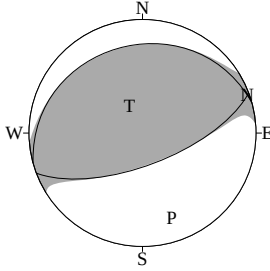


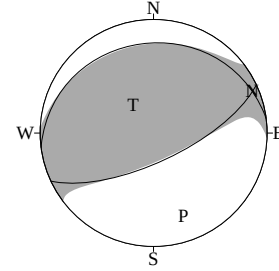
CMT SOLUTIONS FOR EARTHQUAKES IN MARCH, 2024

2024/03/01 05:43:16.6
KUJUKURI COAST BOSO PEN
Hypo.:35°26.1'N 140°33.0'E 31km



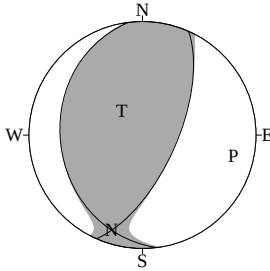
Cent.:35°32.4'N 140°32.7'E 39km $\Delta t = 7.5$
Mo: 7.00×10^{16} N·m Mw:5.2 Mj:5.3 (sec)
mrr: 4.91 mtt:-4.69 mff:-0.22
mrt: 4.49 mrf: 1.79 mtf:-1.64 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 69° 67° 88° P-axis:-7.15 161° 22°
NP2:255° 23° 95° T-axis: 6.85 335° 68°
N-axis: 0.30 70° 2°
V.R.: 74% ϵ :-0.04 N:43 COMP:85

2024/03/02 01:49: 4.2
KUJUKURI COAST BOSO PEN
Hypo.:35°18.9'N 140°20.8'E 26km



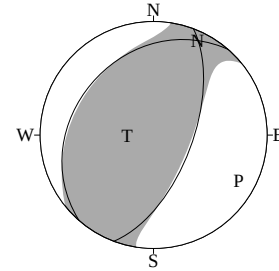
Cent.:35°17.2'N 140°21.1'E 29km $\Delta t = 1.5$
Mo: 2.94×10^{16} N·m Mw:4.9 Mj:5.0 (sec)
mrr: 1.82 mtt:-1.89 mff: 0.07
mrt: 1.95 mrf: 1.00 mtf:-0.67 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 65° 69° 84° P-axis:-3.06 160° 24°
NP2:263° 22° 107° T-axis: 2.82 324° 65°
N-axis: 0.24 67° 6°
V.R.: 74% ϵ :-0.08 N:32 COMP:47

2024/03/03 17:31:59.6
E OFF AOMORI PREF
Hypo.:41°12.0'N 142° 3.7'E 56km



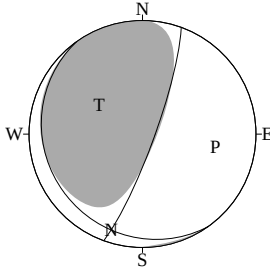
Cent.:41° 9.7'N 142° 4.3'E 56km $\Delta t = 0.9$
Mo: 3.09×10^{16} N·m Mw:4.9 Mj:4.8 (sec)
mrr: 2.23 mtt: 0.22 mff:-2.45
mrt: 1.05 mrf: 1.67 mtf:-0.43 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 24° 65° 104° P-axis:-3.14 103° 19°
NP2:173° 28° 62° T-axis: 3.04 320° 67°
N-axis: 0.10 198° 13°
V.R.: 80% ϵ :-0.03 N:28 COMP:50

2024/03/09 14:18:24.9
S OFF URAKAWA
Hypo.:41°55.8'N 142°20.7'E 71km



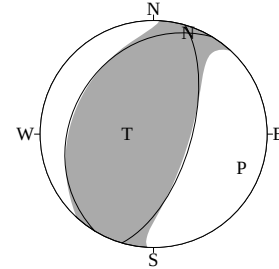
Cent.:41°53.4'N 142°21.0'E 71km $\Delta t = 0.9$
Mo: 1.63×10^{16} N·m Mw:4.7 Mj:4.6 (sec)
mrr: 1.25 mtt:-0.20 mff:-1.05
mrt: 0.23 mrf: 0.87 mtf:-0.73 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 20° 62° 80° P-axis:-1.73 118° 16°
NP2:221° 30° 108° T-axis: 1.54 268° 71°
N-axis: 0.18 25° 9°
V.R.: 74% ϵ :-0.11 N:20 COMP:28

2024/03/13 20:24:42.7
E OFF FUKUSHIMA PREF
Hypo.:37° 5.6'N 141° 7.8'E 51km



Cent.:37° 9.0'N 141° 8.1'E 50km $\Delta t = 0.5$
Mo: 1.05×10^{16} N·m Mw:4.6 Mj:4.7 (sec)
mrr: 0.35 mtt: 0.01 mff:-0.37
mrt: 0.40 mrf: 0.90 mtf: 0.12 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 20° 81° 102° P-axis:-1.00 100° 35°
NP2:145° 15° 36° T-axis: 1.11 304° 52°
N-axis: -0.11 198° 12°
V.R.: 72% ϵ : 0.10 N:29 COMP:46

2024/03/15 00:14:36.0
E OFF FUKUSHIMA PREF
Hypo.:37° 4.3'N 141° 9.8'E 50km

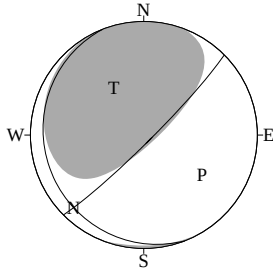


Cent.:37°12.1'N 141° 9.3'E 59km $\Delta t = 6.8$
Mo: 3.40×10^{17} N·m Mw:5.6 Mj:5.8 (sec)
mrr: 2.57 mtt:-0.12 mff:-2.45
mrt: 0.42 mrf: 1.91 mtf:-1.20 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 16° 63° 83° P-axis:-3.60 111° 18°
NP2:211° 28° 103° T-axis: 3.20 271° 71°
N-axis: 0.30 19° 6°
V.R.: 75% ϵ :-0.10 N:28 COMP:60

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

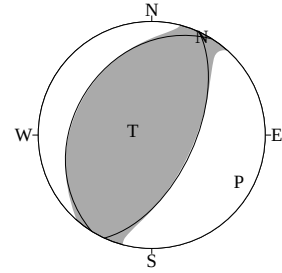
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf:Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG:Moment tensor component, azimuth and plunge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

2024/03/15 19:32:50.4
NEAR AMAMI-OSHIMA ISLAND
Hypo.:28°29.6'N 130°12.1'E 40km



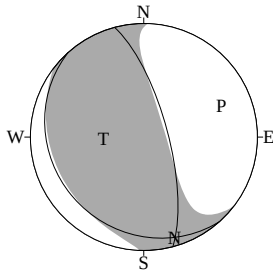
Cent.:28°41.7'N 130°11.1'E 19km $\Delta t = 8.1$
Mo: 4.20×10^{17} N·m Mw:5.7 Mj:5.6 (sec)
mrr: 1.10 mtt: 0.31 mff:-1.41
mrt: 3.10 mrf: 2.64 mtf: 0.15 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 45° 85° 102° P-axis:-3.80 124° 38°
NP2:159° 13° 24° T-axis: 4.60 328° 49°
N-axis:-0.80 224° 12°
V.R.: 63% ϵ : 0.16 N:21 COMP:50

2024/03/17 06:17: 4.2
E OFF FUKUSHIMA PREF
Hypo.:37° 9.3'N 141°26.8'E 44km



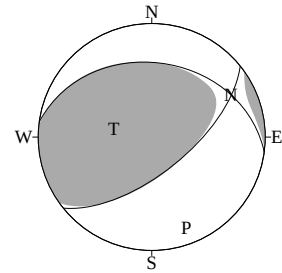
Cent.:37°12.0'N 141°26.5'E 52km $\Delta t = 6.7$
Mo: 1.30×10^{17} N·m Mw:5.3 Mj:5.4 (sec)
mrr: 1.10 mtt:-0.21 mff:-0.90
mrt: 0.22 mrf: 0.57 mtf:-0.52 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 25° 59° 86° P-axis:-1.30 118° 14°
NP2:212° 31° 96° T-axis: 1.30 284° 76°
N-axis: 0.10 27° 3°
V.R.: 80% ϵ :-0.05 N:38 COMP:92

2024/03/18 20:04:37.8
IOTO ISLANDS REGION
Hypo.:24° 2.1'N 143° 9.9'E 79km



Cent.:24° 6.4'N 143° 8.8'E 17km $\Delta t = -0.1$
Mo: 1.70×10^{17} N·m Mw:5.4 Mj:5.5 (sec)
mrr: 0.85 mtt: 0.04 mff:-0.89
mrt:-0.34 mrf: 1.36 mtf: 0.57 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:345° 73° 99° P-axis:-1.90 68° 27°
NP2:138° 19° 64° T-axis: 1.60 268° 61°
N-axis: 0.30 163° 8°
V.R.: 77% ϵ :-0.14 N:26 COMP:56

2024/03/21 09:08: 3.8
SW IBARAKI PREF
Hypo.:36° 2.9'N 139°53.2'E 46km



Cent.:35°58.9'N 139°53.3'E 51km $\Delta t = 2.1$
Mo: 8.21×10^{16} N·m Mw:5.2 Mj:5.3 (sec)
mrr: 5.94 mtt:-6.41 mff: 0.48
mrt: 2.65 mrf: 4.28 mtf:-1.95 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 51° 65° 66° P-axis:-7.99 159° 16°
NP2:278° 35° 131° T-axis: 8.42 282° 62°
N-axis:-0.43 62° 22°
V.R.: 82% ϵ : 0.05 N:14 COMP:26

EQUAL AREA PROJECTON, LOWER HEMISPHERE.