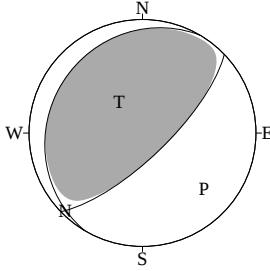


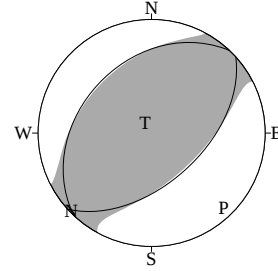
CMT SOLUTIONS FOR EARTHQUAKES IN MAY, 2023

2023/05/01 12:22:10.0
NEAR OKINAWAJIMA ISLAND
Hypo.:26° 2.9'N 128°44.1'E 18km



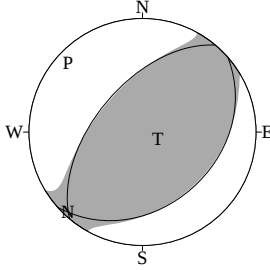
Cent.:25°48.3'N 128°45.2'E 13km $\Delta t = 6.0$
Mo: 7.30×10^{17} N·m Mw:5.8 Mj:6.4 (sec)
mrr: 4.20 mtt:-1.61 mff:-2.59
mrt: 4.46 mrf: 4.01 mtf:-1.91 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 46° 73° 95° P-axis:-7.20 132° 28°
NP2:211° 18° 75° T-axis: 7.40 323° 62°
N-axis:-0.20 225° 4°
V.R.: 72% ϵ : 0.03 N:29 COMP:57

2023/05/01 16:59:40.9
NEAR OKINAWAJIMA ISLAND
Hypo.:26° 3.1'N 128°40.4'E 30km



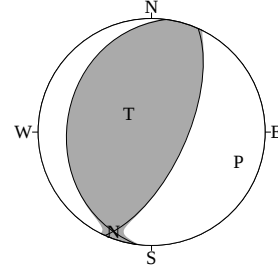
Cent.:25°54.5'N 128°40.1'E 21km $\Delta t = 7.2$
Mo: 1.10×10^{17} N·m Mw:5.3 Mj:5.3 (sec)
mrr: 0.99 mtt:-0.51 mff:-0.48
mrt: 0.26 mrf: 0.20 mtf:-0.60 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 48° 54° 93° P-axis:-1.10 136° 9°
NP2:223° 36° 86° T-axis: 1.00 330° 81°
N-axis: 0.10 226° 2°
V.R.: 66% ϵ :-0.09 N:13 COMP:26

2023/05/05 14:42: 4.1
NOTO PENINSULA REGION
Hypo.:37°32.3'N 137°18.2'E 12km



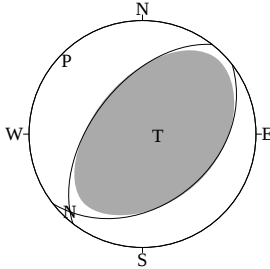
Cent.:37°37.2'N 137°17.6'E 10km $\Delta t = 6.0$
Mo: 2.91×10^{18} N·m Mw:6.2 Mj:6.5 (sec)
mrr: 2.60 mtt:-1.25 mff:-1.34
mrt:-0.61 mrf:-0.91 mtf:-1.50 ($\times 10^{18}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 49° 34° 97° P-axis:-3.01 313° 11°
NP2:220° 56° 85° T-axis: 2.82 113° 78°
N-axis: 0.19 223° 4°
V.R.: 86% ϵ :-0.06 N:15 COMP:43

2023/05/05 21:24:52.9
E OFF IWATE PREF
Hypo.:39°20.0'N 142° 5.0'E 48km



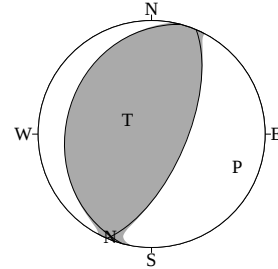
Cent.:39°20.0'N 142° 5.1'E 48km $\Delta t = 0.5$
Mo: 8.16×10^{15} N·m Mw:4.5 Mj:4.5 (sec)
mrr: 6.17 mtt:-0.27 mff:-5.90
mrt: 2.52 mrf: 4.55 mtf:-1.75 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 24° 65° 97° P-axis:-8.21 109° 20°
NP2:187° 26° 75° T-axis: 8.11 309° 69°
N-axis: 0.10 201° 7°
V.R.: 76% ϵ :-0.01 N:14 COMP:22

2023/05/05 21:58: 4.1
NOTO PENINSULA REGION
Hypo.:37°31.5'N 137°14.1'E 14km



Cent.:37°32.7'N 137°13.9'E 12km $\Delta t = 6.0$
Mo: 4.80×10^{17} N·m Mw:5.7 Mj:5.9 (sec)
mrr: 4.69 mtt:-2.36 mff:-2.32
mrt:-0.50 mrf:-1.44 mtf:-2.09 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 52° 37° 102° P-axis:-4.60 314° 8°
NP2:218° 54° 81° T-axis: 5.00 94° 79°
N-axis:-0.30 223° 7°
V.R.: 88% ϵ : 0.07 N:15 COMP:40

2023/05/06 02:47:16.2
E OFF AOMORI PREF
Hypo.:41°28.4'N 142° 5.1'E 56km

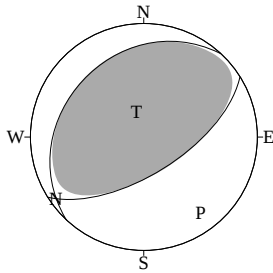


Cent.:41°28.2'N 142° 5.5'E 53km $\Delta t = 4.3$
Mo: 1.06×10^{18} N·m Mw:5.9 Mj:5.7 (sec)
mrr: 0.80 mtt:-0.07 mff:-0.73
mrt: 0.29 mrf: 0.61 mtf:-0.26 ($\times 10^{18}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 24° 65° 94° P-axis:-1.07 111° 20°
NP2:195° 25° 83° T-axis: 1.05 301° 70°
N-axis: 0.02 202° 3°
V.R.: 75% ϵ :-0.02 N:33 COMP:81

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

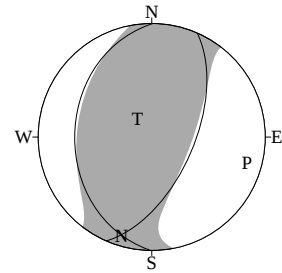
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf:Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG:Moment tensor component, azimuth and plunge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

2023/05/09 05:14:19.4
NOTO PENINSULA REGION
Hypo.:37°31.2'N 137°18.6'E 15km



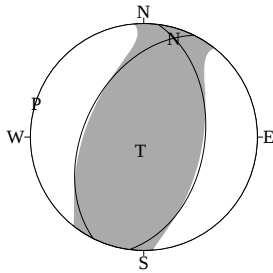
Cent.:37°31.2'N 137°18.0'E 15km $\Delta t = 0.5$
Mo: 1.03×10^{16} N·m Mw:4.6 Mj:4.7 (sec)
mrr: 0.84 mtt:-0.49 mff:-0.35
mrt: 0.55 mrf: 0.27 mtf:-0.39 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 58° 63° 97° P-axis:-1.01 143° 18°
NP2:223° 28° 76° T-axis: 1.05 344° 71°
N-axis:-0.04 235° 6°
V.R.: 77% ϵ : 0.04 N:27 COMP:44

2023/05/10 07:14:39.0
OFF NOTO PENINSULA
Hypo.:37°36.0'N 137°17.1'E 12km



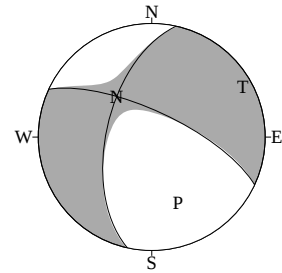
Cent.:37°42.7'N 137°16.9'E 11km $\Delta t = 1.3$
Mo: 2.37×10^{16} N·m Mw:4.8 Mj:4.9 (sec)
mrr: 1.83 mtt: 0.33 mff:-2.16
mrt: 0.58 mrf: 0.97 mtf:-0.62 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 24° 60° 102° P-axis:-2.58 105° 14°
NP2:181° 32° 70° T-axis: 2.16 323° 73°
N-axis: 0.42 197° 10°
V.R.: 84% ϵ :-0.16 N:45 COMP:92

2023/05/10 21:54:47.9
OFF NOTO PENINSULA
Hypo.:37°39.1'N 137°17.3'E 13km



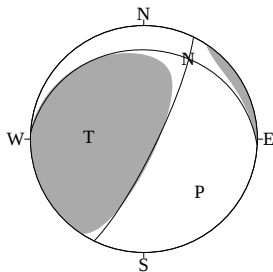
Cent.:37°42.5'N 137°17.2'E 10km $\Delta t = 3.1$
Mo: 2.21×10^{16} N·m Mw:4.8 Mj:5.0 (sec)
mrr: 2.01 mtt: 0.14 mff:-2.14
mrt:-0.29 mrf: 0.03 mtf:-0.76 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 7° 45° 76° P-axis:-2.37 287° 1°
NP2:206° 46° 103° T-axis: 2.06 193° 80°
N-axis: 0.32 17° 10°
V.R.: 83% ϵ :-0.13 N:40 COMP:94

2023/05/11 18:52:44.5
HIDAKA MOUNTAINS REGION
Hypo.:42°22.4'N 143° 0.4'E 55km



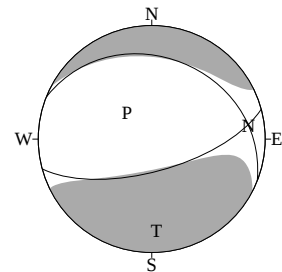
Cent.:42°18.7'N 143° 0.4'E 53km $\Delta t = 2.8$
Mo: 8.99×10^{16} N·m Mw:5.2 Mj:5.5 (sec)
mrr:-2.91 mtt:-2.86 mff: 5.77
mrt: 5.00 mrf: 0.61 mtf:-5.54 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:295° 72°-145° P-axis:-9.23 158° 38°
NP2:192° 57° -22° T-axis: 8.74 61° 9°
N-axis: 0.49 319° 51°
V.R.: 82% ϵ :-0.05 N:28 COMP:72

2023/05/11 22:33:15.1
NEAR MIYAKOJIMA ISLAND
Hypo.:24°13.6'N 125°14.7'E 33km



Cent.:23°55.6'N 125°14.8'E 26km $\Delta t = 4.9$
Mo: 7.40×10^{17} N·m Mw:5.8 Mj:5.9 (sec)
mrr: 2.40 mtt:-2.79 mff: 0.38
mrt: 2.21 mrf: 6.27 mtf:-2.01 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 26° 81° 70° P-axis:-7.00 133° 33°
NP2:273° 22° 155° T-axis: 7.80 273° 50°
N-axis:-0.70 29° 20°
V.R.: 69% ϵ : 0.09 N:20 COMP:47

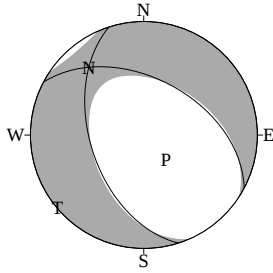
2023/05/13 16:10:27.7
NEAR TOKARA ISLANDS
Hypo.:29°55.6'N 130° 0.9'E 12km



Cent.:29°45.6'N 130° 2.2'E 12km $\Delta t = 2.7$
Mo: 1.10×10^{17} N·m Mw:5.3 Mj:5.1 (sec)
mrr:-0.68 mtt: 0.90 mff:-0.23
mrt:-0.65 mrf:-0.24 mtf:-0.02 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 75° 67°-107° P-axis:-1.00 317° 64°
NP2:292° 28° -56° T-axis: 1.10 177° 20°
N-axis:-0.20 82° 15°
V.R.: 87% ϵ : 0.14 N:35 COMP:87

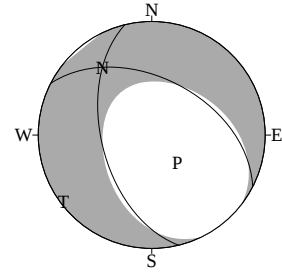
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2023/05/14 17:11:56.3
NEAR HACHIJOJIMA ISLAND
Hypo.:33°22.0'N 139°18.7'E 17km



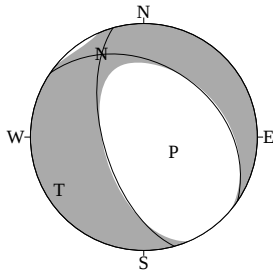
Cent.:33°30.9'N 139°19.2'E 10km $\Delta t = 7.5$
Mo: 1.70×10^{17} N·m Mw:5.4 Mj:5.6 (sec)
mrr:-1.50 mtt: 0.60 mff: 0.90
mrt: 0.54 mrf: 0.54 mtf:-0.88 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:298° 49° -123° P-axis:-1.80 138° 66°
NP2:162° 51° -58° T-axis: 1.60 230° 1°
N-axis: 0.20 321° 24°
V.R.: 86% ϵ :-0.11 N:38 COMP:96

2023/05/14 17:21:41.1
NEAR HACHIJOJIMA ISLAND
Hypo.:33°20.9'N 139°16.7'E 12km



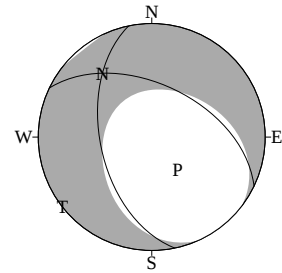
Cent.:33°34.0'N 139°16.6'E 10km $\Delta t = 10.8$
Mo: 5.00×10^{17} N·m Mw:5.7 Mj:5.9 (sec)
mrr:-4.14 mtt: 1.59 mff: 2.55
mrt: 1.91 mrf: 1.96 mtf:-2.25 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:297° 49° -127° P-axis:-5.50 137° 63°
NP2:166° 53° -56° T-axis: 4.40 233° 3°
N-axis: 1.20 324° 27°
V.R.: 78% ϵ :-0.21 N:32 COMP:80

2023/05/14 17:44:10.8
NEAR HACHIJOJIMA ISLAND
Hypo.:33°21.0'N 139°20.9'E 16km



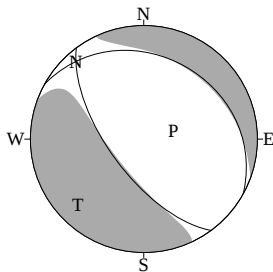
Cent.:33°31.7'N 139°21.0'E 10km $\Delta t = 7.1$
Mo: 3.98×10^{16} N·m Mw:5.0 Mj:5.1 (sec)
mrr:-3.27 mtt: 1.12 mff: 2.15
mrt: 0.34 mrf: 2.13 mtf:-1.76 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:304° 36° -124° P-axis:-4.16 116° 66°
NP2:164° 61° -68° T-axis: 3.81 238° 13°
N-axis: 0.35 333° 19°
V.R.: 83% ϵ :-0.08 N:39 COMP:76

2023/05/14 19:11:34.5
NEAR HACHIJOJIMA ISLAND
Hypo.:33°25.2'N 139°17.0'E 19km



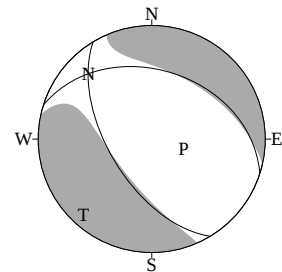
Cent.:33°31.5'N 139°17.1'E 10km $\Delta t = 8.0$
Mo: 3.90×10^{17} N·m Mw:5.7 Mj:5.9 (sec)
mrr:-3.08 mtt: 1.13 mff: 1.95
mrt: 1.88 mrf: 1.52 mtf:-1.69 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:296° 52° -129° P-axis:-4.40 141° 60°
NP2:168° 52° -51° T-axis: 3.30 232° 0°
N-axis: 1.20 322° 30°
V.R.: 78% ϵ :-0.26 N:32 COMP:81

2023/05/14 22:55:57.1
NEAR HACHIJOJIMA ISLAND
Hypo.:33°19.9'N 139°21.2'E 20km



Cent.:33°14.1'N 139°23.6'E 10km $\Delta t = 1.2$
Mo: 4.24×10^{16} N·m Mw:5.0 Mj:4.9 (sec)
mrr:-2.96 mtt: 1.67 mff: 1.30
mrt:-1.41 mrf: 2.28 mtf:-2.08 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:144° 65° -79° P-axis:-4.00 75° 68°
NP2:299° 27° -112° T-axis: 4.48 225° 19°
N-axis:-0.48 319° 10°
V.R.: 41% ϵ : 0.11 N:41 COMP:91

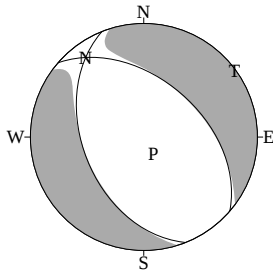
2023/05/14 23:03:30.6
NEAR HACHIJOJIMA ISLAND
Hypo.:33°20.1'N 139°18.8'E 16km



Cent.:33°28.8'N 139°19.3'E 10km $\Delta t = 7.1$
Mo: 8.02×10^{16} N·m Mw:5.2 Mj:5.5 (sec)
mrr:-6.07 mtt: 4.01 mff: 2.05
mrt:-0.73 mrf: 3.33 mtf:-5.04 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:149° 59° -66° P-axis:-7.37 106° 66°
NP2:288° 39° -124° T-axis: 8.67 222° 11°
N-axis:-1.30 316° 21°
V.R.: 81% ϵ : 0.15 N:43 COMP:96

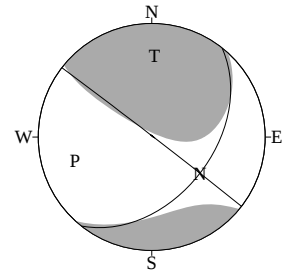
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2023/05/15 01:22:53.7
NEAR HACHIJOJIMA ISLAND
Hypo.:33°27.0'N 139°19.0'E 24km



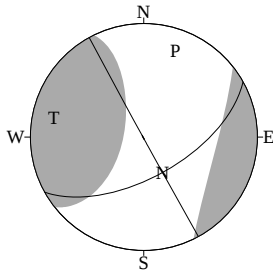
Cent.:33°33.4'N 139°18.9'E 11km $\Delta t = 5.9$
Mo: 4.80×10^{16} N·m Mw:5.1 Mj:5.2 (sec)
mrr:-4.40 mtt: 1.31 mff: 3.09
mrt: 0.99 mrf: 0.42 mtf:-2.58 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:311° 48° -109° P-axis:-4.67 150° 76°
NP2:158° 45° -70° T-axis: 4.93 54° 1°
N-axis:-0.26 324° 14°
V.R.: 86% ϵ : 0.05 N:39 COMP:99

2023/05/15 07:00:13.8
NEAR ETOROFU ISLAND
Hypo.:44°54.8'N 148°30.6'E 144km



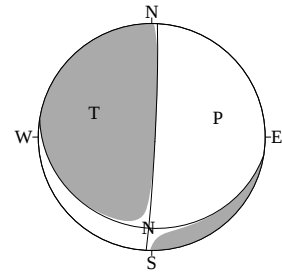
Cent.:44°59.9'N 148°32.6'E 146km $\Delta t = 0.8$
Mo: 3.73×10^{16} N·m Mw:5.0 Mj:5.0 (sec)
mrr:-0.27 mtt: 2.81 mff:-2.54
mrt: 2.37 mrf:-1.17 mtf: 0.39 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 38° 46° -179° P-axis:-3.36 253° 30°
NP2:308° 89° -44° T-axis: 4.11 2° 29°
N-axis:-0.75 127° 46°
V.R.: 77% ϵ : 0.18 N:14 COMP:24

2023/05/19 06:56:27.2
BUNGO CHANNEL
Hypo.:33°14.3'N 132°13.3'E 46km



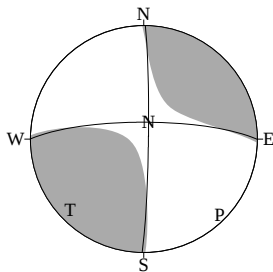
Cent.:33°14.2'N 132°13.1'E 46km $\Delta t = 0.5$
Mo: 7.36×10^{15} N·m Mw:4.5 Mj:4.5 (sec)
mrr:-2.74 mtt:-4.49 mff: 7.23
mrt: 0.56 mrf: 4.33 mtf: 2.83 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 61° 61° -1° P-axis:-5.30 20° 20°
NP2:151° 89° -151° T-axis: 9.43 282° 20°
N-axis:-4.14 152° 61°
V.R.: 78% ϵ : 0.44 N:29 COMP:48

2023/05/22 07:20: 5.6
NEAR TOKARA ISLANDS
Hypo.:29°44.8'N 129°27.1'E 191km



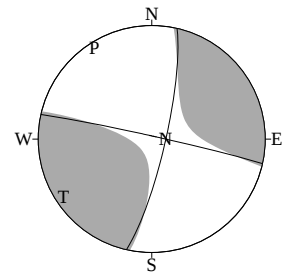
Cent.:29°46.2'N 129°27.1'E 186km $\Delta t = 3.3$
Mo: 2.50×10^{17} N·m Mw:5.5 Mj:5.4 (sec)
mrr: 0.22 mtt: 0.03 mff:-0.25
mrt: 0.19 mrf: 2.36 mtf: 0.89 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 3° 88° 111° P-axis:-2.50 74° 39°
NP2: 99° 21° 7° T-axis: 2.60 293° 44°
N-axis:-0.10 182° 21°
V.R.: 82% ϵ : 0.03 N:31 COMP:66

2023/05/22 16:42:41.2
NEAR NIIJIMA ISLAND
Hypo.:34°28.5'N 139°13.0'E 11km



Cent.:34°26.1'N 139°13.1'E 10km $\Delta t = 3.4$
Mo: 6.46×10^{16} N·m Mw:5.1 Mj:5.3 (sec)
mrr:-0.57 mtt: 0.17 mff: 0.40
mrt:-0.59 mrf: 1.42 mtf:-6.29 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 1° 87° 12° P-axis:-6.07 135° 6°
NP2:270° 78° 177° T-axis: 6.85 226° 11°
N-axis:-0.78 16° 77°
V.R.: 88% ϵ : 0.11 N:24 COMP:48

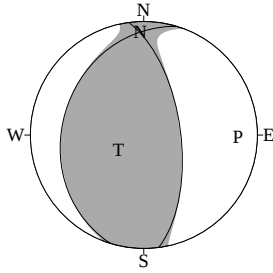
2023/05/22 19:46:26.1
NEAR NIIJIMA ISLAND
Hypo.:34°27.9'N 139°14.6'E 11km



Cent.:34°25.0'N 139°14.7'E 10km $\Delta t = 3.4$
Mo: 3.04×10^{16} N·m Mw:4.9 Mj:5.1 (sec)
mrr:-0.31 mtt:-1.12 mff: 1.43
mrt:-0.48 mrf: 0.32 mtf:-2.70 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 13° 80° 2° P-axis:-2.86 328° 5°
NP2:283° 88° 170° T-axis: 3.22 237° 8°
N-axis:-0.36 90° 80°
V.R.: 86% ϵ : 0.11 N:24 COMP:51

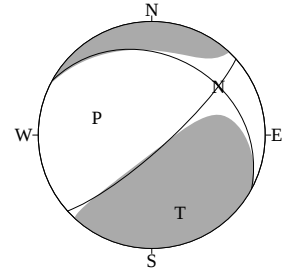
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2023/05/26 19:03:23.9
NEAR CHOSHI CITY
Hypo.:35°38.4'N 140°40.3'E 50km



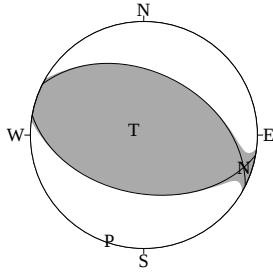
Cent.:35°45.0'N 140°39.4'E 43km $\Delta t = 9.6$
Mo: 2.40×10^{18} N·m Mw:6.2 Mj:6.2 (sec)
mrr: 1.84 mtt: 0.17 mff:-2.01
mrt:-0.37 mrf: 1.37 mtf:-0.16 ($\times 10^{18}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:352° 63° 78° P-axis:-2.45 91° 18°
NP2:197° 29° 112° T-axis: 2.35 239° 69°
N-axis: 0.10 358° 10°
V.R.: 75% ϵ :-0.04 N:32 COMP:72

2023/05/27 22:52:12.3
NEAR TOKARA ISLANDS
Hypo.:29°56.6'N 129°58.2'E 12km



Cent.:29°45.6'N 129°58.9'E 11km $\Delta t = 1.8$
Mo: 2.53×10^{16} N·m Mw:4.9 Mj:4.6 (sec)
mrr:-0.77 mtt: 1.66 mff:-0.89
mrt:-1.50 mrf:-1.39 mtf: 0.47 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 48° 79°-118° P-axis:-2.36 288° 48°
NP2:299° 30° -22° T-axis: 2.69 160° 28°
N-axis:-0.33 54° 28°
V.R.: 82% ϵ : 0.12 N:31 COMP:56

2023/05/30 09:52: 9.5
IOTO ISLANDS REGION
Hypo.:24° 2.6'N 143°15.8'E 97km



Cent.:23°57.3'N 143°15.1'E 12km $\Delta t = 2.4$
Mo: 5.10×10^{17} N·m Mw:5.7 Mj:6.5 (sec)
mrr: 4.98 mtt:-4.65 mff:-0.33
mrt: 0.49 mrf: 0.58 mtf: 1.62 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:100° 47° 79° P-axis:-5.20 198° 2°
NP2:297° 44° 102° T-axis: 5.10 299° 82°
N-axis: 0.10 108° 8°
V.R.: 80% ϵ :-0.02 N:22 COMP:48

EQUAL AREA PROJECTON, LOWER HEMISPHERE.