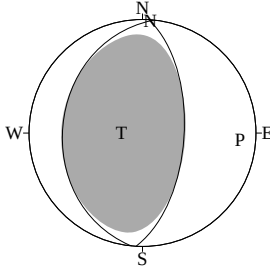


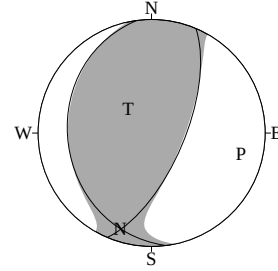
CMT SOLUTIONS FOR EARTHQUAKES IN OCTOBER, 2024

2024/10/14 19:45:57.0
CENTRAL CHIBA PREF
Hypo.:35°33.3'N 140° 5.1'E 71km



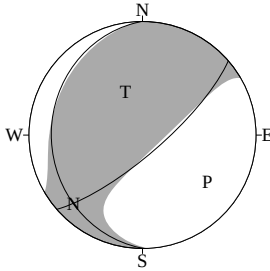
Cent.:35°33.3'N 140° 5.7'E 71km $\Delta t = 0.5$
Mo: 1.16×10^{16} N·m Mw:4.6 Mj:4.5 (sec)
mrr: 1.05 mtt: -0.08 mff: -0.97
mrt: 0.02 mrf: 0.58 mtf: -0.07 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 3° 60° 89° P-axis: -1.12 94° 15°
NP2: 185° 30° 92° T-axis: 1.20 271° 75°
N-axis: -0.08 4° 1°
V.R.: 72% ϵ : 0.06 N:15 COMP:26

2024/10/18 13:38: 4.1
NE OFF IWATE PREF
Hypo.:40° 7.9'N 142°24.7'E 40km



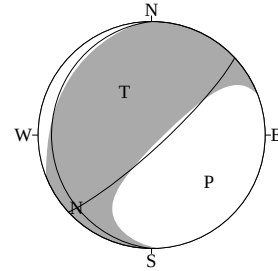
Cent.:40°10.9'N 142°24.9'E 49km $\Delta t = 3.2$
Mo: 9.07×10^{16} N·m Mw:5.2 Mj:5.4 (sec)
mrr: 6.20 mtt: 0.86 mff: -7.06
mrt: 2.94 mrf: 5.27 mtf: -1.25 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 23° 66° 103° P-axis: -9.37 103° 20°
NP2: 173° 27° 62° T-axis: 8.77 316° 66°
N-axis: 0.60 198° 12°
V.R.: 84% ϵ : -0.06 N:14 COMP:26

2024/10/18 18:18:19.8
IOTO ISLANDS REGION
Hypo.:25°11.5'N 143°23.9'E 9km



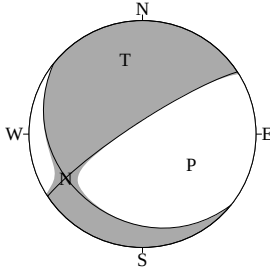
Cent.:24°45.9'N 143°20.4'E 13km $\Delta t = -1.1$
Mo: 2.00×10^{17} N·m Mw:5.5 Mj:5.8 (sec)
mrr: 0.79 mtt: 0.07 mff: -0.86
mrt: 1.33 mrf: 1.12 mtf: -0.72 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 49° 76° 106° P-axis: -2.20 126° 30°
NP2: 179° 21° 42° T-axis: 1.90 339° 56°
N-axis: 0.30 225° 15°
V.R.: 90% ϵ : -0.13 N:20 COMP:37

2024/10/25 02:51:23.9
IOTO ISLANDS REGION
Hypo.:25°39.0'N 143° 7.6'E 0km



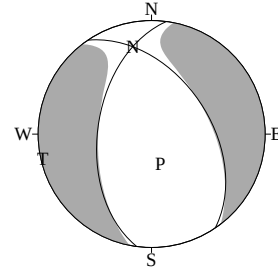
Cent.:25°29.7'N 143° 7.2'E 15km $\Delta t = 2.0$
Mo: 8.76×10^{16} N·m Mw:5.2 Mj:5.4 (sec)
mrr: 1.80 mtt: 0.38 mff: -2.18
mrt: 5.88 mrf: 5.74 mtf: -2.74 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 47° 81° 99° P-axis: -9.66 129° 35°
NP2: 180° 13° 44° T-axis: 7.85 328° 53°
N-axis: 1.81 226° 9°
V.R.: 85% ϵ : -0.19 N:14 COMP:29

2024/10/25 15:31:49.2
OFF NEMURO PENINSULA
Hypo.:43°15.7'N 146°37.5'E 66km



Cent.:43°15.7'N 146°37.6'E 66km $\Delta t = 0.5$
Mo: 7.21×10^{15} N·m Mw:4.5 Mj:4.5 (sec)
mrr: -1.94 mtt: 3.92 mff: -1.98
mrt: 5.01 mrf: 3.90 mtf: -0.37 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 129° 25° -20° P-axis: -7.30 122° 48°
NP2: 237° 82° -114° T-axis: 7.12 347° 33°
N-axis: 0.17 240° 23°
V.R.: 85% ϵ : -0.02 N:12 COMP:16

2024/10/25 20:17: 4.7
E OFF FUKUSHIMA PREF
Hypo.:37° 4.1'N 142° 2.5'E 24km



Cent.:37° 4.2'N 142° 2.7'E 24km $\Delta t = 0.5$
Mo: 7.45×10^{15} N·m Mw:4.5 Mj:4.6 (sec)
mrr: -6.17 mtt: -1.12 mff: 7.29
mrt: 2.11 mrf: 0.89 mtf: -2.09 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 326° 48° -121° P-axis: -7.10 163° 68°
NP2: 187° 51° -61° T-axis: 7.79 257° 2°
N-axis: -0.68 348° 22°
V.R.: 84% ϵ : 0.09 N:14 COMP:22

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