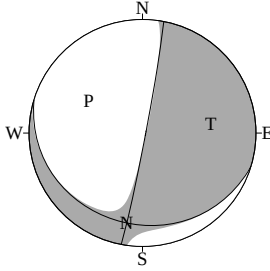


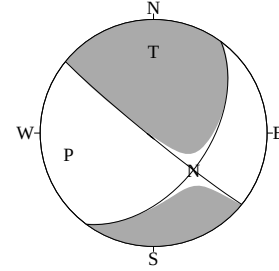
CMT SOLUTIONS FOR EARTHQUAKES IN DECEMBER, 2024

2024/12/05 23:35:59.8
FAR S OFF TOKAI DISTRICT
Hypo.:32°21.7'N 138° 6.6'E 378km



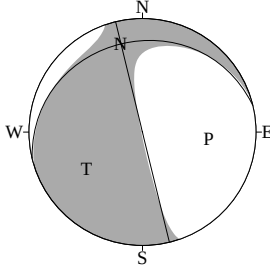
Cent.:32°23.9'N 138° 5.2'E 375km $\Delta t = 2.5$
Mo: 4.63×10^{16} N·m Mw:5.0 Mj:4.9 (sec)
mrr:-0.41 mtt:-0.43 mff: 0.84
mrt:-0.97 mrf:-4.22 mtf:-1.49 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 11° 88° -69° P-axis:-4.73 301° 44°
NP2:107° 21°-174° T-axis: 4.53 82° 39°
N-axis: 0.20 190° 21°
V.R.: 83% ϵ :-0.04 N:36 COMP:52

2024/12/08 19:25: 3.6
KURILE ISLANDS REGION
Hypo.:47°36.7'N 152°52.8'E 302km



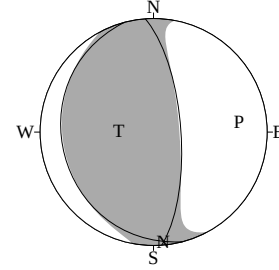
Cent.:47°26.8'N 152°48.4'E 205km $\Delta t = 16.6$
Mo: 9.30×10^{17} N·m Mw:5.9 Mj:6.1 (sec)
mrr: 0.48 mtt: 6.70 mff:-7.18
mrt: 5.01 mrf:-3.18 mtf: 1.67 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 36° 51° 176° P-axis:-9.10 256° 24°
NP2:129° 87° 40° T-axis: 9.50 0° 29°
N-axis:-0.40 133° 50°
V.R.: 75% ϵ : 0.04 N:41 COMP:91

2024/12/10 05:33:22.1
E OFF BOSO PENINSULA
Hypo.:35°10.0'N 140°34.4'E 53km



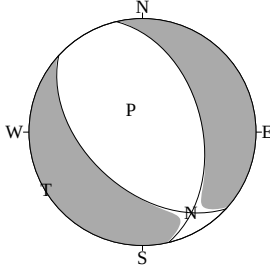
Cent.:35° 7.3'N 140°34.8'E 53km $\Delta t = 0.8$
Mo: 2.11×10^{16} N·m Mw:4.8 Mj:4.8 (sec)
mrr:-0.06 mtt: 0.48 mff:-0.42
mrt:-0.38 mrf: 1.94 mtf:-0.62 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:166° 90° -69° P-axis:-2.20 96° 41°
NP2:257° 21°-180° T-axis: 2.02 237° 41°
N-axis: 0.18 346° 21°
V.R.: 82% ϵ :-0.08 N:15 COMP:27

2024/12/27 06:02:25.2
NEAR TORISHIMA IS
Hypo.:30°35.2'N 142°20.9'E 67km



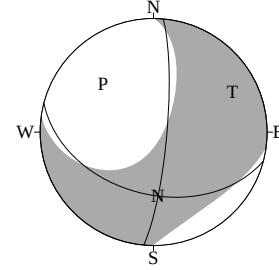
Cent.:30°32.5'N 142°19.4'E 10km $\Delta t = 6.7$
Mo: 8.50×10^{17} N·m Mw:5.9 Mj:6.2 (sec)
mrr: 5.02 mtt: 0.57 mff:-5.59
mrt:-0.35 mrf: 6.53 mtf: 0.98 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:356° 70° 94° P-axis:-8.80 83° 25°
NP2:165° 20° 80° T-axis: 8.10 272° 65°
N-axis: 0.70 175° 3°
V.R.: 83% ϵ :-0.08 N:25 COMP:56

2024/12/27 19:43:50.6
FAR FIELD
Hypo.:19°40.9'N 144°27.1'E 443km



Cent.:19°43.4'N 144°47.8'E 427km $\Delta t = -2.5$
Mo: 1.40×10^{17} N·m Mw:5.4 Mj:5.7 (sec)
mrr:-1.27 mtt: 0.25 mff: 1.02
mrt:-0.38 mrf:-0.15 mtf:-0.69 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:347° 47° -65° P-axis:-1.40 333° 72°
NP2:133° 49°-114° T-axis: 1.40 239° 1°
N-axis: 0.00 149° 18°
V.R.: 79% ϵ : 0.02 N:50 COMP:60

2024/12/27 21:47:40.4
KURILE ISLANDS REGION
Hypo.:46°20.2'N 151°28.4'E 210km

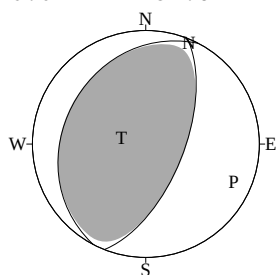


Cent.:46°47.9'N 151°32.5'E 171km $\Delta t = 0.0$
Mo: 1.99×10^{19} N·m Mw:6.8 Mj:6.8 (sec)
mrr:-0.34 mtt:-0.02 mff: 0.36
mrt:-0.86 mrf:-1.37 mtf:-1.25 ($\times 10^{19}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 5° 80° -46° P-axis:-2.33 314° 38°
NP2:105° 44°-166° T-axis: 1.64 63° 23°
N-axis: 0.70 176° 43°
V.R.: 74% ϵ :-0.30 N:11 COMP:30

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

2024/12/28 04:10: 5.0
 E OFF FUKUSHIMA PREF
 Hypo.:37°20.6'N 141°34.8'E 43km



Cent.:37°19.5'N 141°34.8'E 52km $\Delta t = 4.2$
 Mo: 1.00×10^{17} N·m Mw:5.3 Mj:5.3 (sec)
 mrr: 0.85 mtt:-0.16 mff:-0.68
 mrt: 0.19 mrf: 0.55 mtf:-0.30 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 21° 62° 87° P-axis:-1.00 113° 17°
 NP2:208° 28° 96° T-axis: 1.00 284° 72°
 N-axis: 0.00 23° 3°
 V.R.: 89% ϵ : 0.03 N:15 COMP:28

EQUAL AREA PROJECTON, LOWER HEMISPHERE.