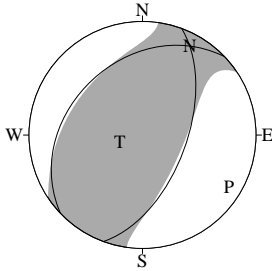


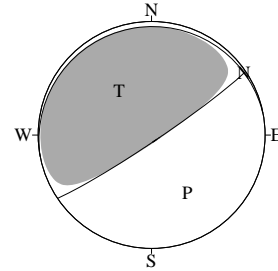
CMT SOLUTIONS FOR EARTHQUAKES IN SEPTEMBER, 2022

2022/09/01 20:21: 9.5
SE OFF OSUMI PEN
Hypo.:31°15.5'N 131°55.2'E 25km



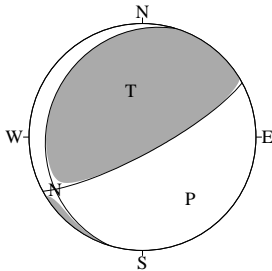
Cent.:31° 0.9'N 131°55.1'E 26km $\Delta t = 2.0$
Mo: 1.81×10^{16} N·m Mw:4.8 Mj:4.6 (sec)
mrr: 1.44 mtt:-0.25 mff:-1.19
mrt: 0.13 mrf: 0.77 mtf:-0.98 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 20° 58° 75° P-axis:-1.96 121° 12°
NP2:226° 35° 112° T-axis: 1.66 254° 73°
N-axis: 0.30 28° 12°
V.R.: 69% ϵ :-0.15 N:23 COMP:40

2022/09/03 08:41:16.9
SE OFF ETOROFU
Hypo.:44° 7.1'N 148°46.6'E 30km



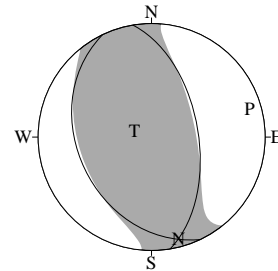
Cent.:44° 7.2'N 148°48.5'E 10km $\Delta t = 0.9$
Mo: 5.48×10^{16} N·m Mw:5.1 Mj:5.2 (sec)
mrr: 1.02 mtt:-0.77 mff:-0.24
mrt: 4.47 mrf: 3.05 mtf:-0.16 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 56° 85° 88° P-axis:-5.35 148° 40°
NP2:259° 5° 113° T-axis: 5.61 324° 50°
N-axis:-0.26 56° 2°
V.R.: 63% ϵ : 0.05 N:14 COMP:24

2022/09/03 08:56:48.6
SE OFF ETOROFU
Hypo.:44° 8.9'N 148°43.6'E 30km



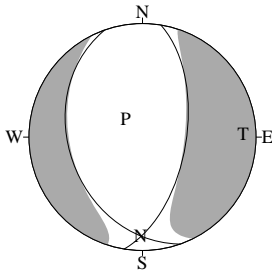
Cent.:44°11.3'N 148°43.0'E 21km $\Delta t = 8.6$
Mo: 5.28×10^{16} N·m Mw:5.1 Mj:5.1 (sec)
mrr: 2.08 mtt:-0.72 mff:-1.37
mrt: 4.29 mrf: 2.07 mtf:-1.36 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 61° 78° 101° P-axis:-5.25 142° 32°
NP2:197° 16° 46° T-axis: 5.32 346° 55°
N-axis:-0.08 239° 11°
V.R.: 76% ϵ : 0.01 N:13 COMP:20

2022/09/04 15:46:17.6
SE OFF MIYAGI PREF
Hypo.:37°50.4'N 141°44.9'E 64km



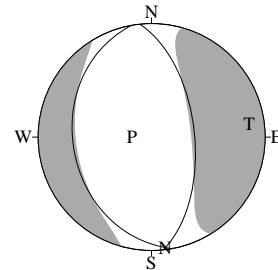
Cent.:37°50.4'N 141°45.4'E 64km $\Delta t = 0.5$
Mo: 8.97×10^{15} N·m Mw:4.6 Mj:4.8 (sec)
mrr: 7.58 mtt: 0.56 mff:-8.14
mrt:-0.01 mrf: 3.36 mtf: 2.92 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:351° 56° 99° P-axis:-9.63 74° 11°
NP2:154° 35° 77° T-axis: 8.32 290° 77°
N-axis: 1.32 165° 8°
V.R.: 75% ϵ :-0.14 N:35 COMP:50

2022/09/04 23:58:24.4
FAR E OFF IZU ISLANDS
Hypo.:32°26.4'N 142°26.3'E 78km



Cent.:32°35.7'N 142°25.5'E 10km $\Delta t = 8.3$
Mo: 7.31×10^{16} N·m Mw:5.2 Mj:5.2 (sec)
mrr:-5.92 mtt:-1.16 mff: 7.08
mrt:-1.27 mrf:-2.95 mtf:-0.62 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 9° 58° -74° P-axis:-6.88 318° 72°
NP2:161° 35° -114° T-axis: 7.73 88° 12°
N-axis:-0.85 181° 14°
V.R.: 88% ϵ : 0.11 N:36 COMP:86

2022/09/05 04:54: 0.9
FAR E OFF IZU ISLANDS
Hypo.:32°23.7'N 142°25.4'E 70km

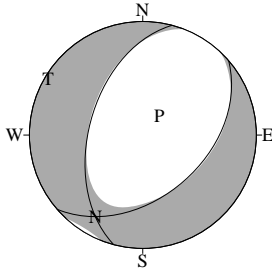


Cent.:32°19.2'N 142°28.6'E 10km $\Delta t = 1.1$
Mo: 5.25×10^{16} N·m Mw:5.1 Mj:5.2 (sec)
mrr:-4.16 mtt:-0.85 mff: 5.02
mrt: 0.19 mrf:-2.43 mtf:-0.83 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:354° 59° -88° P-axis:-4.77 271° 76°
NP2:170° 31° -94° T-axis: 5.73 82° 14°
N-axis:-0.96 173° 2°
V.R.: 81% ϵ : 0.17 N:36 COMP:84

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

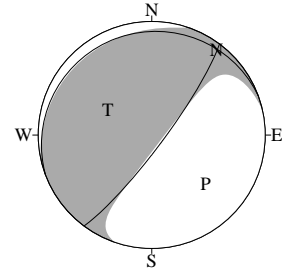
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf:Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG:Moment tensor component, azimuth and plunge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

2022/09/12 06:21:54.2
 TSUGARU PENINSULA REGION
 Hypo.:41°10.3'N 140°13.2'E 168km



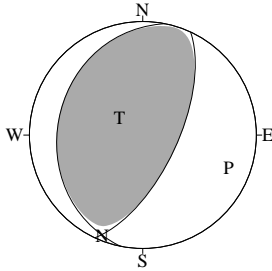
Cent.:41°11.1'N 140°13.5'E 176km $\Delta t = 1.3$
 Mo: 2.07×10^{16} N·m Mw:4.8 Mj:4.9 (sec)
 mrr:-1.91 mtt: 0.51 mff: 1.40
 mrt:-0.46 mrf: 0.53 mtf: 0.93 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 49° 45° -64° P-axis:-2.14 41° 72°
 NP2:195° 51° -114° T-axis: 2.00 301° 3°
 N-axis: 0.14 210° 18°
 V.R.: 82% ϵ :-0.07 N:33 COMP:59

2022/09/12 13:39:19.1
 SE OFF TOKACHI
 Hypo.:42° 3.1'N 144°52.3'E 16km



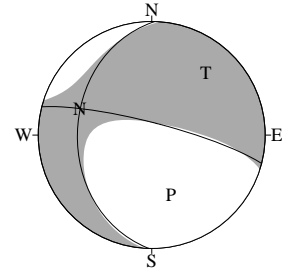
Cent.:42° 0.8'N 144°52.6'E 10km $\Delta t = 0.8$
 Mo: 2.09×10^{16} N·m Mw:4.8 Mj:4.9 (sec)
 mrr: 0.52 mtt:-0.32 mff:-0.19
 mrt: 1.19 mrf: 1.60 mtf:-0.50 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 37° 81° 84° P-axis:-2.19 132° 36°
 NP2:250° 10° 123° T-axis: 1.99 300° 53°
 N-axis: 0.20 37° 6°
 V.R.: 73% ϵ :-0.09 N:18 COMP:30

2022/09/13 09:51:59.2
 E OFF AOMORI PREF
 Hypo.:41°34.5'N 142° 6.2'E 54km



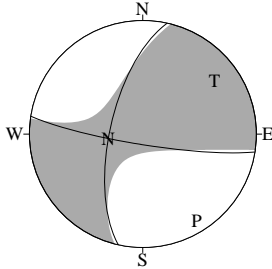
Cent.:41°35.2'N 142° 6.4'E 53km $\Delta t = 2.8$
 Mo: 9.12×10^{16} N·m Mw:5.2 Mj:5.1 (sec)
 mrr: 7.03 mtt:-0.72 mff:-6.31
 mrt: 2.85 mrf: 5.12 mtf:-2.02 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 25° 65° 96° P-axis:-9.04 111° 20°
 NP2:191° 26° 78° T-axis: 9.21 307° 69°
 N-axis:-0.17 202° 5°
 V.R.: 80% ϵ : 0.02 N:36 COMP:71

2022/09/17 22:41:16.8
 TAIWAN REGION
 Hypo.:23° 6.9'N 121°13.8'E 0km



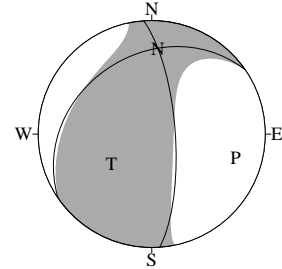
Cent.:22°59.9'N 121°13.7'E 10km $\Delta t = 8.8$
 Mo: 7.96×10^{18} N·m Mw:6.5 Mj:6.6 (sec)
 mrr:-2.07 mtt:-0.54 mff: 2.61
 mrt: 6.49 mrf:-0.34 mtf:-4.00 ($\times 10^{18}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:181° 35° -16° P-axis:-8.41 162° 44°
 NP2:284° 81° -124° T-axis: 7.51 41° 28°
 N-axis: 0.89 290° 33°
 V.R.: 72% ϵ :-0.11 N:8 COMP:20

2022/09/17 23:45:26.5
 TAIWAN REGION
 Hypo.:22°57.3'N 121° 6.4'E 47km



Cent.:23°19.9'N 121° 7.3'E 10km $\Delta t = 6.9$
 Mo: 2.70×10^{17} N·m Mw:5.5 Mj:6.0 (sec)
 mrr: 0.53 mtt:-1.19 mff: 0.66
 mrt: 0.95 mrf:-0.28 mtf:-2.25 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 99° 83° 156° P-axis:-2.80 148° 11°
 NP2:192° 66° 8° T-axis: 2.50 53° 22°
 N-axis: 0.30 263° 65°
 V.R.: 77% ϵ :-0.12 N:7 COMP:12

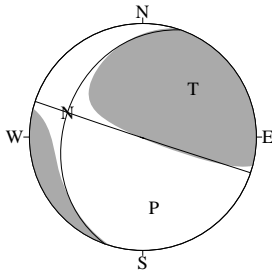
2022/09/18 11:09:46.8
 SOUTHERN IBARAKI PREF
 Hypo.:35°51.9'N 140°38.4'E 51km



Cent.:35°48.9'N 140°39.7'E 51km $\Delta t = 0.6$
 Mo: 1.05×10^{16} N·m Mw:4.6 Mj:4.7 (sec)
 mrr: 0.48 mtt: 0.20 mff:-0.67
 mrt:-0.08 mrf: 0.76 mtf:-0.42 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:356° 73° 64° P-axis:-1.14 106° 24°
 NP2:236° 31° 146° T-axis: 0.95 234° 54°
 N-axis: 0.19 4° 25°
 V.R.: 71% ϵ :-0.17 N:14 COMP:19

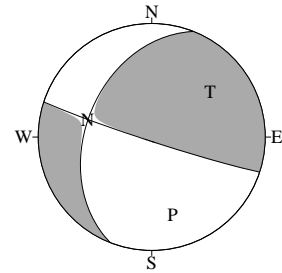
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2022/09/18 14:19:19.5
 TAIWAN REGION
 Hypo.:23°16.8'N 121°25.2'E 0km



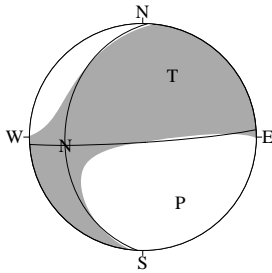
Cent.:23°18.1'N 121°24.6'E 10km $\Delta t = 7.6$
 Mo: 4.10×10^{17} N·m Mw:5.7 Mj:5.8 (sec)
 mrr: 0.12 mtt:-1.14 mff: 1.02
 mrt: 3.24 mrf:-1.40 mtf:-1.80 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:108° 89° 121° P-axis:-3.90 171° 37°
 NP2:199° 31° 1° T-axis: 4.30 46° 38°
 N-axis:-0.40 288° 31°
 V.R.: 68% ϵ : 0.10 N:8 COMP:16

2022/09/18 15:32: 1.6
 TAIWAN REGION
 Hypo.:23° 9.6'N 121°16.7'E 4km



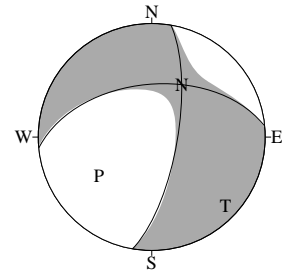
Cent.:23°13.8'N 121°16.4'E 10km $\Delta t = 6.1$
 Mo: 1.00×10^{17} N·m Mw:5.3 Mj:5.2 (sec)
 mrr: 0.08 mtt:-0.47 mff: 0.39
 mrt: 0.72 mrf:-0.28 mtf:-0.53 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:108° 87° 131° P-axis:-1.00 165° 30°
 NP2:201° 41° 5° T-axis: 1.00 52° 35°
 N-axis: 0.00 285° 41°
 V.R.: 82% ϵ : 0.01 N:6 COMP:11

2022/09/18 15:44:13.8
 TAIWAN REGION
 Hypo.:23° 7.2'N 121°19.1'E 3km



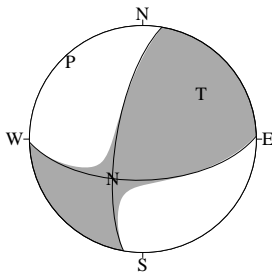
Cent.:22°56.1'N 121°19.0'E 10km $\Delta t = 8.5$
 Mo: 4.47×10^{19} N·m Mw:7.0 Mj:7.3 (sec)
 mrr: 0.46 mtt:-0.49 mff: 0.04
 mrt: 3.73 mrf: 0.48 mtf:-2.42 ($\times 10^{19}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 86° 86° 122° P-axis:-4.76 150° 34°
 NP2:183° 32° 7° T-axis: 4.17 26° 40°
 N-axis: 0.59 264° 32°
 V.R.: 72% ϵ :-0.12 N:10 COMP:21

2022/09/18 17:09:58.1
 NW OFF OKINAWAJIMA IS
 Hypo.:26°20.6'N 125°55.2'E 8km



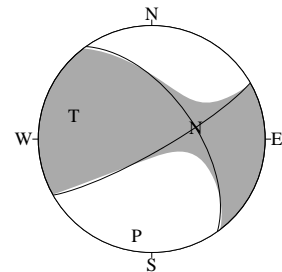
Cent.:25°57.9'N 125°56.4'E 10km $\Delta t = 4.9$
 Mo: 7.80×10^{17} N·m Mw:5.9 Mj:6.0 (sec)
 mrr:-2.91 mtt: 1.99 mff: 0.91
 mrt: 1.54 mrf:-4.59 mtf: 5.61 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 10° 72°-139° P-axis:-8.10 234° 42°
 NP2:264° 52° -24° T-axis: 7.50 133° 12°
 N-axis: 0.60 30° 46°
 V.R.: 80% ϵ :-0.07 N:8 COMP:11

2022/09/19 11:07:42.9
 TAIWAN REGION
 Hypo.:23°25.7'N 121°22.2'E 1km



Cent.:23°27.9'N 121°22.2'E 22km $\Delta t = 4.5$
 Mo: 2.80×10^{17} N·m Mw:5.6 Mj:5.7 (sec)
 mrr: 0.97 mtt:-0.80 mff:-0.16
 mrt: 0.47 mrf:-1.20 mtf:-2.31 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 89° 60° 158° P-axis:-2.90 317° 7°
 NP2:190° 71° 31° T-axis: 2.70 52° 35°
 N-axis: 0.20 217° 54°
 V.R.: 82% ϵ :-0.06 N:8 COMP:16

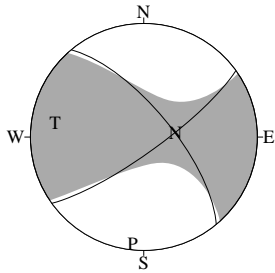
2022/09/22 07:24:43.2
 E OFF BOSO PENINSULA
 Hypo.:35°16.7'N 141°13.0'E 13km



Cent.:35°17.0'N 141°13.0'E 25km $\Delta t = 3.3$
 Mo: 4.74×10^{16} N·m Mw:5.1 Mj:5.3 (sec)
 mrr: 1.10 mtt:-4.28 mff: 3.18
 mrt: 1.82 mrf: 1.38 mtf: 1.63 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 60° 81° 32° P-axis:-5.01 189° 15°
 NP2:325° 59° 169° T-axis: 4.47 287° 29°
 N-axis: 0.54 75° 57°
 V.R.: 74% ϵ :-0.11 N:40 COMP:88

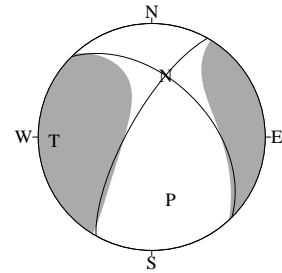
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2022/09/22 07:36:51.7
 E OFF BOSO PENINSULA
 Hypo.:35°16.5'N 141°13.0'E 11km



Cent.:35°12.2'N 141°13.7'E 22km $\Delta t = 0.8$
 Mo: 0.98×10^{16} N·m Mw:4.6 Mj:4.7 (sec)
 mrr: 0.26 mtt:-1.02 mff: 0.76
 mrt: 0.16 mrf: 0.23 mtf: 0.22 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 54° 79° 20° P-axis: -1.06 186° 6°
 NP2: 320° 70° 168° T-axis: 0.89 279° 22°
 N-axis: 0.17 82° 67°
 V.R.: 61% ϵ : -0.16 N:43 COMP:78

2022/09/23 09:53:51.9
 SOUTHERN IBARAKI PREF
 Hypo.:36° 4.5'N 140°12.1'E 83km



Cent.:36° 4.5'N 140°12.9'E 83km $\Delta t = 0.6$
 Mo: 1.17×10^{16} N·m Mw:4.6 Mj:4.7 (sec)
 mrr:-0.51 mtt:-0.65 mff: 1.16
 mrt: 0.35 mrf: 0.51 mtf:-0.18 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 210° 73° -44° P-axis: -1.04 163° 42°
 NP2: 315° 49° -157° T-axis: 1.30 268° 15°
 N-axis: -0.27 13° 44°
 V.R.: 72% ϵ : 0.21 N:42 COMP:71

EQUAL AREA PROJECTON, LOWER HEMISPHERE.