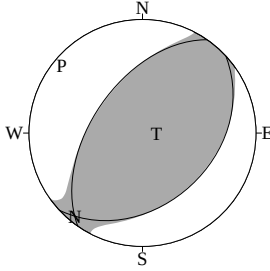


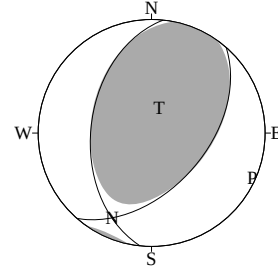
CMT SOLUTIONS FOR EARTHQUAKES IN JANUARY, 2024

2024/01/01 16:10:22.5
NOTO PENINSULA REGION
Hypo.:37°29.7'N 137°16.2'E 16km



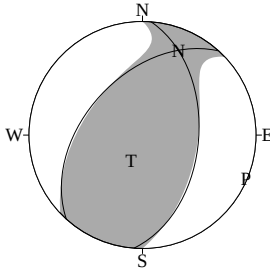
Cent.:37°29.2'N 137°15.6'E 15km $\Delta t=19.8$
Mo: 2.14×10^{20} N·m Mw:7.5 Mj:7.6 (sec)
mrr: 1.99 mtt:-0.83 mff:-1.15
mrt:-0.23 mrf:-0.60 mtf:-1.10 ($\times 10^{20}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 47° 37° 100° P-axis:-2.19 310° 8°
NP2:215° 54° 82° T-axis: 2.10 93° 80°
N-axis: 0.09 219° 6°
V.R.: 81% ϵ :-0.04 N:29 COMP:76

2024/01/02 04:27:14.4
OFF NOTO PENINSULA
Hypo.:37° 4.3'N 136°34.5'E 9km



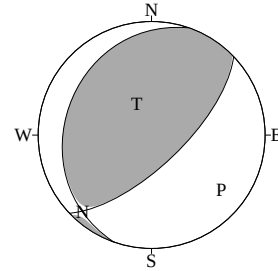
Cent.:37° 7.8'N 136°33.8'E 10km $\Delta t= 0.8$
Mo: 9.73×10^{15} N·m Mw:4.6 Mj:4.7 (sec)
mrr: 8.93 mtt:-1.11 mff:-7.82
mrt: 3.28 mrf:-0.58 mtf:-3.57 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 41° 50° 114° P-axis:-9.40 114° 3°
NP2:186° 45° 64° T-axis:10.06 17° 71°
N-axis:-0.66 205° 19°
V.R.: 74% ϵ : 0.07 N:18 COMP:24

2024/01/02 04:42: 7.4
OFF NOTO PENINSULA
Hypo.:37°15.4'N 136°40.6'E 12km



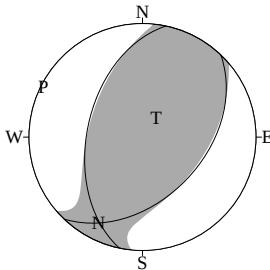
Cent.:37°23.7'N 136°40.5'E 12km $\Delta t= 1.3$
Mo: 1.34×10^{16} N·m Mw:4.7 Mj:4.9 (sec)
mrr: 1.14 mtt: 0.00 mff:-1.14
mrt:-0.33 mrf: 0.17 mtf:-0.60 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 4° 49° 63° P-axis:-1.40 113° 1°
NP2:222° 48° 117° T-axis: 1.28 204° 70°
N-axis: 0.12 23° 20°
V.R.: 77% ϵ :-0.09 N:27 COMP:42

2024/01/02 09:14:25.0
NOTO PENINSULA REGION
Hypo.:37°26.1'N 137°12.6'E 14km



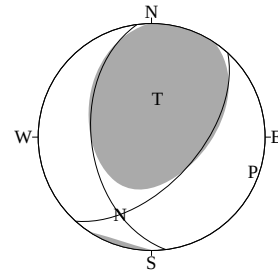
Cent.:37°26.1'N 137°12.2'E 14km $\Delta t= 0.5$
Mo: 6.28×10^{15} N·m Mw:4.5 Mj:4.5 (sec)
mrr: 4.24 mtt:-1.14 mff:-3.10
mrt: 3.56 mrf: 2.78 mtf:-2.13 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 46° 68° 101° P-axis:-6.26 128° 23°
NP2:199° 24° 65° T-axis: 6.30 335° 65°
N-axis:-0.04 222° 10°
V.R.: 72% ϵ : 0.01 N:19 COMP:27

2024/01/02 10:17:32.6
NOTO PENINSULA REGION
Hypo.:37°13.3'N 136°43.3'E 10km



Cent.:37°14.4'N 136°43.1'E 10km $\Delta t= 4.3$
Mo: 1.70×10^{17} N·m Mw:5.4 Mj:5.6 (sec)
mrr: 1.48 mtt:-0.15 mff:-1.32
mrt: 0.29 mrf:-0.29 mtf:-0.84 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 44° 45° 114° P-axis:-1.80 297° 2°
NP2:192° 49° 68° T-axis: 1.60 35° 73°
N-axis: 0.20 207° 16°
V.R.: 87% ϵ :-0.10 N:36 COMP:97

2024/01/02 17:13:40.8
OFF NOTO PENINSULA
Hypo.:37° 8.3'N 136°38.0'E 6km

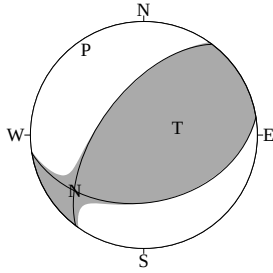


Cent.:37° 8.3'N 136°37.8'E 10km $\Delta t= 0.5$
Mo: 9.91×10^{15} N·m Mw:4.6 Mj:4.6 (sec)
mrr: 8.00 mtt: 0.10 mff:-8.10
mrt: 5.36 mrf:-0.10 mtf:-2.64 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 42° 56° 123° P-axis:-9.02 109° 6°
NP2:173° 46° 51° T-axis:10.80 9° 62°
N-axis:-1.78 202° 27°
V.R.: 75% ϵ : 0.17 N:39 COMP:68

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

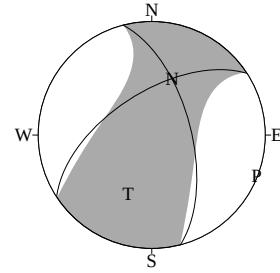
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrf,mtf:Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG:Moment tensor component, azimuth and plunge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

2024/01/03 02:21:48.0
NOTO PENINSULA REGION
Hypo.:37°28.9'N 137°18.2'E 12km



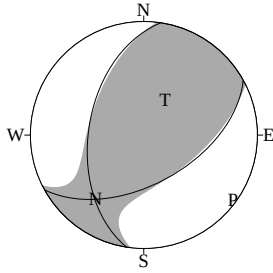
Cent.:37°37.2'N 137°18.0'E 10km $\Delta t = 1.4$
Mo: 2.65×10^{16} N·m Mw:4.9 Mj:4.9 (sec)
mrr: 2.07 mtt:-1.73 mff:-0.34
mrt:-0.20 mrf:-1.21 mtf:-1.35 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 81° 40° 127° P-axis:-2.69 326° 10°
NP2:217° 59° 63° T-axis: 2.60 78° 65°
N-axis: 0.09 231° 23°
V.R.: 90% ϵ :-0.03 N:12 COMP:31

2024/01/03 10:54:35.0
NOTO PENINSULA REGION
Hypo.:37°22.4'N 136°52.3'E 13km



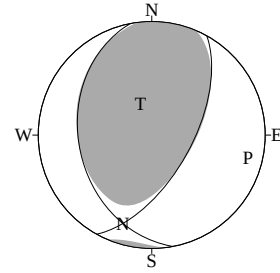
Cent.:37°22.6'N 136°52.3'E 10km $\Delta t = 4.6$
Mo: 1.20×10^{17} N·m Mw:5.3 Mj:5.6 (sec)
mrr: 0.67 mtt: 0.43 mff:-1.10
mrt:-0.27 mrf: 0.15 mtf:-0.69 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:345° 62° 35° P-axis:-1.40 111° 1°
NP2:237° 60° 147° T-axis: 1.00 202° 44°
N-axis: 0.40 20° 46°
V.R.: 87% ϵ :-0.28 N:37 COMP:81

2024/01/03 12:54:15.0
OFF S NIIGATA PREF
Hypo.:37°38.8'N 137°36.4'E 23km



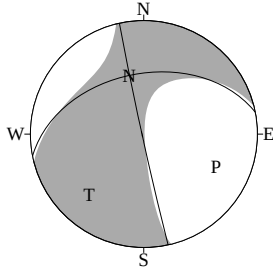
Cent.:37°37.6'N 137°36.6'E 19km $\Delta t = 4.9$
Mo: 2.92×10^{16} N·m Mw:4.9 Mj:5.0 (sec)
mrr: 2.15 mtt:-0.40 mff:-1.75
mrt: 0.98 mrf:-0.41 mtf:-1.88 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 61° 54° 127° P-axis:-3.09 126° 3°
NP2:188° 50° 50° T-axis: 2.75 31° 60°
N-axis: 0.34 217° 30°
V.R.: 86% ϵ :-0.11 N:49 COMP:89

2024/01/03 18:48: 0.7
NOTO PENINSULA REGION
Hypo.:37°19.3'N 136°48.2'E 12km



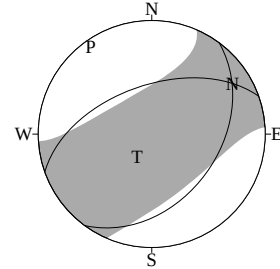
Cent.:37°24.6'N 136°47.7'E 10km $\Delta t = 0.8$
Mo: 1.39×10^{16} N·m Mw:4.7 Mj:4.8 (sec)
mrr: 1.12 mtt: 0.06 mff:-1.18
mrt: 0.60 mrf: 0.47 mtf:-0.18 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 29° 61° 112° P-axis:-1.34 103° 14°
NP2:169° 36° 55° T-axis: 1.44 340° 66°
N-axis:-0.10 198° 19°
V.R.: 88% ϵ : 0.07 N:14 COMP:28

2024/01/04 00:36:53.8
NOTO PENINSULA REGION
Hypo.:37°27.6'N 137° 7.6'E 11km



Cent.:37°34.0'N 137° 7.5'E 10km $\Delta t = 1.1$
Mo: 1.19×10^{16} N·m Mw:4.6 Mj:4.9 (sec)
mrr: 0.02 mtt: 0.40 mff:-0.41
mrt:-0.02 mrf: 0.85 mtf:-0.75 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:168° 89° -44° P-axis:-1.29 114° 31°
NP2:259° 46° -178° T-axis: 1.09 222° 29°
N-axis: 0.19 346° 46°
V.R.: 85% ϵ :-0.15 N:15 COMP:26

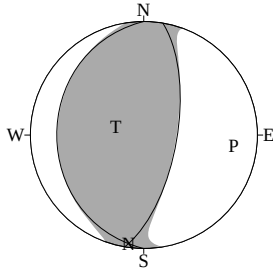
2024/01/04 04:38:42.4
SADOGASHIMA IS REG
Hypo.:37°49.4'N 137°50.6'E 19km



Cent.:37°57.4'N 137°50.9'E 10km $\Delta t = 1.2$
Mo: 1.54×10^{16} N·m Mw:4.7 Mj:4.9 (sec)
mrr: 1.12 mtt:-0.99 mff:-0.14
mrt:-0.41 mrf:-0.08 mtf:-1.18 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 37° 41° 63° P-axis:-1.86 325° 7°
NP2:250° 55° 111° T-axis: 1.22 213° 71°
N-axis: 0.64 58° 17°
V.R.: 80% ϵ :-0.34 N:15 COMP:31

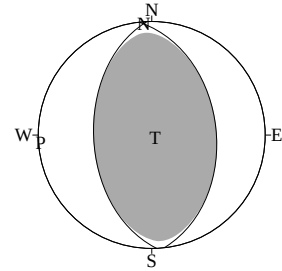
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2024/01/04 17:16:24.6
SADOGASHIMA IS REG
Hypo.:37°42.7'N 137°31.5'E 20km



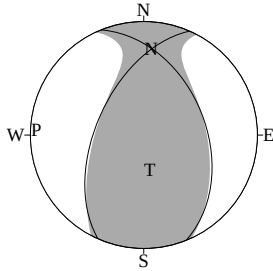
Cent.:37°41.8'N 137°31.7'E 13km $\Delta t = 4.5$
Mo: 3.44×10^{16} N·m Mw:5.0 Mj:5.0 (sec)
mrr: 2.47 mtt: 0.16 mff:-2.62
mrt: 0.47 mrf: 2.26 mtf:-0.25 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 10° 66° 94° P-axis: -3.52 97° 21°
NP2: 180° 24° 81° T-axis: 3.36 287° 69°
N-axis: 0.16 188° 4°
V.R.: 85% ϵ : -0.05 N:44 COMP:100

2024/01/06 01:59: 5.4
OFF NOTO PENINSULA
Hypo.:37°21.7'N 136°43.5'E 12km



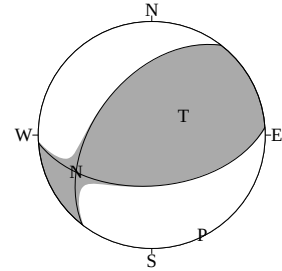
Cent.:37°21.7'N 136°42.6'E 12km $\Delta t = 0.5$
Mo: 6.27×10^{15} N·m Mw:4.5 Mj:4.6 (sec)
mrr: 6.32 mtt:-0.18 mff:-6.14
mrt:-0.17 mrf:-0.55 mtf: 0.46 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 354° 43° 87° P-axis: -6.20 266° 2°
NP2: 178° 47° 93° T-axis: 6.35 123° 87°
N-axis: -0.15 356° 2°
V.R.: 73% ϵ : 0.02 N:26 COMP:43

2024/01/06 05:26:51.6
NOTO PENINSULA REGION
Hypo.:37°13.0'N 136°49.9'E 12km



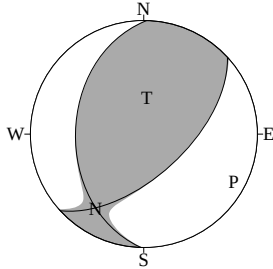
Cent.:37°12.0'N 136°49.9'E 10km $\Delta t = 4.1$
Mo: 6.32×10^{16} N·m Mw:5.1 Mj:5.4 (sec)
mrr: 4.93 mtt: 1.62 mff:-6.55
mrt:-2.04 mrf:-1.08 mtf:-0.19 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 338° 45° 54° P-axis: -6.67 273° 6°
NP2: 204° 55° 120° T-axis: 5.97 170° 65°
N-axis: 0.70 5° 25°
V.R.: 89% ϵ : -0.11 N:40 COMP:98

2024/01/07 14:37:59.2
NOTO PENINSULA REGION
Hypo.:37°27.2'N 137°16.8'E 14km



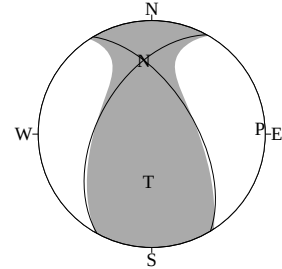
Cent.:37°32.6'N 137°16.0'E 14km $\Delta t = 0.9$
Mo: 8.40×10^{15} N·m Mw:4.5 Mj:4.6 (sec)
mrr: 6.64 mtt:-6.20 mff:-0.44
mrt: 2.04 mrf:-2.56 mtf:-4.30 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 86° 53° 124° P-axis: -8.53 153° 2°
NP2: 218° 49° 53° T-axis: 8.27 58° 63°
N-axis: 0.25 244° 27°
V.R.: 75% ϵ : -0.03 N:19 COMP:26

2024/01/07 15:26:56.7
NOTO PENINSULA REGION
Hypo.:37°12.7'N 136°43.1'E 11km



Cent.:37°12.7'N 136°42.3'E 11km $\Delta t = 0.5$
Mo: 6.05×10^{15} N·m Mw:4.5 Mj:4.5 (sec)
mrr: 4.60 mtt:-0.06 mff:-4.53
mrt: 2.87 mrf: 0.86 mtf:-2.60 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 47° 60° 117° P-axis: -6.12 118° 11°
NP2: 181° 40° 51° T-axis: 5.98 5° 64°
N-axis: 0.14 213° 23°
V.R.: 78% ϵ : -0.02 N:15 COMP:21

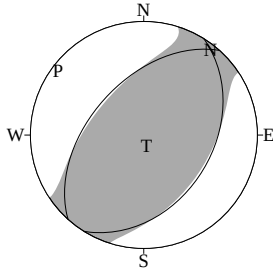
2024/01/07 21:38:19.4
NOTO PENINSULA REGION
Hypo.:37°10.7'N 136°48.8'E 12km



Cent.:37°10.8'N 136°48.4'E 12km $\Delta t = 0.5$
Mo: 7.35×10^{15} N·m Mw:4.5 Mj:4.7 (sec)
mrr: 4.84 mtt: 2.94 mff:-7.78
mrt:-2.75 mrf: 0.95 mtf: 0.30 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 329° 59° 48° P-axis: -7.87 87° 5°
NP2: 209° 50° 138° T-axis: 6.82 184° 55°
N-axis: 1.05 354° 35°
V.R.: 75% ϵ : -0.13 N:22 COMP:33

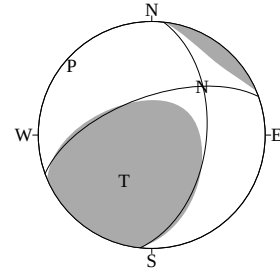
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2024/01/09 17:59:11.4
SADOGASHIMA IS REG
Hypo.:37°54.6'N 137°45.8'E 27km



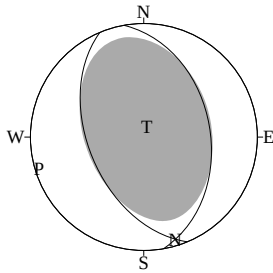
Cent.:37°51.4'N 137°46.5'E 13km $\Delta t = 8.2$
Mo: $9.20 \times 10^{17} \text{N} \cdot \text{m}$ Mw:5.9 Mj:6.1 (sec)
mrr: 8.35 mtt:-2.70 mff:-5.65
mrt:-1.66 mrf:-1.14 mtf:-5.16 ($\times 10^{17} \text{N} \cdot \text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 32° 39° 82° P-axis:-9.70 307° 6°
NP2:222° 51° 96° T-axis: 8.60 166° 82°
N-axis: 1.10 38° 5°
V.R.: 77% ϵ :-0.12 N:31 COMP:78

2024/01/14 00:10:57.6
NEAR TORISHIMA IS
Hypo.:29°31.9'N 141°47.8'E 48km



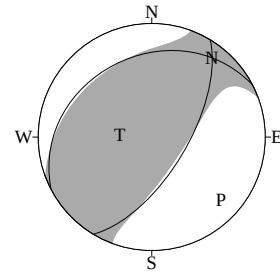
Cent.:29°33.8'N 141°55.2'E 70km $\Delta t = 0.5$
Mo: $1.05 \times 10^{16} \text{N} \cdot \text{m}$ Mw:4.6 Mj:5.2 (sec)
mrr: 0.61 mtt:-0.13 mff:-0.48
mrt:-0.62 mrf: 0.27 mtf:-0.60 ($\times 10^{16} \text{N} \cdot \text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 6° 50° 37° P-axis:-0.96 311° 7°
NP2:250° 63° 134° T-axis: 1.15 211° 51°
N-axis:-0.20 46° 38°
V.R.: 79% ϵ : 0.17 N:10 COMP:14

2024/01/16 18:42:15.8
NOTO PENINSULA REGION
Hypo.:37°11.1'N 136°45.1'E 3km



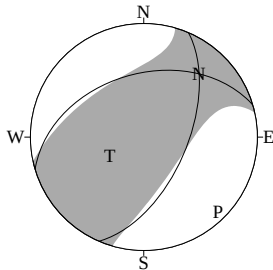
Cent.:37° 7.3'N 136°45.3'E 10km $\Delta t = 4.0$
Mo: $1.39 \times 10^{16} \text{N} \cdot \text{m}$ Mw:4.7 Mj:4.8 (sec)
mrr: 1.43 mtt:-0.22 mff:-1.20
mrt: 0.23 mrf:-0.15 mtf: 0.31 ($\times 10^{16} \text{N} \cdot \text{m}$)
STR DIP SLIP MOM AZM PLG
NP1:350° 41° 100° P-axis:-1.31 253° 4°
NP2:157° 50° 82° T-axis: 1.46 17° 82°
N-axis:-0.15 163° 6°
V.R.: 86% ϵ : 0.10 N:50 COMP:91

2024/01/24 06:33:49.7
OFF NEMURO PENINSULA
Hypo.:42°28.8'N 145° 2.2'E 25km



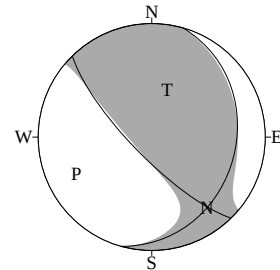
Cent.:42°23.1'N 145° 2.3'E 34km $\Delta t = 2.8$
Mo: $5.16 \times 10^{16} \text{N} \cdot \text{m}$ Mw:5.1 Mj:5.1 (sec)
mrr: 3.54 mtt:-1.78 mff:-1.76
mrt: 1.36 mrf: 2.87 mtf:-2.76 ($\times 10^{16} \text{N} \cdot \text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 31° 65° 75° P-axis:-5.54 132° 19°
NP2:243° 29° 118° T-axis: 4.80 274° 67°
N-axis: 0.74 37° 13°
V.R.: 83% ϵ :-0.13 N:17 COMP:38

2024/01/25 13:29:47.2
OFF NEMURO PENINSULA
Hypo.:43° 9.3'N 145°47.4'E 46km



Cent.:43° 1.5'N 145°47.9'E 54km $\Delta t = 0.9$
Mo: $3.25 \times 10^{16} \text{N} \cdot \text{m}$ Mw:4.9 Mj:4.8 (sec)
mrr: 2.29 mtt:-1.30 mff:-0.99
mrt: 0.06 mrf: 1.18 mtf:-2.40 ($\times 10^{16} \text{N} \cdot \text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 23° 59° 58° P-axis:-3.68 135° 8°
NP2:253° 44° 131° T-axis: 2.83 241° 62°
N-axis: 0.85 41° 27°
V.R.: 87% ϵ :-0.23 N:7 COMP:10

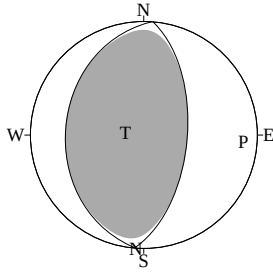
2024/01/26 21:46:15.5
NEAR TORISHIMA IS
Hypo.:29°12.1'N 141°52.9'E 46km



Cent.:29°14.5'N 141°55.4'E 37km $\Delta t = 2.0$
Mo: $1.40 \times 10^{17} \text{N} \cdot \text{m}$ Mw:5.4 Mj:5.6 (sec)
mrr: 0.57 mtt: 0.28 mff:-0.85
mrt: 0.84 mrf:-0.78 mtf: 0.39 ($\times 10^{17} \text{N} \cdot \text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 16° 27° 147° P-axis:-1.50 244° 27°
NP2:136° 76° 67° T-axis: 1.30 18° 54°
N-axis: 0.10 142° 22°
V.R.: 85% ϵ :-0.10 N:13 COMP:21

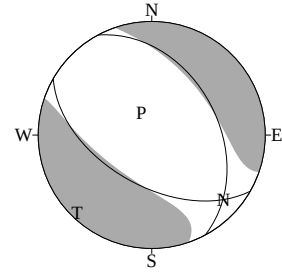
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2024/01/28 08:59:29.1
CENTRAL CHIBA PREF
Hypo.:35°38.2'N 140° 1.1'E 73km



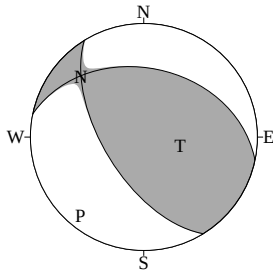
Cent.:35°32.3'N 140° 1.8'E 74km $\Delta t = 1.0$
Mo: 2.37×10^{16} N·m Mw:4.8 Mj:4.7 (sec)
mrr: 2.14 mtt:-0.07 mff:-2.07
mrt: 0.10 mrf: 1.07 mtf:-0.15 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 5° 58° 90° P-axis:-2.34 94° 13°
NP2:184° 32° 89° T-axis: 2.40 276° 77°
N-axis:-0.06 184° 0°
V.R.: 83% ϵ : 0.02 N:15 COMP:30

2024/01/29 03:11:22.0
TAIWAN REGION
Hypo.:23°38.8'N 121°19.2'E 0km



Cent.:23°39.6'N 121°18.8'E 10km $\Delta t = 2.4$
Mo: 3.54×10^{16} N·m Mw:5.0 Mj:5.1 (sec)
mrr:-2.90 mtt: 1.45 mff: 1.46
mrt:-1.01 mrf: 0.05 mtf:-2.37 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:120° 53°-111° P-axis:-3.18 335° 72°
NP2:332° 41° -65° T-axis: 3.90 224° 6°
N-axis:-0.72 132° 16°
V.R.: 78% ϵ : 0.18 N:7 COMP:13

2024/01/30 05:03: 5.4
NEAR CHOSHI CITY
Hypo.:35°25.2'N 141°10.4'E 18km



Cent.:35°30.5'N 141°10.9'E 23km $\Delta t = 0.4$
Mo: 9.08×10^{15} N·m Mw:4.6 Mj:4.7 (sec)
mrr: 6.82 mtt:-5.12 mff:-1.70
mrt: 0.55 mrf:-4.65 mtf: 4.77 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:148° 61° 117° P-axis:-9.13 219° 12°
NP2:282° 39° 50° T-axis: 9.03 104° 63°
N-axis: 0.11 314° 24°
V.R.: 66% ϵ :-0.01 N:32 COMP:60

EQUAL AREA PROJECTON, LOWER HEMISPHERE.