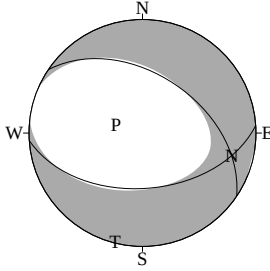


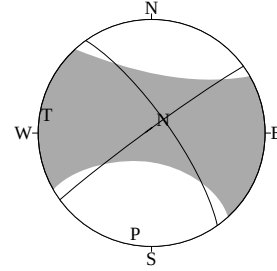
CMT SOLUTIONS FOR EARTHQUAKES IN JULY, 2024

2024/07/02 07:44:54.6
W OFF OGASAWARA
Hypo.:27° 9.7'N 140°53.6'E 488km



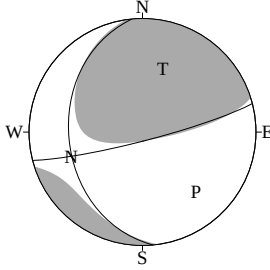
Cent.:26°52.3'N 140°48.3'E 487km $\Delta t = -1.3$
Mo: 1.00×10^{17} N·m Mw:5.3 Mj:5.4 (sec)
mrr:-0.95 mtt: 0.90 mff: 0.05
mrt:-0.14 mrf:-0.37 mtf:-0.25 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 86° 50° -117° P-axis:-1.10 288° 70°
NP2:304° 47° -62° T-axis: 1.00 194° 1°
N-axis: 0.10 104° 20°
V.R.: 81% ϵ :-0.12 N:15 COMP:33

2024/07/04 12:12:29.6
KUJUKURI COAST BOSO PEN
Hypo.:35°12.5'N 140°27.8'E 49km



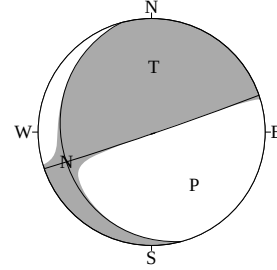
Cent.:35°15.3'N 140°28.0'E 48km $\Delta t = 4.1$
Mo: 5.68×10^{16} N·m Mw:5.1 Mj:5.2 (sec)
mrr: 2.36 mtt:-6.41 mff: 4.06
mrt: 1.83 mrf:-0.08 mtf: 1.66 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:234° 87° -13° P-axis:-7.02 189° 11°
NP2:325° 77° -177° T-axis: 4.34 280° 7°
N-axis: 2.69 41° 77°
V.R.: 74% ϵ :-0.38 N:44 COMP:81

2024/07/06 03:14: 3.2
KAMIKAWA-SORACHI REGION
Hypo.:44°20.4'N 142°25.0'E 243km



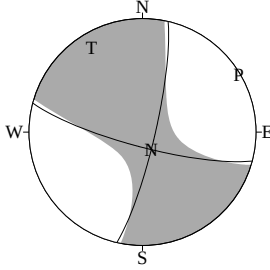
Cent.:44°19.9'N 142°24.7'E 241km $\Delta t = 0.8$
Mo: 6.16×10^{16} N·m Mw:5.1 Mj:5.0 (sec)
mrr: 1.13 mtt: 0.93 mff:-2.06
mrt: 5.05 mrf: 0.38 mtf:-3.09 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 76° 84° 125° P-axis:-5.80 138° 30°
NP2:175° 35° 11° T-axis: 6.52 18° 41°
N-axis:-0.73 251° 34°
V.R.: 89% ϵ : 0.11 N:19 COMP:35

2024/07/06 19:21:18.8
E OFF HACHIJOJIMA ISLAND
Hypo.:33°31.4'N 140°28.7'E 57km



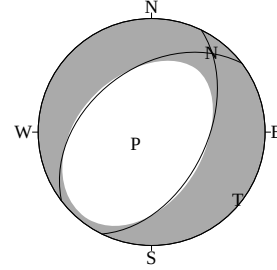
Cent.:33°30.2'N 140°29.0'E 48km $\Delta t = 1.5$
Mo: 3.04×10^{16} N·m Mw:4.9 Mj:4.8 (sec)
mrr: 0.10 mtt: 0.53 mff:-0.63
mrt: 2.67 mrf: 0.94 mtf:-0.96 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:164° 22° 4° P-axis:-3.09 141° 40°
NP2: 71° 89° 112° T-axis: 2.99 2° 42°
N-axis: 0.10 251° 22°
V.R.: 83% ϵ :-0.03 N:44 COMP:91

2024/07/08 05:01:13.2
W OFF OGASAWARA
Hypo.:27° 2.4'N 139°16.8'E 598km



Cent.:26°56.2'N 139°12.7'E 575km $\Delta t = 3.2$
Mo: 2.35×10^{18} N·m Mw:6.2 Mj:6.4 (sec)
mrr: 0.45 mtt: 0.85 mff:-1.30
mrt: 0.34 mrf: 0.27 mtf: 2.03 ($\times 10^{18}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 13° 81° 169° P-axis:-2.52 59° 1°
NP2:105° 79° 9° T-axis: 2.18 329° 14°
N-axis: 0.34 154° 76°
V.R.: 80% ϵ :-0.14 N:14 COMP:33

2024/07/13 08:18:48.7
NEAR OKINAWAJIMA ISLAND
Hypo.:25° 6.0'N 128° 9.1'E 69km

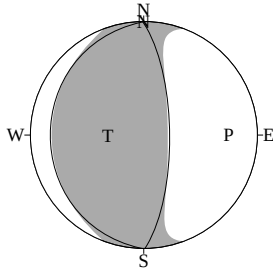


Cent.:25° 0.4'N 128° 9.3'E 12km $\Delta t = 2.7$
Mo: 1.30×10^{17} N·m Mw:5.3 Mj:5.3 (sec)
mrr:-1.27 mtt: 0.53 mff: 0.74
mrt: 0.18 mrf:-0.33 mtf: 0.55 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 26° 50° -108° P-axis:-1.40 233° 76°
NP2:232° 43° -70° T-axis: 1.20 128° 4°
N-axis: 0.20 37° 13°
V.R.: 90% ϵ :-0.12 N:13 COMP:26

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

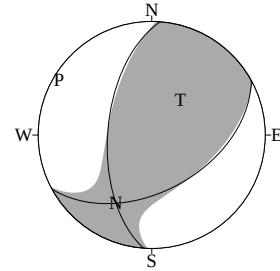
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf:Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG:Moment tensor component, azimuth and plunge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

2024/07/16 15:36:43.6
NEAR TORISHIMA IS
Hypo.:29°22.2'N 142°30.4'E 43km



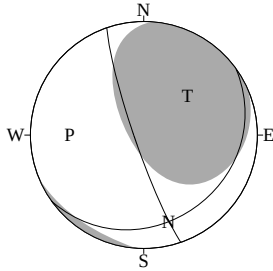
Cent.:29°23.4'N 142°32.2'E 10km $\Delta t = 3.0$
Mo: 8.70×10^{16} N·m Mw:5.2 Mj:5.3 (sec)
mrr: 4.85 mtt: 0.80 mff:-5.65
mrt:-0.08 mrf: 6.94 mtf: 0.00 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:359° 71° 90° P-axis:-9.10 90° 26°
NP2:181° 19° 91° T-axis: 8.30 269° 64°
N-axis: 0.80 360° 0°
V.R.: 84% ϵ :-0.09 N:11 COMP:24

2024/07/18 20:07:36.2
E OFF HACHIJOJIMA ISLAND
Hypo.:33°34.0'N 140°14.5'E 100km



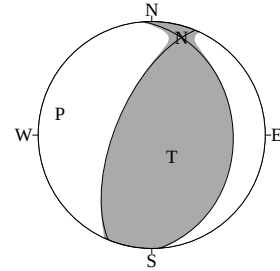
Cent.:33°36.2'N 140°14.7'E 93km $\Delta t = 4.9$
Mo: 3.30×10^{17} N·m Mw:5.6 Mj:5.7 (sec)
mrr: 2.30 mtt:-0.15 mff:-2.15
mrt: 0.81 mrf:-1.10 mtf:-2.12 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 61° 49° 135° P-axis:-3.50 301° 5°
NP2:184° 58° 51° T-axis: 3.20 39° 57°
N-axis: 0.40 208° 33°
V.R.: 91% ϵ :-0.11 N:35 COMP:92

2024/07/19 07:54:38.2
NE OFF HOKKAIDO
Hypo.:45°40.7'N 143°12.9'E 335km



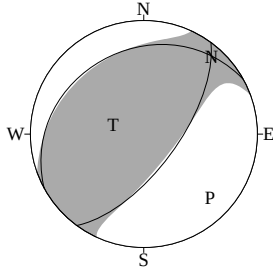
Cent.:45°42.5'N 143°12.4'E 338km $\Delta t = 0.8$
Mo: 7.36×10^{15} N·m Mw:4.5 Mj:4.6 (sec)
mrr: 2.39 mtt:-0.33 mff:-2.06
mrt: 3.78 mrf:-5.80 mtf:-2.57 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 55° 23° 162° P-axis:-6.04 270° 35°
NP2:161° 83° 68° T-axis: 8.69 48° 47°
N-axis:-2.65 164° 22°
V.R.: 83% ϵ : 0.30 N:9 COMP:11

2024/07/20 20:15:51.1
E OFF IBARAKI PREF
Hypo.:36°44.4'N 141°33.0'E 36km



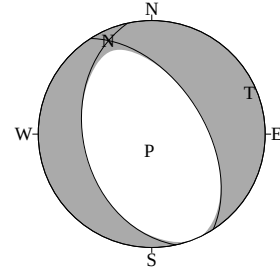
Cent.:36°42.9'N 141°33.5'E 36km $\Delta t = 0.7$
Mo: 1.64×10^{16} N·m Mw:4.7 Mj:5.0 (sec)
mrr: 1.26 mtt: 0.06 mff:-1.32
mrt:-0.51 mrf:-0.84 mtf:-0.24 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:356° 29° 67° P-axis:-1.65 283° 18°
NP2:203° 64° 102° T-axis: 1.62 137° 69°
N-axis: 0.03 17° 11°
V.R.: 82% ϵ :-0.02 N:20 COMP:38

2024/07/21 13:27:29.7
OFF NEMURO PENINSULA
Hypo.:42°42.3'N 145°31.3'E 28km



Cent.:42°35.2'N 145°31.1'E 32km $\Delta t = 3.0$
Mo: 1.30×10^{17} N·m Mw:5.3 Mj:5.4 (sec)
mrr: 0.86 mtt:-0.48 mff:-0.38
mrt: 0.44 mrf: 0.70 mtf:-0.61 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 36° 66° 80° P-axis:-1.30 134° 20°
NP2:241° 26° 112° T-axis: 1.20 287° 67°
N-axis: 0.10 41° 10°
V.R.: 82% ϵ :-0.11 N:22 COMP:47

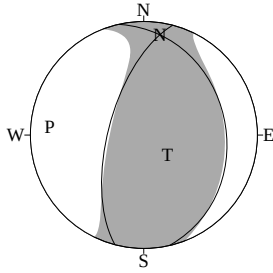
2024/07/22 10:07:34.3
NORTHERN IBARAKI PREF
Hypo.:36°46.7'N 140°44.6'E 89km



Cent.:36°54.3'N 140°45.3'E 91km $\Delta t = 0.7$
Mo: 1.68×10^{16} N·m Mw:4.7 Mj:4.8 (sec)
mrr:-1.60 mtt: 0.23 mff: 1.38
mrt: 0.43 mrf:-0.23 mtf:-0.57 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:327° 52°-103° P-axis:-1.70 189° 78°
NP2:168° 39° -74° T-axis: 1.65 67° 7°
N-axis: 0.05 335° 10°
V.R.: 87% ϵ :-0.03 N:40 COMP:57

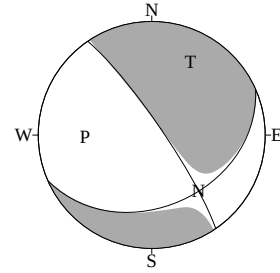
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2024/07/25 16:26: 8.6
KINKAZAN REGION
Hypo.:38°21.9'N 141°39.8'E 60km



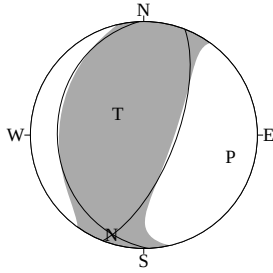
Cent.:38°21.9'N 141°40.3'E 60km $\Delta t = 0.5$
Mo: $8.45 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.6 Mj:4.5 (sec)
mrr: 5.95 mtt: 1.38 mff:-7.33
mrt:-1.78 mrf:-4.84 mtf:-0.36 ($\times 10^{15} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1:347° 28° 65° P-axis:-8.98 275° 18°
NP2:195° 64° 103° T-axis: 7.92 129° 68°
N-axis: 1.07 9° 11°
V.R.: 76% ϵ :-0.12 N:21 COMP:30

2024/07/27 20:21:48.2
TAIWAN REGION
Hypo.:21°54.3'N 121°11.0'E 53km



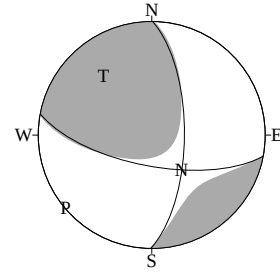
Cent.:21°46.5'N 121°10.7'E 35km $\Delta t = 1.4$
Mo: $3.82 \times 10^{16} \text{N}\cdot\text{m}$ Mw:5.0 Mj:5.3 (sec)
mrr:-0.83 mtt: 2.32 mff:-1.49
mrt: 1.53 mrf:-2.54 mtf:-1.29 ($\times 10^{16} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 66° 37°-167° P-axis:-3.72 269° 41°
NP2:326° 82° -54° T-axis: 3.92 28° 28°
N-axis:-0.20 140° 36°
V.R.: 89% ϵ : 0.05 N:7 COMP:15

2024/07/28 19:13:24.0
FAR E OFF SANRIKU
Hypo.:39°28.6'N 143°35.9'E 7km



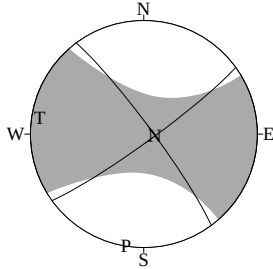
Cent.:39°27.3'N 143°35.3'E 19km $\Delta t = 6.9$
Mo: $0.98 \times 10^{17} \text{N}\cdot\text{m}$ Mw:5.3 Mj:5.5 (sec)
mrr: 0.62 mtt: 0.13 mff:-0.75
mrt: 0.27 mrf: 0.61 mtf:-0.18 ($\times 10^{17} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 21° 67° 100° P-axis:-1.05 104° 22°
NP2:177° 25° 68° T-axis: 0.90 309° 66°
N-axis: 0.15 198° 9°
V.R.: 73% ϵ :-0.14 N:38 COMP:92

2024/07/30 01:25:30.3
HYUGANADA REGION
Hypo.:32° 8.8'N 131°36.6'E 48km



Cent.:32°11.1'N 131°36.3'E 42km $\Delta t = 3.7$
Mo: $7.41 \times 10^{16} \text{N}\cdot\text{m}$ Mw:5.2 Mj:5.1 (sec)
mrr: 1.81 mtt: 0.29 mff:-2.11
mrt: 3.12 mrf: 2.42 mtf: 6.00 ($\times 10^{16} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 0° 66° 156° P-axis:-7.02 230° 1°
NP2:101° 68° 26° T-axis: 7.80 321° 33°
N-axis:-0.78 139° 57°
V.R.: 83% ϵ : 0.10 N:39 COMP:89

2024/07/31 01:47:16.1
TOKYO PREF
Hypo.:35°40.9'N 139°34.6'E 121km



Cent.:35°35.3'N 139°35.2'E 123km $\Delta t = 1.1$
Mo: $1.53 \times 10^{16} \text{N}\cdot\text{m}$ Mw:4.7 Mj:4.7 (sec)
mrr: 0.52 mtt:-1.71 mff: 1.20
mrt: 0.02 mrf: 0.11 mtf: 0.46 ($\times 10^{16} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 54° 84° 6° P-axis:-1.78 189° 0°
NP2:324° 84° 174° T-axis: 1.28 279° 8°
N-axis: 0.50 98° 82°
V.R.: 74% ϵ :-0.28 N:34 COMP:52

EQUAL AREA PROJECTON, LOWER HEMISPHERE.