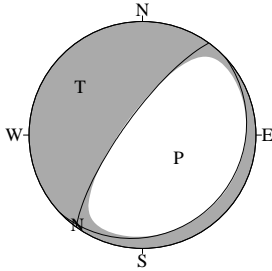


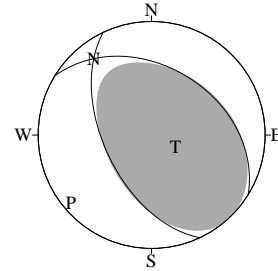
CMT SOLUTIONS FOR EARTHQUAKES IN AUGUST, 2022

2022/08/03 08:47:12.0
E OFF FUKUSHIMA PREF
Hypo.:37°18.9'N 141°11.4'E 33km



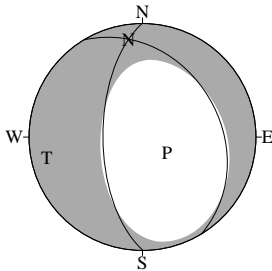
Cent.:37°18.9'N 141°11.9'E 33km $\Delta t = 0.5$
Mo: 6.56×10^{15} N·m Mw:4.5 Mj:4.6 (sec)
mrr:-3.19 mtt: 1.47 mff: 1.72
mrt: 3.32 mrf: 4.77 mtf: 1.27 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 47° 14° -79° P-axis: -6.73 122° 59°
NP2: 216° 76° -93° T-axis: 6.38 308° 31°
N-axis: 0.35 216° 3°
V.R.: 70% ϵ : -0.05 N:19 COMP:25

2022/08/04 09:48:18.6
E OFF FUKUSHIMA PREF
Hypo.:37°36.7'N 141°37.1'E 57km



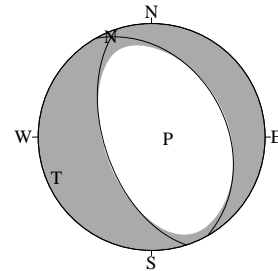
Cent.:37°39.1'N 141°37.2'E 45km $\Delta t = 4.2$
Mo: 1.60×10^{17} N·m Mw:5.4 Mj:5.6 (sec)
mrr: 1.49 mtt:-0.68 mff:-0.81
mrt:-0.11 mrf:-0.67 mtf: 0.75 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 302° 39° 63° P-axis: -1.60 230° 8°
NP2: 155° 55° 110° T-axis: 1.70 115° 71°
N-axis: -0.10 323° 17°
V.R.: 82% ϵ : 0.09 N:40 COMP:92

2022/08/04 12:39:49.0
FAR E OFF IZU ISLANDS
Hypo.:32°42.3'N 142°23.5'E 46km



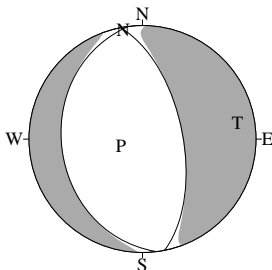
Cent.:32°58.8'N 142°23.6'E 10km $\Delta t = 8.3$
Mo: 5.20×10^{17} N·m Mw:5.7 Mj:5.7 (sec)
mrr:-4.57 mtt: 0.71 mff: 3.85
mrt: 0.95 mrf: 2.78 mtf:-1.13 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 329° 32° -117° P-axis: -5.60 123° 69°
NP2: 180° 61° -74° T-axis: 4.90 258° 15°
N-axis: 0.80 352° 14°
V.R.: 86% ϵ : -0.14 N:36 COMP:95

2022/08/04 23:41:23.9
FAR E OFF IZU ISLANDS
Hypo.:32°49.0'N 142°23.7'E 62km



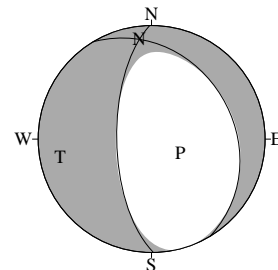
Cent.:33° 0.4'N 142°24.0'E 10km $\Delta t = 5.0$
Mo: 4.64×10^{16} N·m Mw:5.0 Mj:5.1 (sec)
mrr:-4.43 mtt: 0.89 mff: 3.55
mrt:-0.20 mrf: 1.70 mtf:-1.48 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 330° 35° -99° P-axis: -4.78 95° 78°
NP2: 162° 56° -83° T-axis: 4.51 247° 10°
N-axis: 0.27 338° 5°
V.R.: 88% ϵ : -0.06 N:36 COMP:85

2022/08/05 02:35: 0.0
FAR E OFF IZU ISLANDS
Hypo.:32°42.1'N 142°26.0'E 63km



Cent.:32°41.2'N 142°28.2'E 10km $\Delta t = 1.0$
Mo: 5.33×10^{16} N·m Mw:5.1 Mj:5.2 (sec)
mrr:-4.43 mtt:-0.05 mff: 4.49
mrt: 0.62 mrf:-2.74 mtf:-0.76 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 349° 61° -92° P-axis: -5.24 254° 74°
NP2: 173° 29° -87° T-axis: 5.41 80° 16°
N-axis: -0.17 350° 2°
V.R.: 80% ϵ : 0.03 N:35 COMP:87

2022/08/05 20:34:35.9
FAR E OFF IZU ISLANDS
Hypo.:32°47.5'N 142°22.3'E 63km

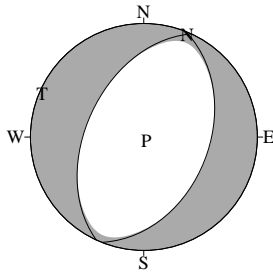


Cent.:32°51.9'N 142°24.1'E 11km $\Delta t = 0.8$
Mo: 3.93×10^{16} N·m Mw:5.0 Mj:5.1 (sec)
mrr:-3.03 mtt: 0.24 mff: 2.79
mrt: 0.43 mrf: 2.46 mtf:-0.86 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 329° 28° -117° P-axis: -4.05 115° 67°
NP2: 179° 65° -76° T-axis: 3.82 259° 19°
N-axis: 0.23 353° 12°
V.R.: 73% ϵ : -0.06 N:36 COMP:81

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

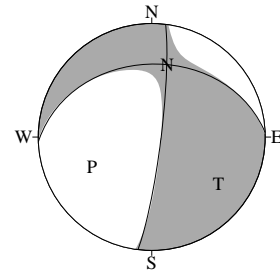
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf:Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG:Moment tensor component, azimuth and plunge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

2022/08/06 21:23:47.2
 E OFF IBARAKI PREF
 Hypo.:36°15.0'N 141° 7.0'E 30km



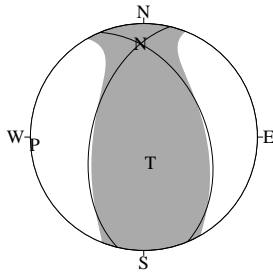
Cent.:36°15.4'N 141° 6.9'E 24km $\Delta t = 5.3$
 Mo: 4.61×10^{16} N·m Mw:5.0 Mj:5.0 (sec)
 mrr:-4.63 mtt: 0.79 mff: 3.85
 mrt: 0.30 mrf: 0.39 mtf: 1.61 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 22° 42° -92° P-axis:-4.66 140° 87°
 NP2:205° 48° -88° T-axis: 4.56 293° 3°
 N-axis: 0.10 23° 2°
 V.R.: 79% ϵ :-0.02 N:40 COMP:89

2022/08/06 23:52:34.6
 SE SHIGA PREF
 Hypo.:34°52.1'N 135°59.5'E 365km



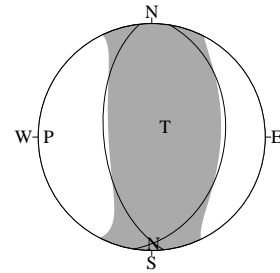
Cent.:34°48.9'N 135°59.4'E 363km $\Delta t = 1.7$
 Mo: 7.61×10^{16} N·m Mw:5.2 Mj:5.1 (sec)
 mrr:-1.43 mtt: 1.27 mff: 0.16
 mrt: 0.05 mrf:-6.12 mtf: 4.33 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 7° 83° -125° P-axis:-7.81 244° 41°
 NP2:268° 36° -11° T-axis: 7.40 125° 29°
 N-axis: 0.41 12° 35°
 V.R.: 88% ϵ :-0.05 N:45 COMP:95

2022/08/11 00:35:20.0
 SOYA REGION
 Hypo.:44°51.2'N 142° 6.8'E 2km



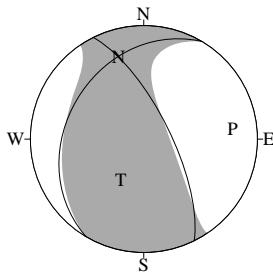
Cent.:44°59.7'N 142° 6.4'E 10km $\Delta t = 1.6$
 Mo: 3.27×10^{16} N·m Mw:4.9 Mj:5.2 (sec)
 mrr: 2.70 mtt: 0.80 mff:-3.50
 mrt:-0.71 mrf:-0.49 mtf: 0.32 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:337° 44° 62° P-axis:-3.55 266° 4°
 NP2:193° 52° 114° T-axis: 2.98 165° 71°
 N-axis: 0.57 358° 19°
 V.R.: 87% ϵ :-0.16 N:12 COMP:28

2022/08/11 00:53: 0.1
 SOYA REGION
 Hypo.:44°50.9'N 142° 6.7'E 5km



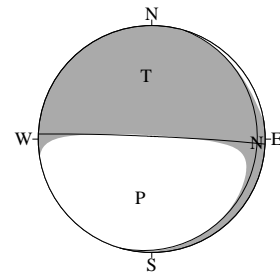
Cent.:44°39.7'N 142° 6.4'E 10km $\Delta t = 6.9$
 Mo: 5.88×10^{16} N·m Mw:5.1 Mj:5.4 (sec)
 mrr: 4.73 mtt: 1.57 mff:-6.30
 mrt: 0.45 mrf:-1.97 mtf:-0.11 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 9° 36° 103° P-axis:-6.64 270° 10°
 NP2:174° 55° 81° T-axis: 5.13 53° 78°
 N-axis: 1.51 179° 7°
 V.R.: 85% ϵ :-0.23 N:11 COMP:27

2022/08/11 02:14:57.0
 SOYA REGION
 Hypo.:44°52.0'N 142° 7.2'E 6km



Cent.:44°52.0'N 142° 6.9'E 10km $\Delta t = 0.5$
 Mo: 8.01×10^{15} N·m Mw:4.5 Mj:4.6 (sec)
 mrr: 4.04 mtt: 2.75 mff:-6.80
 mrt:-2.73 mrf: 4.82 mtf: 0.24 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:334° 71° 64° P-axis:-8.76 83° 22°
 NP2:210° 32° 142° T-axis: 7.26 209° 56°
 N-axis: 1.50 343° 25°
 V.R.: 70% ϵ :-0.17 N:11 COMP:15

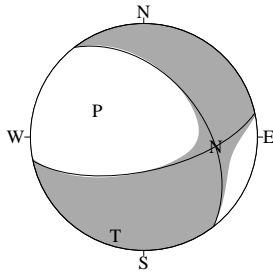
2022/08/12 21:11: 0.9
 NEAR CHOSHI CITY
 Hypo.:35°33.7'N 140°55.0'E 36km



Cent.:35°33.7'N 140°54.9'E 36km $\Delta t = 0.6$
 Mo: 1.16×10^{16} N·m Mw:4.6 Mj:4.6 (sec)
 mrr:-0.11 mtt: 0.06 mff: 0.05
 mrt: 1.15 mrf:-0.07 mtf: 0.16 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 16° 8° -166° P-axis:-1.20 191° 46°
 NP2:273° 88° -82° T-axis: 1.13 355° 43°
 N-axis: 0.07 92° 8°
 V.R.: 61% ϵ :-0.06 N:39 COMP:60

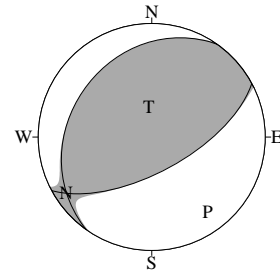
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2022/08/14 04:25:59.9
SOUTHERN SEA OF OKHOTSK
Hypo.:46°35.0'N 144°48.0'E 414km



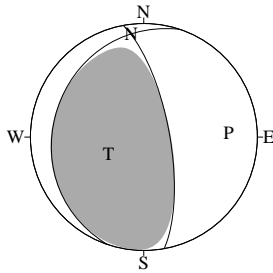
Cent.:46°40.8'N 144°47.8'E 415km $\Delta t=0.2$
Mo: 1.30×10^{17} N·m Mw:5.3 Mj:5.5 (sec)
mrr:-0.72 mtt: 0.95 mff:-0.23
mrt:-0.55 mrf:-0.53 mtf:-0.52 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 78° 65° -131° P-axis:-1.30 300° 51°
NP2:322° 47° -35° T-axis: 1.20 196° 11°
N-axis: 0.10 98° 36°
V.R.: 89% ϵ :-0.08 N:14 COMP:29

2022/08/16 19:39:56.0
SE OFF ETOROFU
Hypo.:44°22.1'N 149°21.3'E 30km



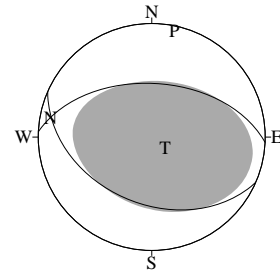
Cent.:44° 9.3'N 149°21.1'E 24km $\Delta t=11.1$
Mo: 7.26×10^{16} N·m Mw:5.2 Mj:5.3 (sec)
mrr: 5.42 mtt:-3.12 mff:-2.31
mrt: 4.26 mrf: 1.59 mtf:-3.13 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 62° 65° 102° P-axis:-7.32 143° 19°
NP2:215° 28° 66° T-axis: 7.19 355° 68°
N-axis: 0.13 237° 11°
V.R.: 82% ϵ :-0.02 N:9 COMP:13

2022/08/17 13:24:46.6
E OFF HACHIJOJIMA ISLAND
Hypo.:33°14.7'N 141°54.5'E 39km



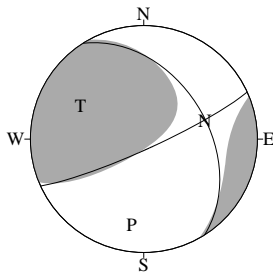
Cent.:33°32.4'N 141°54.0'E 10km $\Delta t=9.2$
Mo: 3.80×10^{17} N·m Mw:5.7 Mj:5.7 (sec)
mrr: 2.36 mtt:-0.03 mff:-2.33
mrt:-0.79 mrf: 2.92 mtf:-0.21 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:350° 71° 80° P-axis:-3.70 87° 26°
NP2:198° 21° 117° T-axis: 3.90 245° 62°
N-axis:-0.20 353° 9°
V.R.: 85% ϵ : 0.05 N:36 COMP:94

2022/08/18 14:46:10.4
E OFF FUKUSHIMA PREF
Hypo.:37°36.1'N 141°35.1'E 56km



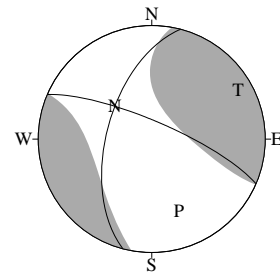
Cent.:37°44.4'N 141°35.1'E 47km $\Delta t=3.8$
Mo: 5.37×10^{16} N·m Mw:5.1 Mj:5.2 (sec)
mrr: 5.49 mtt:-4.65 mff:-0.84
mrt:-1.15 mrf:-0.95 mtf: 0.98 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:113° 41° 106° P-axis:-4.96 12° 5°
NP2:273° 51° 77° T-axis: 5.79 128° 78°
N-axis:-0.82 281° 10°
V.R.: 83% ϵ : 0.14 N:45 COMP:90

2022/08/20 13:07:49.8
TAIWAN REGION
Hypo.:24° 1.9'N 122°17.9'E 31km



Cent.:24° 3.4'N 122°17.4'E 28km $\Delta t=0.3$
Mo: 1.64×10^{16} N·m Mw:4.7 Mj:5.0 (sec)
mrr: 0.26 mtt:-0.98 mff: 0.72
mrt: 0.94 mrf: 0.81 mtf: 0.68 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 66° 82° 47° P-axis:-1.51 188° 25°
NP2:328° 44° 169° T-axis: 1.78 298° 37°
N-axis:-0.27 73° 43°
V.R.: 71% ϵ : 0.15 N:4 COMP:6

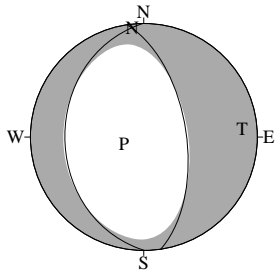
2022/08/22 11:53: 4.2
NW OFF ISHIGAKIJIMA IS
Hypo.:25°10.9'N 123°30.4'E 151km



Cent.:25°12.3'N 123°31.1'E 166km $\Delta t=-0.8$
Mo: 9.19×10^{16} N·m Mw:5.2 Mj:5.4 (sec)
mrr:-3.75 mtt:-2.65 mff: 6.40
mrt: 3.41 mrf:-1.92 mtf:-6.75 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:293° 77° -146° P-axis:-7.62 159° 33°
NP2:195° 57° -15° T-axis:10.77 60° 13°
N-axis:-3.15 312° 54°
V.R.: 63% ϵ : 0.29 N:7 COMP:14

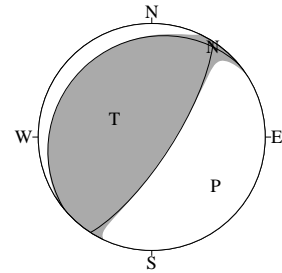
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2022/08/28 09:54:53.5
 FAR E OFF IZU ISLANDS
 Hypo.: 32°33.6'N 142°25.9'E 51km



Cent.: 32°47.8'N 142°25.5'E 10km $\Delta t = 9.1$
 Mo: 1.10×10^{17} N·m Mw: 5.3 Mj: 5.2 (sec)
 mrr: -0.97 mtt: 0.08 mff: 0.88
 mrt: 0.12 mrf: -0.49 mtf: -0.06 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 352° 59° -94° P-axis: -1.10 251° 75°
 NP2: 179° 31° -83° T-axis: 1.00 85° 14°
 N-axis: 0.10 354° 3°
 V.R.: 89% ϵ : -0.08 N: 37 COMP: 91

2022/08/29 21:19:37.9
 NEAR AMAMI-OSHIMA ISLAND
 Hypo.: 28°55.1'N 130°37.4'E 68km



Cent.: 28°26.6'N 130°40.9'E 15km $\Delta t = -1.1$
 Mo: 2.80×10^{17} N·m Mw: 5.6 Mj: 5.4 (sec)
 mrr: 1.34 mtt: -0.56 mff: -0.78
 mrt: 1.26 mrf: 2.05 mtf: -0.78 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 33° 75° 85° P-axis: -2.80 127° 30°
 NP2: 230° 16° 107° T-axis: 2.70 296° 60°
 N-axis: 0.10 34° 4°
 V.R.: 78% ϵ : -0.03 N: 29 COMP: 65

EQUAL AREA PROJECTON, LOWER HEMISPHERE.