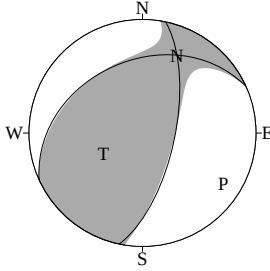


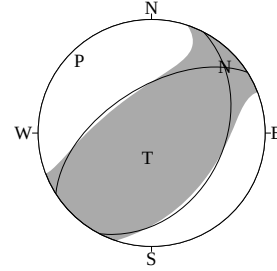
CMT SOLUTIONS FOR EARTHQUAKES IN SEPTEMBER, 2024

2024/09/02 17:26:24.3
TAIWAN REGION
Hypo.:23°53.6'N 121°38.2'E 30km



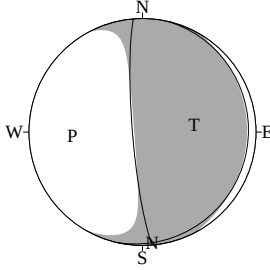
Cent.:23°49.0'N 121°38.6'E 23km $\Delta t = 5.5$
Mo: 5.03×10^{16} N·m Mw:5.1 Mj:5.1 (sec)
mrr: 3.14 mtt:-0.84 mff:-2.31
mrt:-0.11 mrf: 3.09 mtf:-2.82 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 12° 67° 62° P-axis:-5.21 122° 17°
NP2:246° 36° 138° T-axis: 4.85 242° 58°
N-axis: 0.36 24° 26°
V.R.: 81% ϵ :-0.07 N:6 COMP:13

2024/09/07 14:16:50.0
TAIWAN REGION
Hypo.:23°54.4'N 121°43.5'E 28km



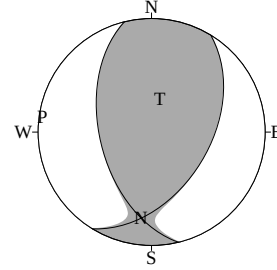
Cent.:23°50.1'N 121°43.3'E 28km $\Delta t = 0.8$
Mo: 4.77×10^{16} N·m Mw:5.1 Mj:5.0 (sec)
mrr: 3.78 mtt:-1.75 mff:-2.03
mrt:-1.82 mrf:-0.62 mtf:-2.98 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 28° 36° 65° P-axis:-5.20 315° 11°
NP2:238° 57° 107° T-axis: 4.33 189° 72°
N-axis: 0.87 48° 14°
V.R.: 73% ϵ :-0.17 N:7 COMP:15

2024/09/07 22:42:51.1
FAR S OFF TOKAI DISTRICT
Hypo.:32°15.7'N 137°53.1'E 399km



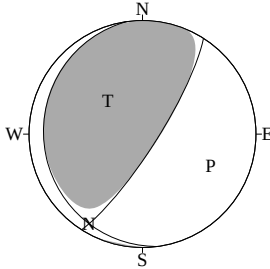
Cent.:32°10.2'N 137°52.6'E 401km $\Delta t = 0.3$
Mo: 1.10×10^{17} N·m Mw:5.3 Mj:5.3 (sec)
mrr: 0.23 mtt: 0.11 mff:-0.34
mrt: 0.09 mrf:-1.10 mtf:-0.01 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 13° 8° 108° P-axis:-1.20 267° 38°
NP2:175° 83° 88° T-axis: 1.10 82° 52°
N-axis: 0.10 175° 2°
V.R.: 81% ϵ :-0.09 N:47 COMP:84

2024/09/08 10:41:54.2
E OFF FUKUSHIMA PREF
Hypo.:37°30.7'N 141°53.3'E 55km



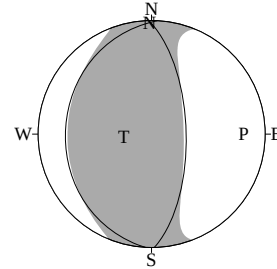
Cent.:37°30.7'N 141°53.6'E 55km $\Delta t = 0.5$
Mo: 6.51×10^{15} N·m Mw:4.5 Mj:4.6 (sec)
mrr: 5.32 mtt: 1.05 mff:-6.37
mrt: 2.28 mrf:-0.86 mtf:-1.18 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 31° 48° 124° P-axis:-6.58 278° 3°
NP2:166° 52° 58° T-axis: 6.43 14° 65°
N-axis: 0.14 187° 25°
V.R.: 70% ϵ :-0.02 N:26 COMP:39

2024/09/08 11:08:17.3
FAR E OFF SANRIKU
Hypo.:39°51.5'N 143° 9.9'E 18km



Cent.:39°48.5'N 143°10.4'E 18km $\Delta t = 0.6$
Mo: 8.71×10^{15} N·m Mw:4.6 Mj:4.6 (sec)
mrr: 3.30 mtt: 0.09 mff:-3.39
mrt: 4.59 mrf: 6.58 mtf:-0.60 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 32° 79° 99° P-axis:-8.52 115° 34°
NP2:172° 14° 50° T-axis: 8.90 314° 55°
N-axis:-0.38 211° 9°
V.R.: 70% ϵ : 0.04 N:22 COMP:32

2024/09/13 08:48:14.8
NEAR TORISHIMA IS
Hypo.:31° 1.8'N 141°31.8'E 50km

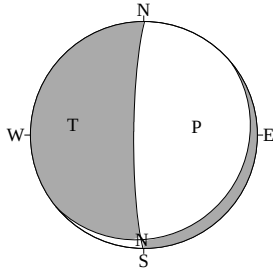


Cent.:31° 7.8'N 141°31.6'E 23km $\Delta t = 7.8$
Mo: 7.78×10^{16} N·m Mw:5.2 Mj:5.1 (sec)
mrr: 5.44 mtt: 1.02 mff:-6.46
mrt:-0.18 mrf: 5.01 mtf:-0.07 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:359° 65° 88° P-axis:-8.29 90° 20°
NP2:183° 25° 94° T-axis: 7.28 265° 70°
N-axis: 1.01 359° 2°
V.R.: 86% ϵ :-0.12 N:15 COMP:31

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

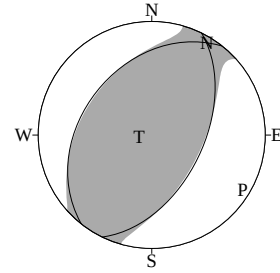
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf:Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG:Moment tensor component, azimuth and plunge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

2024/09/14 08:03:41.3
NEAR AMAMI-OSHIMA ISLAND
Hypo.:29°46.0'N 131° 1.6'E 52km



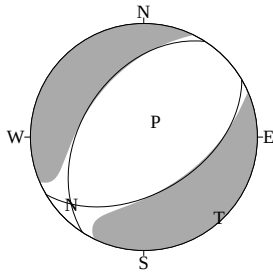
Cent.:29°38.9'N 131° 3.1'E 16km $\Delta t = 2.1$
Mo: 7.10×10^{17} N·m Mw:5.8 Mj:5.7 (sec)
mrr:-1.74 mtt: 0.00 mff: 1.74
mrt:-0.08 mrf: 6.83 mtf: 1.07 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 51° 11° -40° P-axis:-7.10 81° 51°
NP2:180° 83° -99° T-axis: 7.10 278° 37°
N-axis: 0.00 181° 9°
V.R.: 78% ϵ : 0.00 N:37 COMP:94

2024/09/16 23:13:48.3
HYUGANADA REGION
Hypo.:31°34.4'N 131°51.0'E 22km



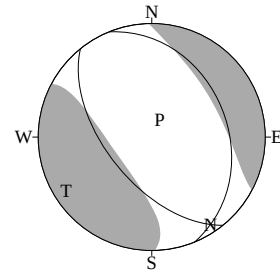
Cent.:31°28.5'N 131°51.1'E 33km $\Delta t = 6.4$
Mo: 1.90×10^{17} N·m Mw:5.5 Mj:5.3 (sec)
mrr: 1.79 mtt:-0.43 mff:-1.36
mrt: 0.10 mrf: 0.51 mtf:-0.95 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 26° 53° 82° P-axis:-2.00 121° 7°
NP2:218° 38° 100° T-axis: 1.90 262° 81°
N-axis: 0.10 31° 6°
V.R.: 75% ϵ :-0.07 N:15 COMP:28

2024/09/19 05:45:51.2
OFF NEMURO PENINSULA
Hypo.:43°13.5'N 146° 6.1'E 76km



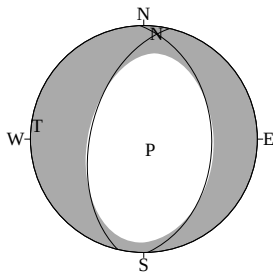
Cent.:43°13.5'N 146° 6.6'E 76km $\Delta t = 0.5$
Mo: 7.65×10^{15} N·m Mw:4.5 Mj:4.6 (sec)
mrr:-6.87 mtt: 3.64 mff: 3.23
mrt:-1.53 mrf: 0.66 mtf: 4.54 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 60° 49° -71° P-axis:-7.28 37° 76°
NP2:213° 44° -110° T-axis: 8.01 137° 3°
N-axis:-0.73 227° 14°
V.R.: 82% ϵ : 0.09 N:11 COMP:12

2024/09/20 14:13:43.0
IOTO ISLANDS REGION
Hypo.:23°33.6'N 142°22.7'E 154km



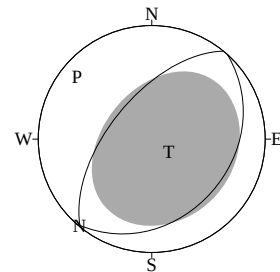
Cent.:23°25.1'N 142°29.8'E 107km $\Delta t = 1.3$
Mo: 7.68×10^{16} N·m Mw:5.2 Mj:5.5 (sec)
mrr:-5.54 mtt: 0.25 mff: 5.29
mrt:-2.06 mrf: 2.39 mtf:-5.06 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:338° 34° -76° P-axis:-6.27 24° 76°
NP2:141° 57° -99° T-axis: 9.09 238° 12°
N-axis:-2.82 146° 8°
V.R.: 70% ϵ : 0.31 N:47 COMP:69

2024/09/20 21:22:19.2
BUNGO CHANNEL
Hypo.:33°16.0'N 132°18.9'E 41km



Cent.:33°16.0'N 132°19.0'E 41km $\Delta t = 0.5$
Mo: 1.01×10^{16} N·m Mw:4.6 Mj:4.7 (sec)
mrr:-1.02 mtt: 0.09 mff: 0.93
mrt: 0.17 mrf: 0.18 mtf: 0.08 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:359° 40° -101° P-axis:-1.06 149° 81°
NP2:193° 51° -81° T-axis: 0.95 277° 6°
N-axis: 0.10 7° 7°
V.R.: 82% ϵ :-0.10 N:21 COMP:38

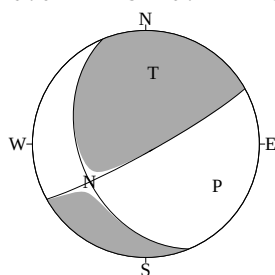
2024/09/24 08:14:16.8
NEAR TORISHIMA IS
Hypo.:31°29.0'N 140° 7.8'E 19km



Cent.:31°26.7'N 140° 7.0'E 10km $\Delta t = 9.3$
Mo: 3.90×10^{17} N·m Mw:5.7 Mj:5.8 (sec)
mrr: 4.00 mtt:-1.90 mff:-2.11
mrt:-1.16 mrf:-1.55 mtf:-0.77 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 42° 30° 92° P-axis:-3.30 310° 15°
NP2:219° 60° 89° T-axis: 4.50 126° 75°
N-axis:-1.20 220° 1°
V.R.: 80% ϵ : 0.27 N:32 COMP:66

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2024/09/26 16:01:10.3
 OFF NEMURO PENINSULA
 Hypo.: 42°46.6'N 145° 6.7'E 59km



Cent.: 42°50.1'N 145° 6.5'E 62km $\Delta t = 3.5$
 Mo: 1.90×10^{17} N·m Mw: 5.5 Mj: 5.7 (sec)
 mrr: 0.29 mtt: 0.83 mff: -1.11
 mrt: 1.31 mrf: 0.55 mtf: -0.75 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 61° 84° 130° P-axis: -1.90 120° 28°
 NP2: 158° 41° 9° T-axis: 1.90 6° 37°
 N-axis: 0.00 236° 40°
 V.R.: 87% ϵ : 0.02 N:15 COMP:37

EQUAL AREA PROJECTON, LOWER HEMISPHERE.