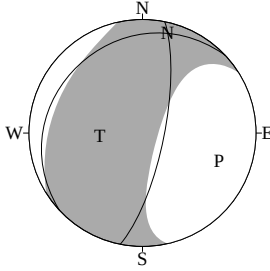


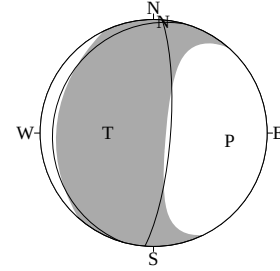
CMT SOLUTIONS FOR EARTHQUAKES IN NOVEMBER, 2024

2024/11/01 23:16:50.9
NEAR CHOSHI CITY
Hypo.:35°54.1'N 140°51.1'E 40km



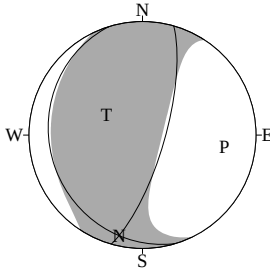
Cent.:35°56.7'N 140°51.4'E 40km $\Delta t = 0.6$
Mo: 1.12×10^{16} N·m Mw:4.6 Mj:4.6 (sec)
mrr: 0.39 mtt: 0.23 mff:-0.63
mrt: 0.23 mrf: 0.91 mtf:-0.43 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 11° 75° 79° P-axis:-1.31 110° 29°
NP2:226° 19° 123° T-axis: 0.92 267° 59°
N-axis: 0.38 14° 10°
V.R.: 82% ϵ :-0.29 N:34 COMP:45

2024/11/07 07:54:58.8
IOTO ISLANDS REGION
Hypo.:25°31.6'N 143°29.8'E 0km



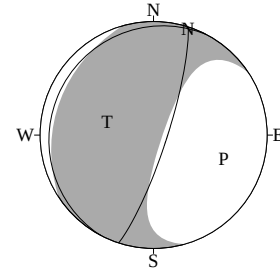
Cent.:25° 4.3'N 143°29.0'E 10km $\Delta t = 1.4$
Mo: 7.10×10^{17} N·m Mw:5.8 Mj:6.3 (sec)
mrr: 2.10 mtt: 1.59 mff:-3.68
mrt: 0.53 mrf: 6.45 mtf:-0.72 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 4° 78° 88° P-axis:-7.90 96° 33°
NP2:196° 12° 101° T-axis: 6.30 271° 57°
N-axis: 1.70 5° 2°
V.R.: 76% ϵ :-0.21 N:36 COMP:87

2024/11/07 10:11:42.2
IOTO ISLANDS REGION
Hypo.:25°28.9'N 143°28.6'E 0km



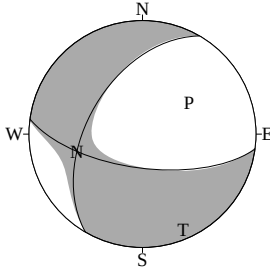
Cent.:25°12.9'N 143°25.2'E 10km $\Delta t = 2.5$
Mo: 6.62×10^{16} N·m Mw:5.1 Mj:5.8 (sec)
mrr: 2.92 mtt: 1.39 mff:-4.31
mrt: 1.54 mrf: 5.29 mtf:-0.34 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 16° 74° 100° P-axis:-7.22 98° 28°
NP2:163° 19° 58° T-axis: 6.03 300° 60°
N-axis: 1.19 193° 10°
V.R.: 79% ϵ :-0.17 N:45 COMP:80

2024/11/08 04:53:50.6
IOTO ISLANDS REGION
Hypo.:25°26.3'N 143°20.8'E 4km



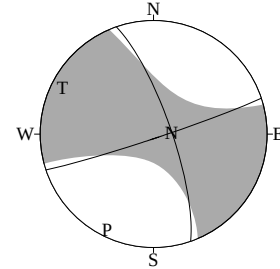
Cent.:25°12.7'N 143°19.0'E 10km $\Delta t = 1.2$
Mo: 0.92×10^{17} N·m Mw:5.2 Mj:5.9 (sec)
mrr: 0.19 mtt: 0.15 mff:-0.34
mrt: 0.27 mrf: 0.82 mtf:-0.21 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 18° 80° 88° P-axis:-1.03 109° 35°
NP2:207° 10° 99° T-axis: 0.81 286° 55°
N-axis: 0.23 18° 2°
V.R.: 88% ϵ :-0.22 N:39 COMP:79

2024/11/11 19:16:54.1
MARIANA ISLANDS REGION
Hypo.:20°31.3'N 145°59.1'E 0km



Cent.:20°16.2'N 145°51.6'E 10km $\Delta t = 6.7$
Mo: 3.00×10^{17} N·m Mw:5.6 Mj:6.0 (sec)
mrr:-1.59 mtt: 2.01 mff:-0.41
mrt:-1.32 mrf: 1.21 mtf: 1.62 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 98° 66° -45° P-axis:-3.10 56° 49°
NP2:210° 50° -147° T-axis: 2.90 157° 9°
N-axis: 0.20 255° 40°
V.R.: 81% ϵ :-0.07 N:30 COMP:58

2024/11/16 02:58:48.9
NEAR CHOSHI CITY
Hypo.:35°50.0'N 140°53.9'E 33km

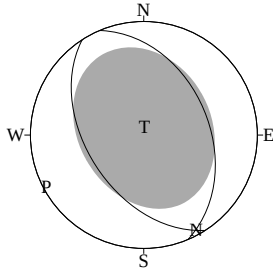


Cent.:35°46.2'N 140°54.6'E 34km $\Delta t = 0.9$
Mo: 1.70×10^{16} N·m Mw:4.8 Mj:4.9 (sec)
mrr: 0.44 mtt:-1.25 mff: 0.80
mrt: 0.34 mrf: 0.06 mtf: 1.31 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 72° 87° 13° P-axis:-1.92 206° 7°
NP2:341° 77° 177° T-axis: 1.48 297° 11°
N-axis: 0.43 86° 77°
V.R.: 81% ϵ :-0.23 N:14 COMP:29

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

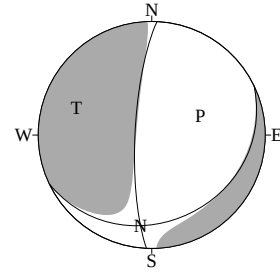
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf:Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG:Moment tensor component, azimuth and plunge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

2024/11/16 21:22:18.0
SHIMOKITA PENINSULA REG
Hypo.:41° 2.0'N 141° 4.7'E 8km



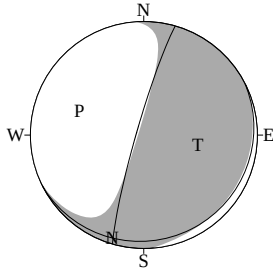
Cent.:41° 2.0'N 141° 4.9'E 10km $\Delta t = 0.4$
Mo: 4.64×10^{15} N·m Mw:4.4 Mj:4.6 (sec)
mrr: 5.21 mtt:-1.82 mff:-3.39
mrt: 0.74 mrf:-0.19 mtf: 1.12 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:337° 42° 97° P-axis:-4.00 242° 3°
NP2:147° 48° 83° T-axis: 5.29 5° 84°
N-axis:-1.29 151° 5°
V.R.: 81% ϵ : 0.24 N:17 COMP:20

2024/11/17 21:16:32.2
NEAR AMAMI-OSHIMA ISLAND
Hypo.:29° 3.8'N 131° 21.0'E 80km



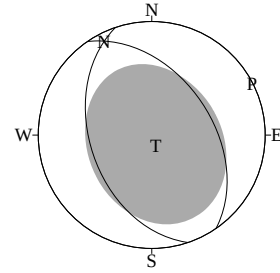
Cent.:29° 0.0'N 131° 21.2'E 29km $\Delta t = 3.7$
Mo: 1.96×10^{18} N·m Mw:6.1 Mj:5.9 (sec)
mrr:-0.69 mtt:-0.06 mff: 0.76
mrt: 0.01 mrf: 1.67 mtf: 0.75 ($\times 10^{18}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 64° 24° -31° P-axis:-1.88 68° 52°
NP2:183° 78° -111° T-axis: 2.05 290° 30°
N-axis:-0.16 187° 21°
V.R.: 85% ϵ : 0.08 N:27 COMP:65

2024/11/20 03:36:11.6
S OF SURUGA BAY
Hypo.:34° 11.1'N 138° 28.7'E 253km



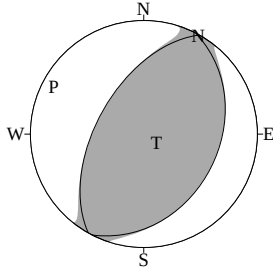
Cent.:34° 7.3'N 138° 28.2'E 252km $\Delta t = 1.3$
Mo: 4.19×10^{16} N·m Mw:5.0 Mj:5.0 (sec)
mrr: 0.56 mtt: 0.11 mff:-0.67
mrt:-1.16 mrf:-3.93 mtf:-0.75 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 63° 8° 137° P-axis:-4.42 291° 39°
NP2:196° 85° 84° T-axis: 3.96 100° 50°
N-axis: 0.46 197° 6°
V.R.: 88% ϵ :-0.10 N:36 COMP:69

2024/11/20 15:40:16.1
SHIMOKITA PENINSULA REG
Hypo.:41° 2.1'N 141° 3.6'E 10km



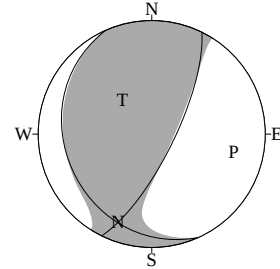
Cent.:41° 7.2'N 141° 4.0'E 10km $\Delta t = 3.4$
Mo: 2.14×10^{16} N·m Mw:4.8 Mj:5.1 (sec)
mrr: 2.41 mtt:-0.84 mff:-1.57
mrt:-0.41 mrf:-0.14 mtf: 0.48 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:326° 46° 79° P-axis:-1.81 63° 1°
NP2:161° 45° 101° T-axis: 2.47 159° 82°
N-axis:-0.66 333° 8°
V.R.: 83% ϵ : 0.27 N:34 COMP:68

2024/11/20 17:09:50.2
SE OFF MIYAGI PREF
Hypo.:37° 58.9'N 141° 48.3'E 60km



Cent.:37° 58.9'N 141° 48.5'E 60km $\Delta t = 0.5$
Mo: 1.01×10^{16} N·m Mw:4.6 Mj:4.8 (sec)
mrr: 0.92 mtt:-0.19 mff:-0.73
mrt:-0.19 mrf:-0.32 mtf:-0.41 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 27° 34° 89° P-axis:-1.02 298° 11°
NP2:209° 56° 91° T-axis: 0.99 123° 79°
N-axis: 0.03 29° 1°
V.R.: 73% ϵ :-0.03 N:15 COMP:30

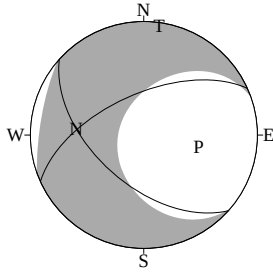
2024/11/24 08:22:29.2
NE OFF IWATE PREF
Hypo.:40° 7.6'N 142° 28.1'E 39km



Cent.:40° 8.1'N 142° 28.5'E 38km $\Delta t = 0.7$
Mo: 2.23×10^{16} N·m Mw:4.8 Mj:5.0 (sec)
mrr: 1.05 mtt: 0.45 mff:-1.50
mrt: 0.89 mrf: 1.56 mtf:-0.12 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 26° 74° 108° P-axis:-2.33 102° 27°
NP2:156° 24° 42° T-axis: 2.13 320° 57°
N-axis: 0.20 201° 18°
V.R.: 73% ϵ :-0.09 N:27 COMP:42

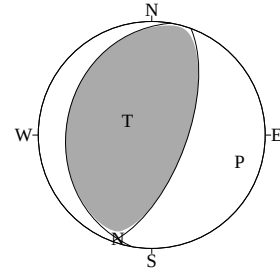
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2024/11/26 00:37:42.3
NEAR TORISHIMA IS
Hypo.:29°24.4'N 141°22.8'E 110km



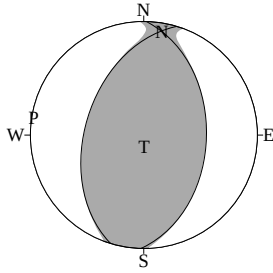
Cent.:29°12.6'N 141°19.2'E 102km $\Delta t = 1.8$
Mo: 2.79×10^{16} N·m Mw:4.9 Mj:5.3 (sec)
mrr:-1.43 mtt: 2.07 mff:-0.63
mrt: 0.52 mrf: 2.25 mtf:-0.51 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:132° 55° -37° P-axis:-3.41 102° 49°
NP2:246° 60° -138° T-axis: 2.16 8° 3°
N-axis: 1.25 275° 40°
V.R.: 84% ϵ :-0.37 N:55 COMP:92

2024/11/26 13:31:20.2
E OFF MIYAGI PREF
Hypo.:38°43.6'N 142°15.1'E 43km



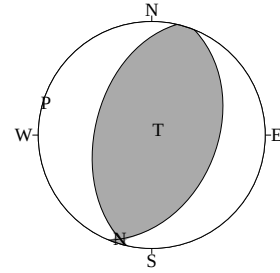
Cent.:38°44.5'N 142°15.4'E 51km $\Delta t = 3.2$
Mo: 1.20×10^{17} N·m Mw:5.3 Mj:5.4 (sec)
mrr: 0.94 mtt:-0.07 mff:-0.87
mrt: 0.31 mrf: 0.72 mtf:-0.23 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 20° 65° 95° P-axis:-1.20 107° 20°
NP2:189° 25° 80° T-axis: 1.20 300° 70°
N-axis: 0.00 198° 4°
V.R.: 80% ϵ : 0.01 N:14 COMP:33

2024/11/26 22:47: 2.8
NW OFF HOKURIKU DISTRICT
Hypo.:37° 0.5'N 136°23.8'E 7km



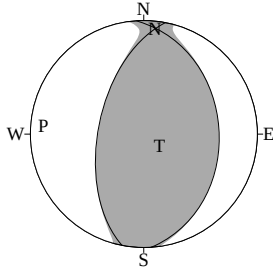
Cent.:37° 2.7'N 136°23.8'E 10km $\Delta t = 6.6$
Mo: 2.42×10^{18} N·m Mw:6.2 Mj:6.6 (sec)
mrr: 2.34 mtt: 0.03 mff:-2.38
mrt:-0.33 mrf:-0.08 mtf:-0.40 ($\times 10^{18}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 2° 44° 79° P-axis:-2.45 279° 2°
NP2:197° 47° 101° T-axis: 2.39 178° 82°
N-axis: 0.06 10° 8°
V.R.: 88% ϵ :-0.02 N:15 COMP:40

2024/11/26 23:52:51.8
NW OFF HOKURIKU DISTRICT
Hypo.:37° 0.7'N 136°24.8'E 11km



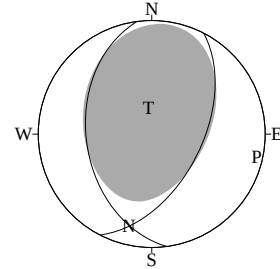
Cent.:37° 0.7'N 136°24.9'E 10km $\Delta t = 3.5$
Mo: 1.84×10^{16} N·m Mw:4.8 Mj:4.9 (sec)
mrr: 1.82 mtt:-0.15 mff:-1.67
mrt: 0.08 mrf:-0.24 mtf:-0.53 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 22° 42° 97° P-axis:-1.85 287° 3°
NP2:193° 48° 84° T-axis: 1.84 52° 84°
N-axis: 0.01 197° 5°
V.R.: 83% ϵ : 0.00 N:20 COMP:29

2024/11/27 02:19:47.1
NW OFF HOKURIKU DISTRICT
Hypo.:37° 2.3'N 136°25.2'E 10km



Cent.:37° 1.9'N 136°25.3'E 10km $\Delta t = 4.2$
Mo: 1.89×10^{16} N·m Mw:4.8 Mj:4.8 (sec)
mrr: 1.69 mtt: 0.07 mff:-1.76
mrt:-0.28 mrf:-0.72 mtf:-0.12 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:356° 34° 78° P-axis:-1.92 275° 12°
NP2:191° 57° 98° T-axis: 1.87 126° 76°
N-axis: 0.05 6° 7°
V.R.: 78% ϵ :-0.03 N:38 COMP:52

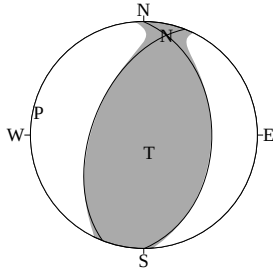
2024/11/28 17:31: 5.6
NW OFF HOKURIKU DISTRICT
Hypo.:36°55.8'N 136°23.4'E 10km



Cent.:36°55.8'N 136°23.1'E 10km $\Delta t = 0.6$
Mo: 1.07×10^{16} N·m Mw:4.6 Mj:4.7 (sec)
mrr: 1.00 mtt:-0.06 mff:-0.94
mrt: 0.42 mrf: 0.14 mtf:-0.14 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 27° 54° 112° P-axis:-0.99 102° 6°
NP2:172° 42° 62° T-axis: 1.15 353° 71°
N-axis:-0.16 194° 18°
V.R.: 82% ϵ : 0.14 N:15 COMP:26

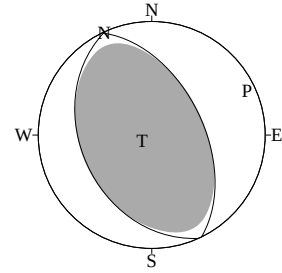
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2024/11/30 09:52:28.7
NW OFF HOKURIKU DISTRICT
Hypo.:37° 3.8'N 136°25.0'E 8km



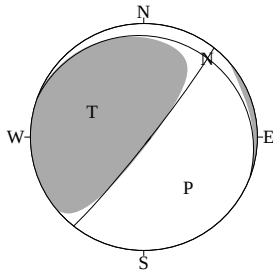
Cent.:37°13.8'N 136°24.8'E 10km $\Delta t = 1.4$
Mo: 1.85×10^{16} N·m Mw:4.8 Mj:4.9 (sec)
mrr: 1.70 mtt: 0.07 mff:-1.78
mrt:-0.39 mrf:-0.33 mtf:-0.36 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:360° 40° 73° P-axis:-1.89 282° 6°
NP2:201° 52° 104° T-axis: 1.81 162° 77°
N-axis: 0.08 13° 11°
V.R.: 82% ϵ :-0.04 N:43 COMP:69

2024/11/30 17:46:15.9
NEAR MIYAKOJIMA ISLAND
Hypo.:25°19.8'N 125°59.6'E 70km



Cent.:25° 5.8'N 126° 0.9'E 41km $\Delta t = 2.4$
Mo: 5.70×10^{17} N·m Mw:5.8 Mj:5.8 (sec)
mrr: 5.64 mtt:-1.18 mff:-4.46
mrt:-0.71 mrf: 1.33 mtf: 1.98 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:334° 53° 89° P-axis:-5.60 65° 8°
NP2:156° 37° 91° T-axis: 5.80 239° 82°
N-axis:-0.20 335° 1°
V.R.: 84% ϵ : 0.04 N:8 COMP:21

2024/11/30 18:07: 3.6
NEAR ISHIGAKIJIMA ISLAND
Hypo.:23°54.7'N 123°23.1'E 28km



Cent.:23°42.9'N 123°22.6'E 10km $\Delta t = 5.9$
Mo: 1.30×10^{17} N·m Mw:5.3 Mj:5.3 (sec)
mrr: 0.22 mtt:-0.36 mff: 0.14
mrt: 0.74 mrf: 1.02 mtf:-0.07 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 38° 86° 78° P-axis:-1.20 139° 40°
NP2:290° 12° 162° T-axis: 1.40 296° 48°
N-axis:-0.10 39° 12°
V.R.: 79% ϵ : 0.08 N:7 COMP:11

EQUAL AREA PROJECTON, LOWER HEMISPHERE.