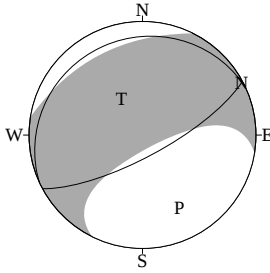


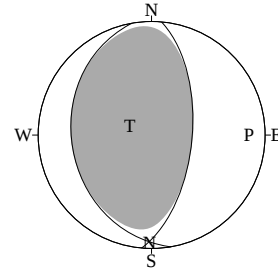
CMT SOLUTIONS FOR EARTHQUAKES IN JUNE, 2023

2023/06/03 19:35:40.4
S OFF URAKAWA
Hypo.:42° 0.3'N 142°34.2'E 65km



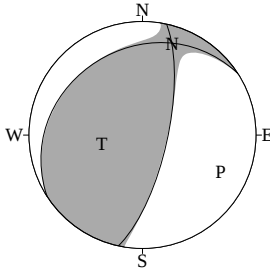
Cent.:41°58.8'N 142°34.4'E 53km $\Delta t = 2.6$
Mo: 4.38×10^{16} N·m Mw:5.0 Mj:5.1 (sec)
mrr: 1.42 mtt:-2.10 mff: 0.68
mrt: 3.32 mrf: 1.76 mtf:-1.95 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 62° 74° 89° P-axis:-5.22 153° 29°
NP2:245° 16° 93° T-axis: 3.54 330° 60°
N-axis: 1.68 62° 1°
V.R.: 75% ϵ :-0.32 N:31 COMP:66

2023/06/04 10:58:32.6
NORTHERN CHIBA PREF
Hypo.:35°48.7'N 140° 4.1'E 70km



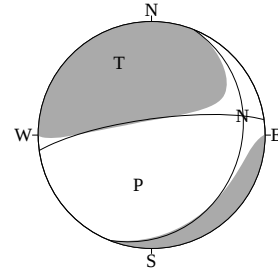
Cent.:35°53.3'N 140° 4.5'E 82km $\Delta t = 3.2$
Mo: 2.07×10^{16} N·m Mw:4.8 Mj:4.6 (sec)
mrr: 1.79 mtt:-0.06 mff:-1.74
mrt: 0.24 mrf: 1.05 mtf: 0.08 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 5° 61° 97° P-axis:-2.03 90° 15°
NP2:170° 30° 77° T-axis: 2.11 293° 73°
N-axis:-0.09 181° 6°
V.R.: 80% ϵ : 0.04 N:39 COMP:65

2023/06/09 06:20:56.8
SATSUMA PENINSULA REGION
Hypo.:31°12.5'N 130°16.5'E 181km



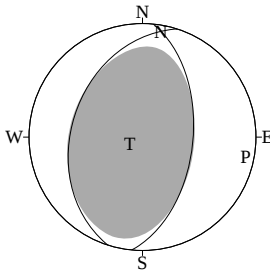
Cent.:31°10.0'N 130°16.6'E 181km $\Delta t = 1.0$
Mo: 2.54×10^{16} N·m Mw:4.9 Mj:4.7 (sec)
mrr: 1.39 mtt:-0.29 mff:-1.11
mrt: 0.23 mrf: 1.96 mtf:-0.98 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 12° 72° 73° P-axis:-2.59 115° 25°
NP2:237° 25° 132° T-axis: 2.49 258° 60°
N-axis: 0.09 18° 16°
V.R.: 90% ϵ :-0.04 N:22 COMP:36

2023/06/11 18:54:44.6
ISHIKARI DEPRESSION
Hypo.:42°33.5'N 141°54.9'E 136km



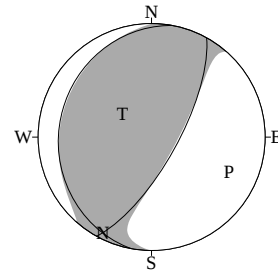
Cent.:42°32.1'N 141°55.2'E 129km $\Delta t = 6.9$
Mo: 2.39×10^{18} N·m Mw:6.2 Mj:6.2 (sec)
mrr:-0.79 mtt: 0.78 mff: 0.01
mrt: 2.06 mrf: 0.25 mtf: 0.93 ($\times 10^{18}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 22° 22°-148° P-axis:-2.25 195° 53°
NP2:262° 79° -71° T-axis: 2.53 336° 31°
N-axis:-0.27 78° 19°
V.R.: 77% ϵ : 0.11 N:29 COMP:69

2023/06/16 21:24: 9.6
NEAR CHOSHI CITY
Hypo.:35°42.3'N 140°42.7'E 49km



Cent.:35°42.0'N 140°42.4'E 48km $\Delta t = 7.5$
Mo: 3.74×10^{16} N·m Mw:5.0 Mj:4.9 (sec)
mrr: 3.70 mtt:-0.39 mff:-3.31
mrt:-0.23 mrf: 1.09 mtf:-0.64 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 5° 53° 83° P-axis:-3.59 101° 8°
NP2:198° 37° 100° T-axis: 3.89 244° 80°
N-axis:-0.30 10° 6°
V.R.: 82% ϵ : 0.08 N:38 COMP:73

2023/06/17 09:26:16.5
E OFF AOMORI PREF
Hypo.:41° 8.0'N 142°50.6'E 30km

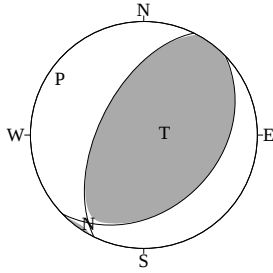


Cent.:41° 5.2'N 142°50.5'E 39km $\Delta t = 3.0$
Mo: 3.20×10^{17} N·m Mw:5.6 Mj:5.7 (sec)
mrr: 1.76 mtt:-0.01 mff:-1.75
mrt: 1.28 mrf: 2.16 mtf:-0.77 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 29° 72° 96° P-axis:-3.30 114° 26°
NP2:190° 19° 72° T-axis: 3.00 309° 63°
N-axis: 0.20 207° 6°
V.R.: 73% ϵ :-0.07 N:34 COMP:75

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

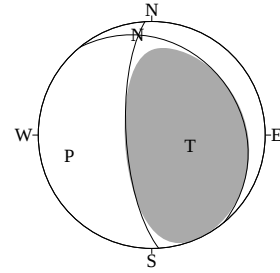
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf:Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG:Moment tensor component, azimuth and plunge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

2023/06/17 19:15:21.7
FAR FIELD
Hypo.:19°37.9'N 121° 8.4'E 0km



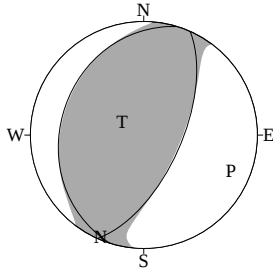
Cent.:19°16.3'N 121° 3.6'E 37km $\Delta t = 1.6$
Mo: 2.50×10^{17} N·m Mw:5.5 Mj:5.0 (sec)
mrr: 2.27 mtt:-0.78 mff:-1.50
mrt:-0.22 mrf:-1.06 mtf:-1.13 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 46° 34° 107° P-axis:-2.50 304° 12°
NP2:206° 57° 79° T-axis: 2.60 85° 75°
N-axis: 0.00 212° 9°
V.R.: 84% ϵ : 0.01 N:7 COMP:16

2023/06/17 20:35:59.7
SOUTHERN SEA OF OKHOTSK
Hypo.:47°11.7'N 147°50.8'E 457km



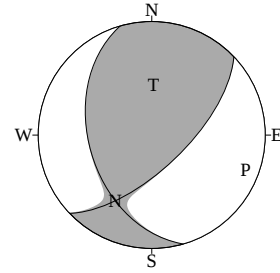
Cent.:47°41.9'N 147°46.2'E 448km $\Delta t = 0.9$
Mo: 3.80×10^{17} N·m Mw:5.7 Mj:5.8 (sec)
mrr: 2.38 mtt:-0.39 mff:-1.99
mrt:-0.18 mrf:-3.02 mtf: 0.88 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:321° 22° 56° P-axis:-3.70 256° 26°
NP2:176° 72° 103° T-axis: 4.00 106° 61°
N-axis:-0.30 352° 12°
V.R.: 67% ϵ : 0.08 N:17 COMP:30

2023/06/17 20:42:39.7
E OFF AOMORI PREF
Hypo.:41°23.1'N 142°41.3'E 35km



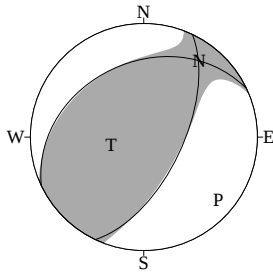
Cent.:41°22.8'N 142°41.4'E 48km $\Delta t = 3.6$
Mo: 2.83×10^{16} N·m Mw:4.9 Mj:5.0 (sec)
mrr: 2.19 mtt:-0.13 mff:-2.06
mrt: 0.73 mrf: 1.49 mtf:-0.86 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 24° 63° 93° P-axis:-2.92 112° 18°
NP2:197° 27° 84° T-axis: 2.74 301° 72°
N-axis: 0.19 203° 3°
V.R.: 74% ϵ :-0.06 N:11 COMP:18

2023/06/19 01:58:43.8
SE OFF OSUMI PEN
Hypo.:31°14.3'N 131°37.2'E 28km



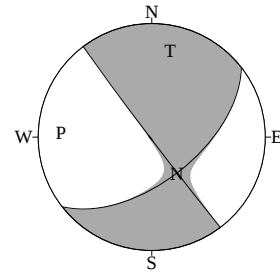
Cent.:31°16.0'N 131°37.8'E 30km $\Delta t = 0.5$
Mo: 2.15×10^{16} N·m Mw:4.8 Mj:4.7 (sec)
mrr: 1.25 mtt: 0.56 mff:-1.81
mrt: 1.17 mrf: 0.42 mtf:-0.70 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 46° 66° 128° P-axis:-2.17 110° 13°
NP2:164° 44° 36° T-axis: 2.13 2° 53°
N-axis: 0.04 209° 34°
V.R.: 60% ϵ :-0.02 N:29 COMP:42

2023/06/19 13:50:46.0
HIDAKA MOUNTAINS REGION
Hypo.:42°29.4'N 143° 1.2'E 59km



Cent.:42°23.4'N 143° 1.2'E 60km $\Delta t = 1.2$
Mo: 4.44×10^{16} N·m Mw:5.0 Mj:5.0 (sec)
mrr: 3.32 mtt:-1.58 mff:-1.74
mrt: 0.45 mrf: 2.33 mtf:-2.43 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 25° 62° 69° P-axis:-4.61 130° 15°
NP2:245° 34° 124° T-axis: 4.27 257° 66°
N-axis: 0.34 36° 18°
V.R.: 76% ϵ :-0.07 N:26 COMP:45

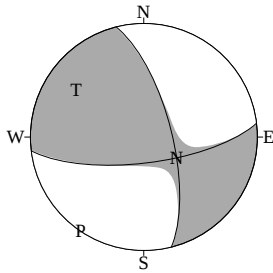
2023/06/21 08:33:47.3
SE OFF KII PENINSULA
Hypo.:33°43.6'N 136° 8.4'E 413km



Cent.:33°48.4'N 136° 8.5'E 415km $\Delta t = 1.0$
Mo: 4.31×10^{16} N·m Mw:5.0 Mj:5.1 (sec)
mrr: 0.16 mtt: 3.47 mff:-3.63
mrt: 1.36 mrf:-1.81 mtf:-0.92 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 52° 58° 179° P-axis:-4.37 273° 21°
NP2:143° 89° 32° T-axis: 4.25 12° 23°
N-axis: 0.12 145° 58°
V.R.: 85% ϵ :-0.03 N:39 COMP:64

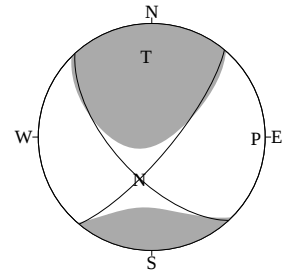
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2023/06/22 10:24:18.5
NEAR OKINAWAJIMA ISLAND
Hypo.:26°24.7'N 127°54.5'E 39km



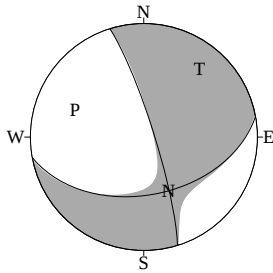
Cent.:26°12.4'N 127°55.3'E 37km $\Delta t = 1.8$
Mo: 3.66×10^{16} N·m Mw:5.0 Mj:5.2 (sec)
mrr: 0.91 mtt: -1.63 mff: 0.72
mrt: 0.87 mrf: 1.13 mtf: 3.06×10^{16} N·m
STR DIP SLIP MOM AZM PLG
NP1: 83° 71° 21° P-axis: -3.74 214° 1°
NP2: 346° 70° 160° T-axis: 3.59 305° 28°
N-axis: 0.15 122° 62°
V.R.: 71% ϵ : -0.04 N:15 COMP:28

2023/06/22 19:30:39.0
ISHIKARI DEPRESSION
Hypo.:43° 4.9'N 141°57.6'E 157km



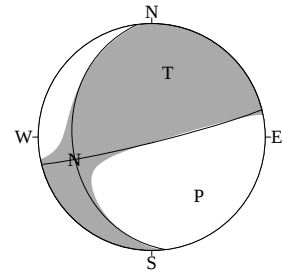
Cent.:43° 4.9'N 141°57.3'E 157km $\Delta t = 0.6$
Mo: 1.16×10^{16} N·m Mw:4.6 Mj:4.6 (sec)
mrr: 0.14 mtt: 0.89 mff: -1.03
mrt: 0.63 mrf: 0.18 mtf: 0.07×10^{16} N·m
STR DIP SLIP MOM AZM PLG
NP1: 40° 76° 151° P-axis: -1.06 91° 9°
NP2: 137° 62° 16° T-axis: 1.26 356° 30°
N-axis: -0.20 196° 58°
V.R.: 83% ϵ : 0.16 N:21 COMP:32

2023/06/24 02:39:13.3
NE OFF HOKKAIDO
Hypo.:45°42.2'N 143°11.0'E 338km



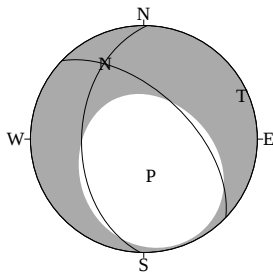
Cent.:45°34.4'N 143°13.5'E 353km $\Delta t = 3.6$
Mo: 2.90×10^{17} N·m Mw:5.6 Mj:5.8 (sec)
mrr: -0.47 mtt: 1.26 mff: -0.79
mrt: 0.19 mrf: -1.96 mtf: -1.84×10^{17} N·m
STR DIP SLIP MOM AZM PLG
NP1: 80° 47° -170° P-axis: -3.00 292° 35°
NP2: 343° 82° -43° T-axis: 2.80 39° 23°
N-axis: 0.20 155° 47°
V.R.: 77% ϵ : -0.06 N:18 COMP:45

2023/06/24 09:58:31.1
E OFF FUKUSHIMA PREF
Hypo.:37°17.1'N 141°48.6'E 40km



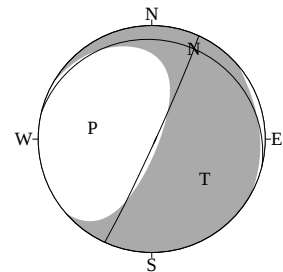
Cent.:37°14.0'N 141°49.3'E 40km $\Delta t = 0.8$
Mo: 1.63×10^{16} N·m Mw:4.7 Mj:5.0 (sec)
mrr: 0.18 mtt: 0.15 mff: -0.33
mrt: 1.35 mrf: 0.36 mtf: -0.81×10^{16} N·m
STR DIP SLIP MOM AZM PLG
NP1: 76° 86° 120° P-axis: -1.70 141° 34°
NP2: 173° 31° 8° T-axis: 1.57 14° 41°
N-axis: 0.12 254° 30°
V.R.: 69% ϵ : -0.07 N:13 COMP:24

2023/06/25 10:17:24.0
NEAR TORISHIMA IS
Hypo.:29°54.9'N 140°18.3'E 30km



Cent.:30° 4.6'N 140°17.6'E 10km $\Delta t = 2.7$
Mo: 0.87×10^{17} N·m Mw:5.2 Mj:5.4 (sec)
mrr: -0.75 mtt: 0.12 mff: 0.63
mrt: 0.55 mrf: 0.06 mtf: -0.20×10^{17} N·m
STR DIP SLIP MOM AZM PLG
NP1: 314° 56° -122° P-axis: -1.02 169° 63°
NP2: 182° 45° -52° T-axis: 0.71 66° 6°
N-axis: 0.31 333° 26°
V.R.: 82% ϵ : -0.31 N:32 COMP:66

2023/06/28 08:38:18.2
NEAR VLADIVOSTOK
Hypo.:42° 9.4'N 134°28.0'E 518km



Cent.:42° 2.8'N 134°28.4'E 489km $\Delta t = 6.7$
Mo: 8.40×10^{17} N·m Mw:5.9 Mj:6.3 (sec)
mrr: -1.59 mtt: 2.95 mff: -1.36
mrt: -2.70 mrf: -7.78 mtf: 0.44×10^{17} N·m
STR DIP SLIP MOM AZM PLG
NP1: 24° 87° -103° P-axis: -9.50 281° 46°
NP2: 284° 14° -11° T-axis: 7.40 127° 41°
N-axis: 2.00 25° 13°
V.R.: 88% ϵ : -0.22 N:29 COMP:56

EQUAL AREA PROJECTON, LOWER HEMISPHERE.