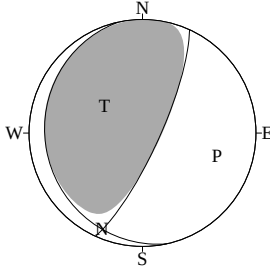


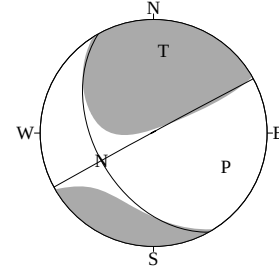
CMT SOLUTIONS FOR EARTHQUAKES IN AUGUST, 2024

2024/08/03 07:16:11.0
FAR E OFF SANRIKU
Hypo.:39°27.9'N 143°22.9'E 15km



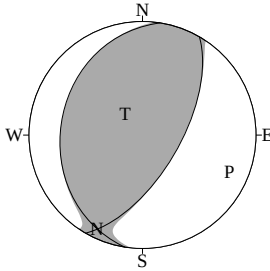
Cent.:39°27.9'N 143°23.2'E 15km $\Delta t = 0.5$
Mo: 6.20×10^{15} N·m Mw:4.5 Mj:4.8 (sec)
mrr: 2.68 mtt: 0.05 mff:-2.73
mrt: 2.56 mrf: 4.96 mtf:-0.17 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 24° 78° 99° P-axis:-6.04 107° 32°
NP2:168° 15° 54° T-axis: 6.35 306° 56°
N-axis:-0.31 203° 9°
V.R.: 70% ϵ : 0.05 N:29 COMP:43

2024/08/04 22:19:48.8
OFF NEMURO PENINSULA
Hypo.:42°58.9'N 145°14.3'E 72km



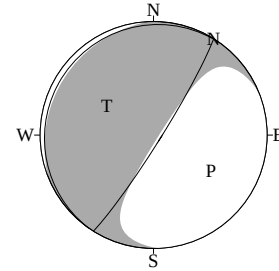
Cent.:42°58.8'N 145°14.5'E 72km $\Delta t = 0.6$
Mo: 1.62×10^{16} N·m Mw:4.7 Mj:4.7 (sec)
mrr:-0.10 mtt: 1.10 mff:-1.00
mrt: 1.06 mrf: 0.38 mtf:-0.56 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:241° 89°-137° P-axis:-1.50 115° 30°
NP2:151° 47° -1° T-axis: 1.75 7° 28°
N-axis:-0.25 242° 47°
V.R.: 79% ϵ : 0.14 N:18 COMP:40

2024/08/08 16:42:55.5
HYUGANADA REGION
Hypo.:31°44.2'N 131°43.3'E 31km



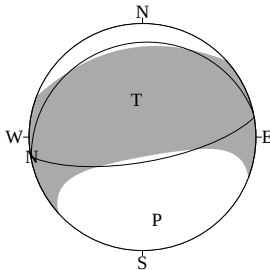
Cent.:31°36.2'N 131°44.4'E 36km $\Delta t = 6.2$
Mo: 3.70×10^{15} N·m Mw:7.0 Mj:7.1 (sec)
mrr: 2.89 mtt:-0.18 mff:-2.70
mrt: 1.32 mrf: 1.74 mtf:-1.04 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 30° 63° 100° P-axis:-3.75 113° 18°
NP2:189° 28° 71° T-axis: 3.66 321° 70°
N-axis: 0.09 206° 9°
V.R.: 76% ϵ :-0.02 N:31 COMP:74

2024/08/09 04:23:35.6
HYUGANADA REGION
Hypo.:31°48.7'N 131°38.9'E 26km



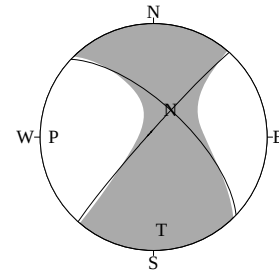
Cent.:31°50.2'N 131°38.8'E 15km $\Delta t = 4.7$
Mo: 1.50×10^{17} N·m Mw:5.4 Mj:5.4 (sec)
mrr: 0.17 mtt: 0.03 mff:-0.21
mrt: 0.77 mrf: 1.23 mtf:-0.26 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 32° 85° 90° P-axis:-1.60 122° 40°
NP2:213° 5° 91° T-axis: 1.40 302° 50°
N-axis: 0.20 32° 0°
V.R.: 73% ϵ :-0.12 N:19 COMP:30

2024/08/09 19:57:38.2
KANAGAWA PREF
Hypo.:35°24.6'N 139° 9.6'E 13km



Cent.:35°26.6'N 139° 9.6'E 20km $\Delta t = 5.8$
Mo: 4.67×10^{16} N·m Mw:5.0 Mj:5.3 (sec)
mrr: 2.08 mtt:-3.22 mff: 1.14
mrt: 3.73 mrf: 0.66 mtf:-0.85 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 80° 72° 91° P-axis:-5.32 170° 27°
NP2:258° 18° 88° T-axis: 4.02 351° 63°
N-axis: 1.30 260° 1°
V.R.: 76% ϵ :-0.24 N:43 COMP:94

2024/08/10 00:10:40.9
E OFF HACHIJOJIMA ISLAND
Hypo.:33°44.4'N 140°35.6'E 56km

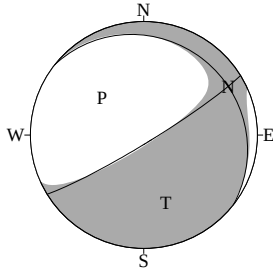


Cent.:33°44.4'N 140°36.8'E 56km $\Delta t = 0.6$
Mo: 1.20×10^{16} N·m Mw:4.7 Mj:4.9 (sec)
mrr: 0.18 mtt: 1.02 mff:-1.20
mrt:-0.29 mrf:-0.34 mtf: 0.08 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:222° 86° 157° P-axis:-1.28 270° 13°
NP2:313° 68° 4° T-axis: 1.13 175° 19°
N-axis: 0.16 32° 67°
V.R.: 75% ϵ :-0.12 N:35 COMP:58

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

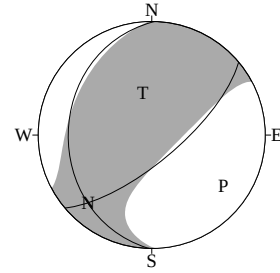
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf:Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG:Moment tensor component, azimuth and plunge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

2024/08/10 12:28:31.6
SOUTHERN SEA OF OKHOTSK
Hypo.:46°47.8'N 145° 0.3'E 447km



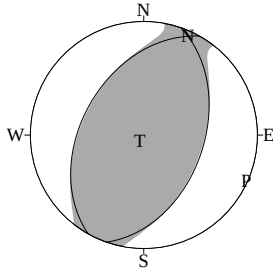
Cent.:46°51.7'N 144°59.5'E 417km $\Delta t = 6.6$
Mo: $6.85 \times 10^{18} \text{N}\cdot\text{m}$ Mw:6.5 Mj:6.7 (sec)
mrr:-1.52 mtt: 2.49 mff:-0.97
mrt:-5.33 mrf:-3.70 mtf:-0.52 ($\times 10^{18} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 59° 84° -105° P-axis:-7.09 312° 49°
NP2:308° 16° -21° T-axis: 6.60 162° 37°
N-axis: 0.49 60° 15°
V.R.: 78% ϵ :-0.07 N:19 COMP:48

2024/08/11 07:42:41.6
HYUGANADA REGION
Hypo.:31°49.9'N 131°38.7'E 32km



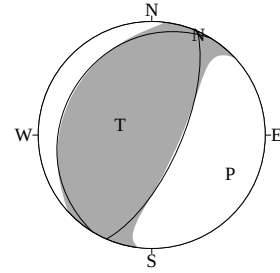
Cent.:31°49.9'N 131°39.0'E 32km $\Delta t = 0.5$
Mo: $7.96 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.5 Mj:4.5 (sec)
mrr: 3.94 mtt: 0.25 mff:-4.19
mrt: 4.52 mrf: 3.71 mtf:-3.87 ($\times 10^{15} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 50° 71° 110° P-axis:-8.84 125° 24°
NP2:181° 27° 45° T-axis: 7.07 348° 59°
N-axis: 1.77 223° 19°
V.R.: 67% ϵ :-0.20 N:22 COMP:33

2024/08/16 08:35:53.3
TAIWAN REGION
Hypo.:23°45.0'N 121°51.1'E 0km



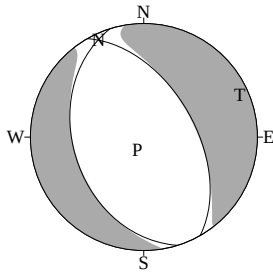
Cent.:23°54.6'N 121°50.8'E 18km $\Delta t = 7.7$
Mo: $1.91 \times 10^{18} \text{N}\cdot\text{m}$ Mw:6.1 Mj:6.1 (sec)
mrr: 1.84 mtt:-0.23 mff:-1.61
mrt:-0.12 mrf: 0.11 mtf:-0.78 ($\times 10^{18} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 19° 46° 83° P-axis:-1.96 114° 1°
NP2:209° 44° 97° T-axis: 1.85 214° 85°
N-axis: 0.11 24° 5°
V.R.: 69% ϵ :-0.05 N:10 COMP:26

2024/08/17 09:33:28.7
KINKAZAN REGION
Hypo.:38°32.0'N 141°49.6'E 49km



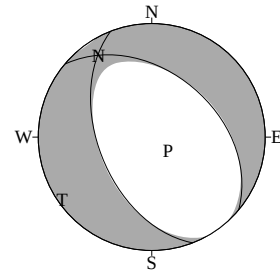
Cent.:38°32.0'N 141°49.9'E 49km $\Delta t = 0.5$
Mo: $8.11 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.5 Mj:4.6 (sec)
mrr: 5.06 mtt:-0.57 mff:-4.49
mrt: 2.32 mrf: 5.53 mtf:-2.70 ($\times 10^{15} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 24° 69° 87° P-axis:-8.51 116° 24°
NP2:211° 21° 97° T-axis: 7.72 289° 66°
N-axis: 0.79 25° 3°
V.R.: 73% ϵ :-0.09 N:27 COMP:36

2024/08/17 15:32:11.3
FAR E OFF IZU ISLANDS
Hypo.:32°37.7'N 142°27.4'E 68km



Cent.:32°37.4'N 142°29.4'E 13km $\Delta t = 1.0$
Mo: $6.70 \times 10^{16} \text{N}\cdot\text{m}$ Mw:5.2 Mj:5.1 (sec)
mrr:-6.22 mtt: 0.73 mff: 5.49
mrt: 1.33 mrf:-1.36 mtf:-2.60 ($\times 10^{16} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1:330° 53° -98° P-axis:-6.53 207° 80°
NP2:163° 38° -80° T-axis: 6.88 66° 8°
N-axis:-0.34 335° 6°
V.R.: 79% ϵ : 0.05 N:35 COMP:79

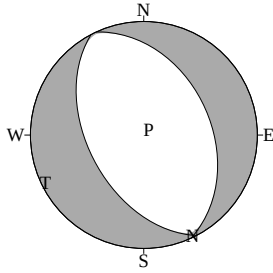
2024/08/19 00:48:17.6
NORTHERN IBARAKI PREF
Hypo.:36°43.4'N 140°37.5'E 7km



Cent.:36°43.4'N 140°38.1'E 10km $\Delta t = 0.5$
Mo: $7.55 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.5 Mj:4.8 (sec)
mrr:-7.16 mtt: 2.42 mff: 4.74
mrt: 1.03 mrf: 2.04 mtf:-3.48 ($\times 10^{15} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1:310° 43° -112° P-axis:-7.77 129° 75°
NP2:159° 51° -71° T-axis: 7.32 235° 4°
N-axis: 0.44 327° 15°
V.R.: 77% ϵ :-0.06 N:18 COMP:27

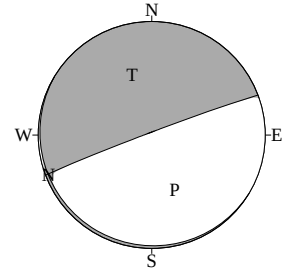
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2024/08/19 00:50:46.7
NORTHERN IBARAKI PREF
Hypo.:36°43.0'N 140°37.2'E 8km



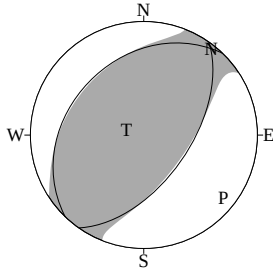
Cent.:36°43.0'N 140°37.0'E 10km $\Delta t = 2.3$
Mo: 2.10×10^{16} N·m Mw:4.8 Mj:5.1 (sec)
mrr:-2.08 mtt: 0.41 mff: 1.67
mrt:-0.19 mrf: 0.26 mtf:-0.82 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:335° 41° -88° P-axis:-2.11 44° 85°
NP2:152° 49° -92° T-axis: 2.10 244° 4°
N-axis: 0.01 154° 2°
V.R.: 84% ϵ : 0.00 N:25 COMP:37

2024/08/20 08:02:12.2
KUSHIRO REGION
Hypo.:42°55.0'N 144° 8.3'E 114km



Cent.:42°55.3'N 144° 8.6'E 114km $\Delta t = 0.5$
Mo: 9.59×10^{15} N·m Mw:4.6 Mj:4.5 (sec)
mrr:-0.68 mtt: 0.85 mff:-0.17
mrt: 8.94 mrf: 3.39 mtf:-0.11 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:121° 3° -39° P-axis:-9.61 157° 47°
NP2:249° 88° -93° T-axis: 9.57 342° 43°
N-axis: 0.04 249° 3°
V.R.: 86% ϵ : 0.00 N:22 COMP:35

2024/08/31 22:04:13.0
HYUGANADA REGION
Hypo.:31°55.4'N 131°54.4'E 28km



Cent.:31°44.5'N 131°54.7'E 37km $\Delta t = 1.7$
Mo: 1.54×10^{16} N·m Mw:4.7 Mj:4.7 (sec)
mrr: 1.33 mtt:-0.50 mff:-0.83
mrt: 0.32 mrf: 0.55 mtf:-0.80 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 35° 57° 85° P-axis:-1.61 128° 12°
NP2:224° 33° 97° T-axis: 1.47 289° 77°
N-axis: 0.14 38° 4°
V.R.: 69% ϵ :-0.09 N:27 COMP:48

EQUAL AREA PROJECTON, LOWER HEMISPHERE.