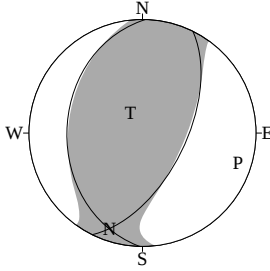


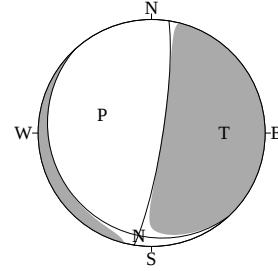
CMT SOLUTIONS FOR EARTHQUAKES IN OCTOBER, 2022

2022/10/02 00:02:32.8
SE OFF OSUMI PEN
Hypo.:31°18.7'N 131°31.3'E 29km



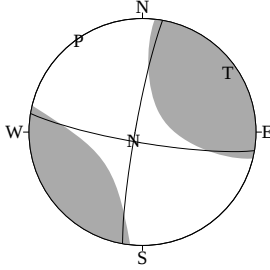
Cent.:31°18.5'N 131°32.7'E 39km $\Delta t = 4.0$
Mo: 6.20×10^{17} N·m Mw:5.8 Mj:5.9 (sec)
mrr: 5.03 mtt: 0.45 mff: -5.48
mrt: 1.73 mrf: 2.24 mtf: -1.66 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 26° 59° 103° P-axis: -6.50 107° 13°
NP2: 181° 34° 69° T-axis: 5.80 330° 73°
N-axis: 0.70 199° 12°
V.R.: 70% ϵ : -0.10 N:17 COMP:44

2022/10/07 01:36:12.0
NW OFF OKINAWAJIMA IS
Hypo.:27°40.3'N 126°54.6'E 153km



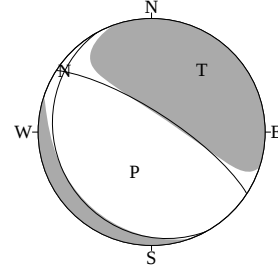
Cent.:27°29.8'N 126°55.4'E 183km $\Delta t = 1.1$
Mo: 1.30×10^{17} N·m Mw:5.3 Mj:5.1 (sec)
mrr: -0.34 mtt: -0.10 mff: 0.44
mrt: -0.21 mrf: -1.22 mtf: -0.15 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 9° 82° -80° P-axis: -1.30 290° 52°
NP2: 138° 13° -140° T-axis: 1.30 90° 36°
N-axis: 0.00 187° 10°
V.R.: 70% ϵ : 0.03 N:24 COMP:54

2022/10/07 05:09:27.5
NEAR MIYAKEJIMA ISLAND
Hypo.:33°35.4'N 139°22.7'E 25km



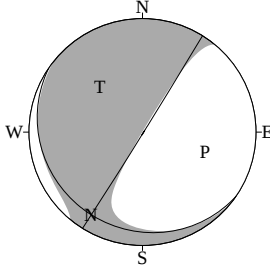
Cent.:33°30.0'N 139°23.3'E 17km $\Delta t = 1.0$
Mo: 9.10×10^{15} N·m Mw:4.6 Mj:4.7 (sec)
mrr: -2.24 mtt: -1.89 mff: 4.13
mrt: 1.04 mrf: -1.76 mtf: -8.41 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 190° 85° 8° P-axis: -7.82 325° 2°
NP2: 99° 82° 175° T-axis: 10.38 55° 9°
N-axis: -2.56 224° 81°
V.R.: 85% ϵ : 0.25 N:14 COMP:29

2022/10/10 09:03: 0.2
SE OFF TOKACHI
Hypo.:42° 8.7'N 144° 5.9'E 42km



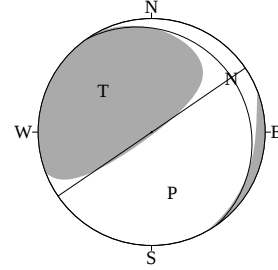
Cent.:42° 8.4'N 144° 6.4'E 29km $\Delta t = 1.0$
Mo: 9.31×10^{15} N·m Mw:4.6 Mj:4.8 (sec)
mrr: -3.91 mtt: 2.04 mff: 1.87
mrt: 6.88 mrf: -4.32 mtf: -3.17 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 151° 16° -63° P-axis: -8.81 203° 59°
NP2: 303° 76° -97° T-axis: 9.81 39° 30°
N-axis: -1.00 305° 7°
V.R.: 76% ϵ : 0.10 N:18 COMP:25

2022/10/10 09:26:16.0
E OFF MIYAGI PREF
Hypo.:38°46.3'N 142°17.1'E 42km



Cent.:38°48.6'N 142°17.7'E 41km $\Delta t = 0.5$
Mo: 1.22×10^{16} N·m Mw:4.7 Mj:4.8 (sec)
mrr: -0.01 mtt: 0.33 mff: -0.32
mrt: 0.59 mrf: 1.01 mtf: 0.07 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 124° 15° 3° P-axis: -1.26 107° 42°
NP2: 32° 89° 105° T-axis: 1.17 317° 44°
N-axis: 0.10 212° 15°
V.R.: 67% ϵ : -0.08 N:30 COMP:47

2022/10/11 04:24:42.1
TAIWAN REGION
Hypo.:23°55.6'N 122°14.5'E 24km

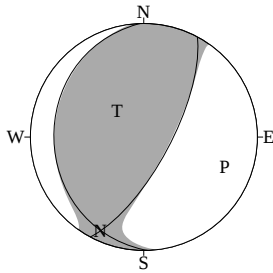


Cent.:23°57.7'N 122°14.1'E 10km $\Delta t = 10.8$
Mo: 5.60×10^{17} N·m Mw:5.8 Mj:5.9 (sec)
mrr: 0.35 mtt: -1.37 mff: 1.02
mrt: 4.27 mrf: 3.32 mtf: 1.08 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 56° 90° 75° P-axis: -5.20 161° 43°
NP2: 325° 16° 180° T-axis: 6.00 311° 43°
N-axis: -0.80 56° 16°
V.R.: 70% ϵ : 0.14 N:8 COMP:16

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

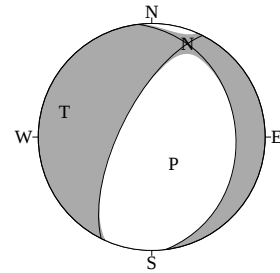
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf:Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG:Moment tensor component, azimuth and plunge of P-, T-, N-axis
V.R.:Variance Reduction, ϵ :Non-double couple component ratio, N:Number of stations, COMP:Number of components

2022/10/19 14:54:59.2
 FAR E OFF SANRIKU
 Hypo.:39°36.6'N 143°32.2'E 12km



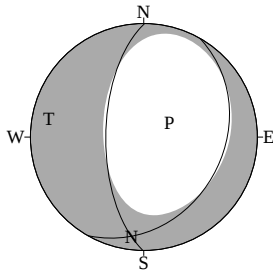
Cent.:39°34.9'N 143°32.0'E 20km $\Delta t = 7.1$
 Mo: 7.28×10^{16} N·m Mw:5.2 Mj:5.3 (sec)
 mrr:-4.22 mtt:0.37 mff:-4.59
 mrt:2.95 mrf:4.80 mtf:-1.35 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:28° 71° 101° P-axis:-7.48 110° 25°
 NP2:178° 22° 62° T-axis:7.07 315° 63°
 N-axis:0.41 205° 10°
 V.R.: 70% ϵ :-0.05 N:39 COMP:82

2022/10/21 15:19:46.3
 E OFF FUKUSHIMA PREF
 Hypo.:37°23.9'N 141°18.3'E 29km



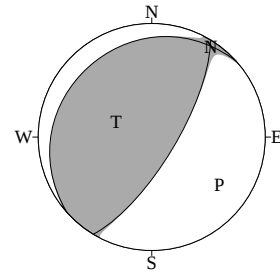
Cent.:37°24.6'N 141°18.9'E 27km $\Delta t = 0.7$
 Mo: 2.48×10^{16} N·m Mw:4.9 Mj:5.0 (sec)
 mrr:-1.75 mtt:-0.07 mff:1.81
 mrt:0.98 mrf:1.39 mtf:0.32 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:353° 27° -120° P-axis:-2.51 141° 65°
 NP2:207° 67° -76° T-axis:2.46 286° 21°
 N-axis:0.06 21° 13°
 V.R.: 67% ϵ :-0.02 N:49 COMP:91

2022/10/24 05:09:8.6
 NEAR TORISHIMA IS
 Hypo.:31°22.0'N 141°49.3'E 45km



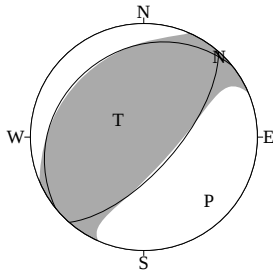
Cent.:31°24.2'N 141°50.3'E 18km $\Delta t = 2.5$
 Mo: 3.10×10^{16} N·m Mw:4.9 Mj:5.2 (sec)
 mrr:-2.65 mtt:0.45 mff:2.21
 mrt:-0.50 mrf:1.75 mtf:0.62 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:30° 31° -64° P-axis:-3.34 61° 69°
 NP2:180° 63° -105° T-axis:2.86 281° 16°
 N-axis:0.48 187° 13°
 V.R.: 84% ϵ :-0.14 N:31 COMP:64

2022/10/24 16:43:54.3
 SE OFF TOKACHI
 Hypo.:41°58.4'N 144°56.3'E 13km



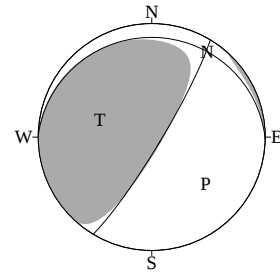
Cent.:41°58.4'N 144°57.1'E 13km $\Delta t = 0.5$
 Mo: 6.74×10^{15} N·m Mw:4.5 Mj:4.7 (sec)
 mrr:3.72 mtt:-1.46 mff:-2.25
 mrt:2.73 mrf:4.85 mtf:-1.99 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:31° 73° 85° P-axis:-6.79 125° 28°
 NP2:228° 18° 106° T-axis:6.70 293° 62°
 N-axis:0.09 33° 5°
 V.R.: 64% ϵ :-0.01 N:18 COMP:31

2022/10/26 16:06:1.2
 SE OFF TOKACHI
 Hypo.:41°59.4'N 144°53.2'E 11km



Cent.:41°53.8'N 144°53.2'E 22km $\Delta t = 6.0$
 Mo: 1.10×10^{17} N·m Mw:5.3 Mj:5.2 (sec)
 mrr:0.71 mtt:-0.36 mff:-0.35
 mrt:0.46 mrf:0.55 mtf:-0.49 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:41° 66° 86° P-axis:-1.10 134° 21°
 NP2:231° 24° 99° T-axis:1.00 304° 68°
 N-axis:0.10 43° 3°
 V.R.: 74% ϵ :-0.11 N:30 COMP:63

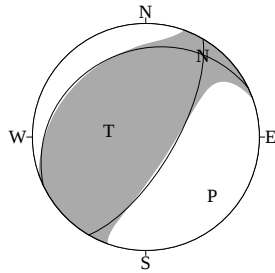
2022/10/27 19:10:53.1
 KURILE ISLANDS REGION
 Hypo.:46° 1.0'N 152°35.1'E 30km



Cent.:46° 3.8'N 152°35.5'E 15km $\Delta t = 4.9$
 Mo: 1.50×10^{17} N·m Mw:5.4 Mj:5.6 (sec)
 mrr:0.38 mtt:-0.40 mff:0.02
 mrt:0.68 mrf:1.25 mtf:-0.22 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:31° 83° 79° P-axis:-1.40 131° 37°
 NP2:271° 13° 149° T-axis:1.50 289° 50°
 N-axis:-0.10 33° 11°
 V.R.: 73% ϵ :0.07 N:15 COMP:35

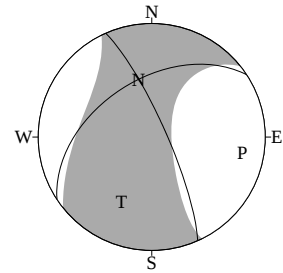
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2022/10/27 22:25: 4.1
SE OFF TOKACHI
Hypo.:42° 0.1'N 144°52.8'E 13km



Cent.:41°56.9'N 144°53.2'E 21km $\Delta t = 4.8$
Mo: 3.33×10^{16} N·m Mw:4.9 Mj:5.1 (sec)
mrr: 1.97 mtt:-0.99 mff:-0.98
mrt: 1.09 mrf: 2.15 mtf:-1.57 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 30° 69° 77° P-axis:-3.54 131° 23°
NP2:244° 25° 121° T-axis: 3.12 279° 63°
N-axis: 0.42 35° 13°
V.R.: 84% ϵ :-0.12 N:15 COMP:36

2022/10/31 17:48:26.6
TAIWAN REGION
Hypo.:22°48.2'N 121°17.3'E 12km



Cent.:22°56.1'N 121°16.2'E 10km $\Delta t = 3.9$
Mo: 3.54×10^{16} N·m Mw:5.0 Mj:5.1 (sec)
mrr: 1.23 mtt: 1.99 mff:-3.21
mrt:-0.40 mrf: 2.05 mtf:-1.22 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:237° 48° 166° P-axis:-4.18 100° 20°
NP2:336° 80° 42° T-axis: 2.89 205° 37°
N-axis: 1.29 347° 47°
V.R.: 72% ϵ :-0.31 N:6 COMP:12

EQUAL AREA PROJECTON, LOWER HEMISPHERE.