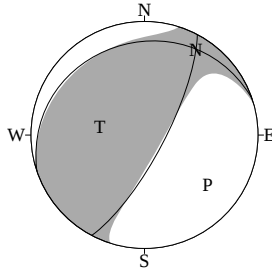


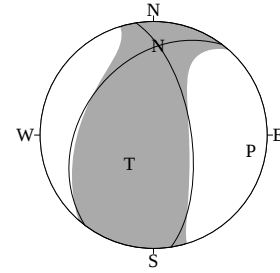
CMT SOLUTIONS FOR EARTHQUAKES IN NOVEMBER, 2022

2022/11/02 08:45:56.7
SE OFF TOKACHI
Hypo.:42° 0.7'N 144°50.2'E 15km



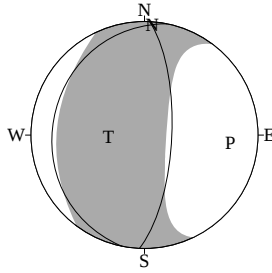
Cent.:41°53.1'N 144°50.9'E 14km $\Delta t = 0.9$
Mo: 1.43×10^{16} N·m Mw:4.7 Mj:5.0 (sec)
mrr: 0.59 mtt:-0.32 mff:-0.28
mrt: 0.54 mrf: 1.09 mtf:-0.55 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 28° 76° 77° P-axis:-1.51 128° 30°
NP2:251° 19° 132° T-axis: 1.35 281° 57°
N-axis: 0.16 31° 13°
V.R.: 73% ϵ :-0.10 N:15 COMP:27

2022/11/03 19:04:32.4
CENTRAL CHIBA PREF
Hypo.:35°39.6'N 140°11.3'E 68km



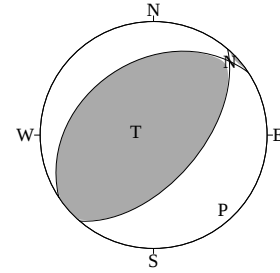
Cent.:35°38.4'N 140°11.2'E 60km $\Delta t = 6.2$
Mo: 3.25×10^{16} N·m Mw:4.9 Mj:4.9 (sec)
mrr: 2.21 mtt: 0.82 mff:-3.03
mrt:-0.55 mrf: 1.59 mtf:-0.86 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:351° 63° 65° P-axis:-3.58 99° 14°
NP2:217° 36° 130° T-axis: 2.94 220° 63°
N-axis: 0.64 3° 22°
V.R.: 81% ϵ :-0.18 N:44 COMP:96

2022/11/03 20:16:56.5
CENTRAL CHIBA PREF
Hypo.:35°39.8'N 140°11.7'E 71km



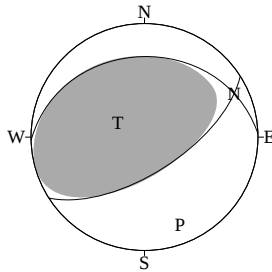
Cent.:35°39.9'N 140°13.0'E 71km $\Delta t = 0.5$
Mo: 6.74×10^{15} N·m Mw:4.5 Mj:4.5 (sec)
mrr: 3.31 mtt: 1.85 mff:-5.15
mrt: 0.26 mrf: 5.21 mtf:-0.70 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 3° 70° 87° P-axis:-7.69 95° 25°
NP2:191° 20° 98° T-axis: 5.79 268° 64°
N-axis: 1.90 4° 3°
V.R.: 67% ϵ :-0.25 N:15 COMP:21

2022/11/06 13:23:32.0
E OFF HOKKAIDO
Hypo.:43°14.8'N 146°51.9'E 52km



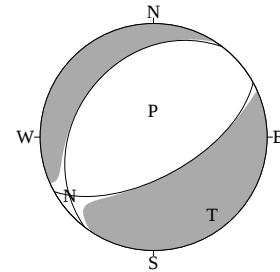
Cent.:43° 1.0'N 146°51.1'E 39km $\Delta t = 6.0$
Mo: 9.91×10^{16} N·m Mw:5.3 Mj:5.4 (sec)
mrr: 9.09 mtt:-5.13 mff:-3.96
mrt: 1.77 mrf: 3.38 mtf:-4.62 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 41° 56° 81° P-axis:-9.88 137° 11°
NP2:236° 35° 103° T-axis: 9.94 282° 77°
N-axis:-0.06 46° 7°
V.R.: 75% ϵ : 0.01 N:22 COMP:43

2022/11/09 17:40:12.5
SW IBARAKI PREF
Hypo.:36°11.1'N 140° 1.6'E 51km



Cent.:36°11.9'N 140° 1.8'E 52km $\Delta t = 0.7$
Mo: 2.11×10^{16} N·m Mw:4.8 Mj:4.9 (sec)
mrr: 1.68 mtt:-1.55 mff:-0.13
mrt: 0.91 mrf: 0.92 mtf:-0.44 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 58° 64° 75° P-axis:-2.04 158° 18°
NP2:268° 30° 117° T-axis: 2.19 299° 68°
N-axis:-0.15 64° 13°
V.R.: 69% ϵ : 0.07 N:34 COMP:73

2022/11/12 02:32:24.7
FAR S OFF OKINAWAJIMA
Hypo.:25° 4.4'N 128°52.1'E 57km

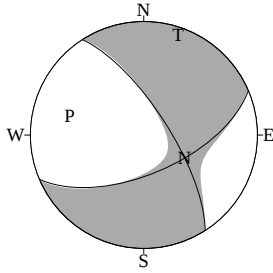


Cent.:24°51.0'N 128°51.9'E 16km $\Delta t = 2.4$
Mo: 1.30×10^{17} N·m Mw:5.3 Mj:5.2 (sec)
mrr:-1.05 mtt: 0.62 mff: 0.42
mrt:-0.65 mrf:-0.22 mtf: 0.61 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 61° 61° -78° P-axis:-1.30 359° 71°
NP2:217° 31° -111° T-axis: 1.30 143° 15°
N-axis: 0.00 235° 11°
V.R.: 73% ϵ : 0.04 N:15 COMP:33

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

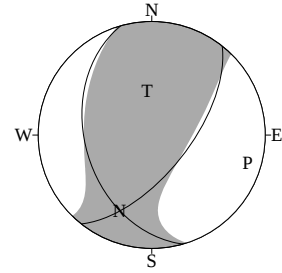
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf:Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG:Moment tensor component, azimuth and plunge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

2022/11/14 17:08:25.4
SE OFF KII PENINSULA
Hypo.:33°50.4'N 137°25.4'E 362km



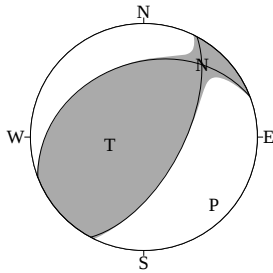
Cent.:33°44.4'N 137°24.8'E 355km $\Delta t = 3.0$
Mo: $1.74 \times 10^{18} \text{N}\cdot\text{m}$ Mw:6.1 Mj:6.4 (sec)
mrr:-0.44 mtt: 1.41 mff:-0.97
mrt:-0.04 mrf:-0.90 mtf:-0.80 ($\times 10^{18} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 67° 62° -160° P-axis:-1.79 285° 33°
NP2:327° 72° -30° T-axis: 1.68 19° 7°
N-axis: 0.11 119° 56°
V.R.: 74% ϵ :-0.06 N:33 COMP:84

2022/11/17 09:28:20.2
E OFF AOMORI PREF
Hypo.:40°43.8'N 142°25.2'E 64km



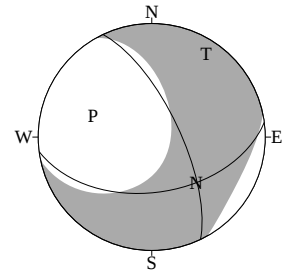
Cent.:40°45.4'N 142°25.5'E 65km $\Delta t = 1.6$
Mo: $2.95 \times 10^{16} \text{N}\cdot\text{m}$ Mw:4.9 Mj:5.0 (sec)
mrr: 1.90 mtt: 0.90 mff:-2.80
mrt: 1.11 mrf: 0.89 mtf:-0.92 ($\times 10^{16} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 38° 63° 122° P-axis:-3.27 106° 13°
NP2:164° 41° 43° T-axis: 2.63 354° 58°
N-axis: 0.63 203° 28°
V.R.: 74% ϵ :-0.19 N:27 COMP:49

2022/11/20 18:17:25.3
OFF NEMURO PENINSULA
Hypo.:42°55.0'N 144°43.1'E 57km



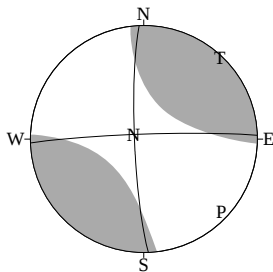
Cent.:42°52.2'N 144°43.3'E 56km $\Delta t = 0.6$
Mo: $1.57 \times 10^{16} \text{N}\cdot\text{m}$ Mw:4.7 Mj:4.8 (sec)
mrr: 1.19 mtt:-0.68 mff:-0.50
mrt: 0.16 mrf: 0.84 mtf:-0.82 ($\times 10^{16} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 28° 62° 68° P-axis:-1.60 134° 15°
NP2:249° 35° 125° T-axis: 1.55 258° 65°
N-axis: 0.05 39° 19°
V.R.: 81% ϵ :-0.03 N:20 COMP:31

2022/11/21 13:25:36.0
NEAR TORISHIMA IS
Hypo.:29°12.6'N 139°45.5'E 425km



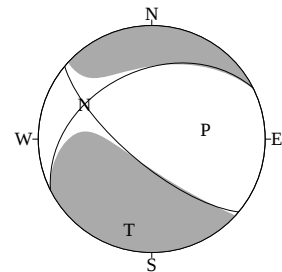
Cent.:29° 8.2'N 139°41.5'E 415km $\Delta t = 1.3$
Mo: $0.92 \times 10^{17} \text{N}\cdot\text{m}$ Mw:5.2 Mj:5.7 (sec)
mrr:-0.34 mtt: 0.52 mff:-0.19
mrt:-0.18 mrf:-0.72 mtf:-0.41 ($\times 10^{17} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 83° 49° -154° P-axis:-1.09 290° 44°
NP2:335° 70° -44° T-axis: 0.75 33° 13°
N-axis: 0.35 136° 43°
V.R.: 82% ϵ :-0.32 N:20 COMP:42

2022/11/24 01:26:55.1
NW OFF SHAKOTAN PEN
Hypo.:44°12.7'N 140° 9.9'E 258km



Cent.:44°14.7'N 140° 9.8'E 258km $\Delta t = 0.9$
Mo: $2.42 \times 10^{16} \text{N}\cdot\text{m}$ Mw:4.9 Mj:4.7 (sec)
mrr:-0.75 mtt: 0.56 mff: 0.19
mrt: 0.21 mrf: 0.03 mtf:-2.40 ($\times 10^{16} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1:268° 86° -173° P-axis:-2.06 133° 7°
NP2:178° 83° -4° T-axis: 2.79 43° 2°
N-axis:-0.73 296° 82°
V.R.: 87% ϵ : 0.26 N:12 COMP:17

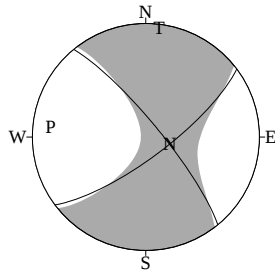
2022/11/24 01:52:26.2
E OFF HACHIJOJIMA ISLAND
Hypo.:33°46.0'N 141°22.3'E 37km



Cent.:33°52.6'N 141°22.3'E 25km $\Delta t = 5.1$
Mo: $9.81 \times 10^{16} \text{N}\cdot\text{m}$ Mw:5.3 Mj:5.2 (sec)
mrr:-4.66 mtt: 8.42 mff:-3.76
mrt:-4.13 mrf: 4.84 mtf:-1.80 ($\times 10^{16} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1:130° 72° -54° P-axis:-9.28 80° 50°
NP2:243° 39° -151° T-axis:10.34 194° 19°
N-axis:-1.06 297° 34°
V.R.: 81% ϵ : 0.10 N:41 COMP:91

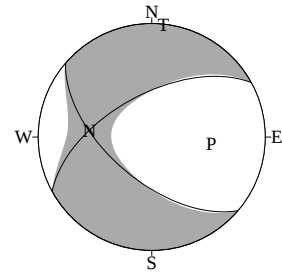
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2022/11/25 16:04:29.2
 ENSYUNADA
 Hypo.:34°23.4'N 137°36.1'E 330km



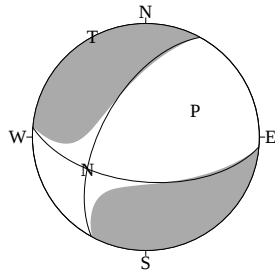
Cent.:34°21.3'N 137°36.0'E 328km $\Delta t = 0.5$
 Mo: $1.67 \times 10^{16} \text{N}\cdot\text{m}$ Mw:4.7 Mj:4.8 (sec)
 mrr: 0.08 mtt: 1.49 mff:-1.57
 mrt: 0.00 mrf:-0.60 mtf:-0.37 ($\times 10^{16} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 53° 76° -170° P-axis:-1.80 276° 17°
 NP2:321° 80° -15° T-axis: 1.53 7° 3°
 N-axis: 0.27 106° 72°
 V.R.: 84% ϵ :-0.15 N:35 COMP:49

2022/11/28 06:40:46.0
 E OFF AOMORI PREF
 Hypo.:41° 9.9'N 142°54.1'E 34km



Cent.:41° 9.9'N 142°54.4'E 34km $\Delta t = 0.5$
 Mo: $6.22 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.5 Mj:4.6 (sec)
 mrr:-3.14 mtt: 5.82 mff:-2.68
 mrt: 0.38 mrf: 3.54 mtf:-0.89 ($\times 10^{15} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1:130° 59° -37° P-axis:-6.52 96° 46°
 NP2:241° 59° -143° T-axis: 5.92 6° 0°
 N-axis: 0.60 276° 44°
 V.R.: 68% ϵ :-0.09 N:21 COMP:31

2022/11/30 00:57:17.9
 NEAR OKINAWAJIMA ISLAND
 Hypo.:26°24.2'N 129°19.8'E 35km



Cent.:26°24.7'N 129°19.0'E 10km $\Delta t = 6.7$
 Mo: $5.59 \times 10^{16} \text{N}\cdot\text{m}$ Mw:5.1 Mj:5.4 (sec)
 mrr:-3.30 mtt: 4.03 mff:-0.73
 mrt:-1.02 mrf: 1.99 mtf: 3.59 ($\times 10^{16} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 95° 57° -39° P-axis:-5.23 62° 49°
 NP2:209° 58° -141° T-axis: 5.96 332° 0°
 N-axis:-0.72 241° 41°
 V.R.: 78% ϵ : 0.12 N:18 COMP:37

EQUAL AREA PROJECTON, LOWER HEMISPHERE.