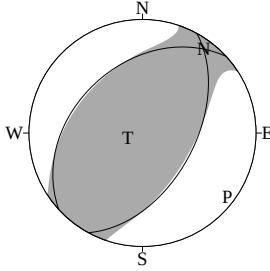


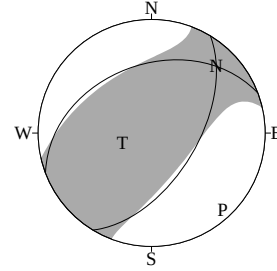
CMT SOLUTIONS FOR EARTHQUAKES IN MAY, 2024

2024/05/06 18:45:31.4
TAIWAN REGION
Hypo.:23°42.3'N 121°33.0'E 40km



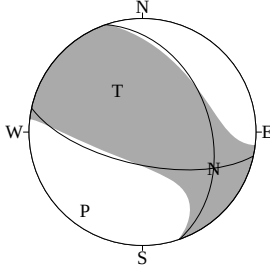
Cent.:23°40.3'N 121°33.0'E 33km $\Delta t = 2.8$
Mo: 3.80×10^{17} N·m Mw:5.7 Mj:5.7 (sec)
mrr: 3.46 mtt:-1.18 mff:-2.28
mrt: 0.10 mrf: 1.00 mtf:-2.14 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 29° 52° 78° P-axis:-4.00 127° 7°
NP2:227° 39° 105° T-axis: 3.60 251° 79°
N-axis: 0.40 36° 9°
V.R.: 74% ϵ :-0.10 N:8 COMP:22

2024/05/06 18:52:45.5
TAIWAN REGION
Hypo.:23°41.4'N 121°32.0'E 38km



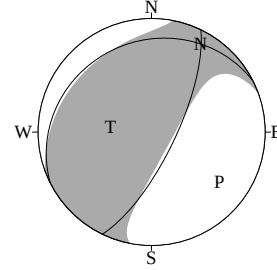
Cent.:23°37.2'N 121°31.9'E 31km $\Delta t = 2.1$
Mo: 1.30×10^{17} N·m Mw:5.3 Mj:5.4 (sec)
mrr: 0.98 mtt:-0.61 mff:-0.37
mrt: 0.12 mrf: 0.46 mtf:-0.88 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 31° 57° 67° P-axis:-1.40 137° 9°
NP2:249° 39° 121° T-axis: 1.10 252° 68°
N-axis: 0.30 44° 19°
V.R.: 80% ϵ :-0.21 N:9 COMP:21

2024/05/10 16:45:18.0
TAIWAN REGION
Hypo.:24°11.4'N 121°50.8'E 13km



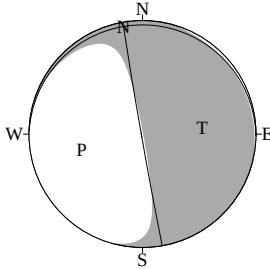
Cent.:24° 6.4'N 121°51.7'E 12km $\Delta t = 5.5$
Mo: 7.50×10^{17} N·m Mw:5.8 Mj:6.5 (sec)
mrr: 4.37 mtt:-3.23 mff:-1.14
mrt: 4.01 mrf:-0.23 mtf: 5.11 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:102° 66° 57° P-axis:-8.30 216° 15°
NP2:341° 40° 142° T-axis: 6.70 329° 55°
N-axis: 1.60 117° 30°
V.R.: 82% ϵ :-0.19 N:7 COMP:20

2024/05/11 09:47:19.6
SE OFF TOKACHI
Hypo.:41°45.4'N 144°13.8'E 17km



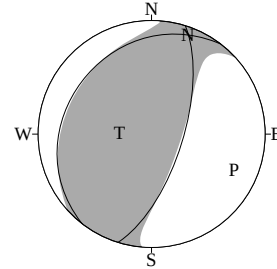
Cent.:41°37.9'N 144°14.3'E 12km $\Delta t = 0.9$
Mo: 1.17×10^{16} N·m Mw:4.6 Mj:4.9 (sec)
mrr: 0.56 mtt:-0.19 mff:-0.36
mrt: 0.40 mrf: 0.86 mtf:-0.53 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 26° 73° 77° P-axis:-1.27 126° 27°
NP2:243° 21° 125° T-axis: 1.07 278° 60°
N-axis: 0.20 29° 12°
V.R.: 68% ϵ :-0.16 N:19 COMP:27

2024/05/21 09:39:39.8
NEAR CHICHIJIMA ISLAND
Hypo.:26°14.3'N 141°29.6'E 52km



Cent.:25°58.4'N 141°32.7'E 49km $\Delta t = 4.0$
Mo: 1.80×10^{17} N·m Mw:5.4 Mj:5.6 (sec)
mrr:-0.03 mtt: 0.11 mff:-0.08
mrt: 0.32 mrf:-1.72 mtf: 0.17 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:170° 89° 94° P-axis:-1.80 256° 44°
NP2:271° 4° 11° T-axis: 1.70 84° 46°
N-axis: 0.20 350° 4°
V.R.: 86% ϵ :-0.09 N:41 COMP:82

2024/05/22 17:00:40.4
TAIWAN REGION
Hypo.:23°49.7'N 121°47.1'E 0km

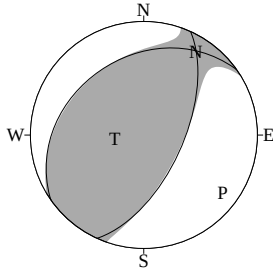


Cent.:23°56.4'N 121°47.2'E 10km $\Delta t = 3.0$
Mo: 6.02×10^{16} N·m Mw:5.1 Mj:5.6 (sec)
mrr: 3.94 mtt:-0.33 mff:-3.62
mrt: 1.05 mrf: 4.07 mtf:-2.14 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 17° 67° 82° P-axis:-6.33 113° 22°
NP2:217° 24° 108° T-axis: 5.72 273° 67°
N-axis: 0.61 20° 7°
V.R.: 84% ϵ :-0.10 N:9 COMP:17

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

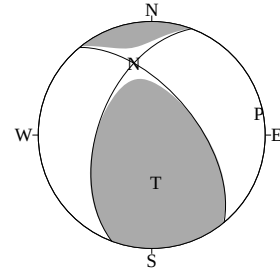
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf:Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG:Moment tensor component, azimuth and plunge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

2024/05/23 19:59:58.4
OFF NEMURO PENINSULA
Hypo.:43° 4.9'N 145°33.7'E 48km



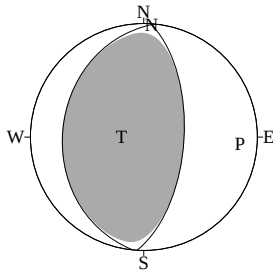
Cent.:43° 4.9'N 145°34.0'E 48km $\Delta t = 0.5$
Mo: $0.99 \times 10^{16} \text{N}\cdot\text{m}$ Mw:4.6 Mj:4.6 (sec)
mrr: 0.77 mtt:-0.28 mff:-0.49
mrt: 0.12 mrf: 0.52 mtf:-0.49 ($\times 10^{16} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 24° 62° 75° P-axis:-1.02 126° 15°
NP2:235° 32° 116° T-axis: 0.96 262° 69°
N-axis: 0.06 32° 14°
V.R.: 79% ϵ :-0.06 N:18 COMP:28

2024/05/26 00:07: 0.2
E OFF HACHIJOJIMA ISLAND
Hypo.:33°30.5'N 141° 3.8'E 44km



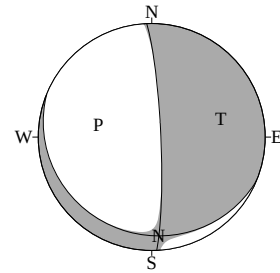
Cent.:33°30.4'N 141° 5.5'E 44km $\Delta t = 0.5$
Mo: $6.98 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.5 Mj:4.6 (sec)
mrr: 4.61 mtt: 1.90 mff:-6.52
mrt:-3.63 mrf: 0.17 mtf: 1.41 ($\times 10^{15} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1:321° 58° 48° P-axis:-6.80 79° 4°
NP2:201° 51° 138° T-axis: 7.16 175° 55°
N-axis:-0.36 346° 35°
V.R.: 63% ϵ : 0.05 N:15 COMP:31

2024/05/26 00:55:37.0
SW IBARAKI PREF
Hypo.:36° 9.4'N 140° 5.6'E 66km



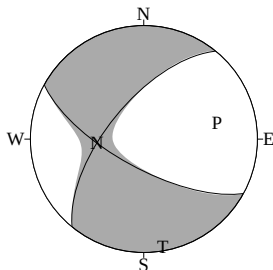
Cent.:36° 7.6'N 140° 6.1'E 70km $\Delta t = 0.9$
Mo: $2.08 \times 10^{16} \text{N}\cdot\text{m}$ Mw:4.8 Mj:4.7 (sec)
mrr: 1.80 mtt:-0.06 mff:-1.73
mrt: 0.05 mrf: 1.10 mtf:-0.13 ($\times 10^{16} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 3° 61° 89° P-axis:-2.06 94° 16°
NP2:185° 29° 92° T-axis: 2.11 271° 74°
N-axis:-0.05 4° 1°
V.R.: 80% ϵ : 0.02 N:14 COMP:33

2024/05/30 02:14:56.2
FAR S OFF TOKAI DISTRICT
Hypo.:32°18.6'N 137°47.2'E 405km



Cent.:32°23.2'N 137°46.8'E 400km $\Delta t = 2.4$
Mo: $2.30 \times 10^{17} \text{N}\cdot\text{m}$ Mw:5.5 Mj:5.5 (sec)
mrr:-0.52 mtt: 0.08 mff: 0.43
mrt: 0.02 mrf:-2.17 mtf:-0.56 ($\times 10^{17} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1:358° 83° -76° P-axis:-2.30 283° 50°
NP2:112° 15°-154° T-axis: 2.30 75° 37°
N-axis: 0.00 176° 14°
V.R.: 84% ϵ :-0.02 N:42 COMP:94

2024/05/31 04:46:44.0
SOUTHERN KUMAMOTO PREF
Hypo.:32°35.0'N 130°38.8'E 13km



Cent.:32°35.0'N 130°38.6'E 13km $\Delta t = 0.5$
Mo: $8.53 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.6 Mj:4.7 (sec)
mrr:-2.42 mtt: 7.76 mff:-5.34
mrt:-1.40 mrf: 4.04 mtf: 2.69 ($\times 10^{15} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1:219° 64°-157° P-axis:-8.72 77° 34°
NP2:119° 69° -28° T-axis: 8.33 170° 4°
N-axis: 0.39 265° 56°
V.R.: 82% ϵ :-0.05 N:14 COMP:25

EQUAL AREA PROJECTON, LOWER HEMISPHERE.