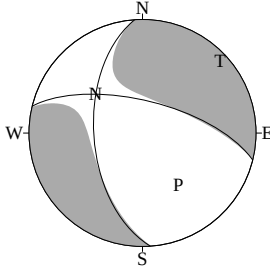


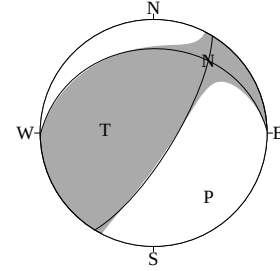
CMT SOLUTIONS FOR EARTHQUAKES IN FEBRUARY, 2024

2024/02/05 17:30:49.5
SE OFF OSUMI PEN
Hypo.:30°45.9'N 131°29.0'E 42km



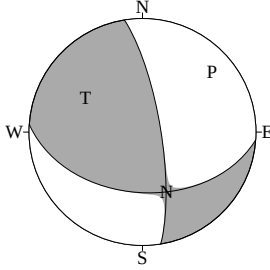
Cent.:30°43.0'N 131°29.2'E 24km $\Delta t = 0.4$
Mo: 2.08×10^{16} N·m Mw:4.8 Mj:4.7 (sec)
mrr:-1.01 mtt: 0.25 mff: 0.75
mrt: 0.93 mrf: 0.29 mtf:-1.61 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:284° 67° -141° P-axis:-1.98 145° 44°
NP2:176° 55° -29° T-axis: 2.18 47° 7°
N-axis:-0.20 310° 45°
V.R.: 67% ϵ : 0.09 N:14 COMP:24

2024/02/07 06:08:15.1
SADOGASHIMA IS REG
Hypo.:37°43.9'N 137°35.0'E 20km



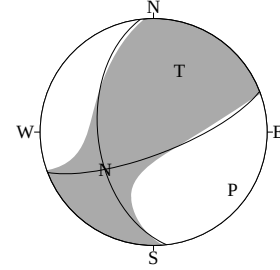
Cent.:37°42.4'N 137°35.1'E 11km $\Delta t = 5.3$
Mo: 4.86×10^{16} N·m Mw:5.1 Mj:5.2 (sec)
mrr: 2.15 mtt:-2.05 mff:-0.09
mrt: 1.76 mrf: 3.47 mtf:-2.03 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 31° 75° 68° P-axis:-5.03 139° 27°
NP2:269° 26° 145° T-axis: 4.68 274° 55°
N-axis: 0.35 37° 21°
V.R.: 87% ϵ :-0.07 N:43 COMP:97

2024/02/09 17:42:32.8
E OFF IZU PENINSULA
Hypo.:34°57.6'N 139°13.7'E 172km



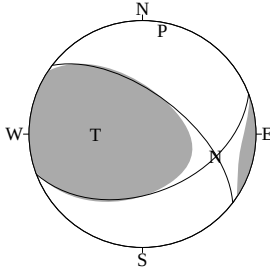
Cent.:35° 1.9'N 139°13.9'E 171km $\Delta t = 2.8$
Mo: 4.08×10^{16} N·m Mw:5.0 Mj:4.9 (sec)
mrr: 1.30 mtt:-0.90 mff:-0.40
mrt: 0.19 mrf: 2.69 mtf: 2.84 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:351° 77° 134° P-axis:-4.10 49° 20°
NP2: 94° 46° 19° T-axis: 4.07 301° 41°
N-axis: 0.03 158° 43°
V.R.: 90% ϵ :-0.01 N:41 COMP:95

2024/02/11 12:35:59.4
NOTO PENINSULA REGION
Hypo.:37°26.0'N 137°10.6'E 15km



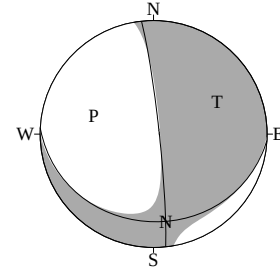
Cent.:37°31.9'N 137°10.5'E 14km $\Delta t = 1.0$
Mo: 7.11×10^{15} N·m Mw:4.5 Mj:4.7 (sec)
mrr: 2.86 mtt: 0.85 mff:-3.71
mrt: 3.77 mrf: 0.84 mtf:-5.05 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 69° 74° 137° P-axis:-7.73 126° 15°
NP2:173° 49° 21° T-axis: 6.50 23° 41°
N-axis: 1.22 232° 45°
V.R.: 85% ϵ :-0.16 N:15 COMP:25

2024/02/12 20:19:40.4
IOTO ISLANDS REGION
Hypo.:22°24.3'N 142°35.9'E 267km



Cent.:22° 6.9'N 143° 0.2'E 261km $\Delta t = -4.9$
Mo: 1.87×10^{18} N·m Mw:6.1 Mj:6.5 (sec)
mrr: 1.27 mtt:-1.67 mff: 0.39
mrt: -0.23 mrf: 1.07 mtf: 0.27 ($\times 10^{18}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 69° 46° 42° P-axis:-1.75 11° 8°
NP2:307° 61° 128° T-axis: 1.99 269° 56°
N-axis:-0.24 107° 33°
V.R.: 68% ϵ : 0.12 N:14 COMP:40

2024/02/14 15:53:57.9
NEAR TORISHIMA IS
Hypo.:31°54.4'N 138°14.3'E 382km

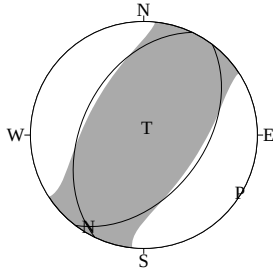


Cent.:31°57.1'N 138°15.0'E 389km $\Delta t = -0.1$
Mo: 8.50×10^{16} N·m Mw:5.2 Mj:5.0 (sec)
mrr:-1.28 mtt: 1.18 mff: 0.10
mrt: 0.25 mrf:-7.75 mtf:-3.30 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:354° 86° -67° P-axis:-8.81 287° 44°
NP2: 93° 24° -170° T-axis: 8.20 63° 37°
N-axis: 0.61 172° 23°
V.R.: 86% ϵ :-0.07 N:38 COMP:70

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

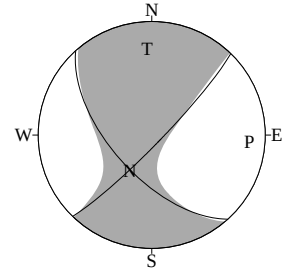
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf:Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG:Moment tensor component, azimuth and plunge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

2024/02/15 12:48:19.4
SADOGASHIMA IS REG
Hypo.:37°52.8'N 137°45.4'E 21km



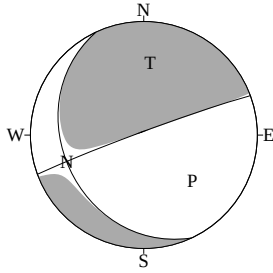
Cent.:37°59.9'N 137°45.3'E 11km $\Delta t = 1.0$
Mo: 2.05×10^{16} N·m Mw:4.8 Mj:4.9 (sec)
mrr: 1.78 mtt: -0.24 mff: -1.54
mrt: 0.15 mrf: -0.01 mtf: -1.26 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 37° 46° 98° P-axis: -2.30 121° 1°
NP2: 205° 44° 82° T-axis: 1.79 21° 84°
N-axis: 0.51 211° 6°
V.R.: 80% ϵ : -0.22 N:29 COMP:50

2024/02/15 15:29:43.1
OFF S NIIGATA PREF
Hypo.:37°33.2'N 137°37.0'E 16km



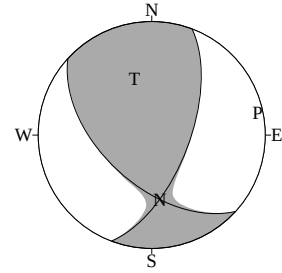
Cent.:37°41.8'N 137°37.1'E 10km $\Delta t = 1.7$
Mo: 2.72×10^{16} N·m Mw:4.9 Mj:5.0 (sec)
mrr: 0.52 mtt: 2.14 mff: -2.65
mrt: 0.91 mrf: 0.84 mtf: -0.14 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 44° 83° 151° P-axis: -2.89 94° 15°
NP2: 138° 61° 8° T-axis: 2.55 357° 25°
N-axis: 0.34 212° 60°
V.R.: 79% ϵ : -0.12 N:36 COMP:63

2024/02/16 23:59:52.7
FAR E OFF MIYAGI PREF
Hypo.:37°51.9'N 143°40.0'E 49km



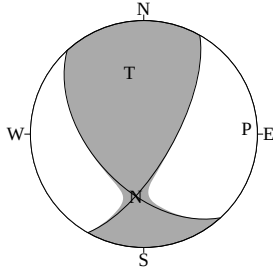
Cent.:37°50.6'N 143°40.0'E 31km $\Delta t = 0.6$
Mo: 8.07×10^{15} N·m Mw:4.5 Mj:4.7 (sec)
mrr: -0.58 mtt: 3.18 mff: -2.60
mrt: 6.61 mrf: 2.43 mtf: -2.65 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 155° 29° -5° P-axis: -7.93 133° 41°
NP2: 250° 87° -119° T-axis: 8.21 5° 36°
N-axis: -0.29 251° 29°
V.R.: 80% ϵ : 0.03 N:30 COMP:43

2024/02/20 22:56:27.2
NEAR ISHIGAKIJIMA ISLAND
Hypo.:23°40.7'N 123°16.5'E 47km



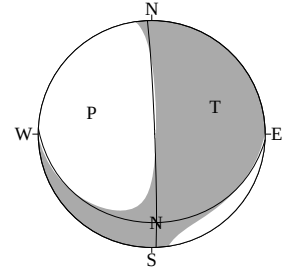
Cent.:23°41.6'N 123°16.9'E 21km $\Delta t = 1.4$
Mo: 2.37×10^{16} N·m Mw:4.9 Mj:5.2 (sec)
mrr: 1.27 mtt: 0.92 mff: -2.19
mrt: 1.04 mrf: 0.55 mtf: 0.78 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 21° 63° 139° P-axis: -2.40 78° 5°
NP2: 132° 54° 34° T-axis: 2.34 343° 47°
N-axis: 0.06 173° 42°
V.R.: 83% ϵ : -0.03 N:7 COMP:14

2024/02/20 23:57:30.5
NEAR ISHIGAKIJIMA ISLAND
Hypo.:23°40.6'N 123°16.2'E 47km



Cent.:23°40.5'N 123°16.6'E 22km $\Delta t = 1.6$
Mo: 3.69×10^{16} N·m Mw:5.0 Mj:5.4 (sec)
mrr: 1.68 mtt: 1.82 mff: -3.51
mrt: 1.70 mrf: 1.08 mtf: 0.59 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 30° 69° 138° P-axis: -3.73 87° 10°
NP2: 138° 52° 28° T-axis: 3.65 347° 44°
N-axis: 0.08 187° 44°
V.R.: 82% ϵ : -0.02 N:7 COMP:16

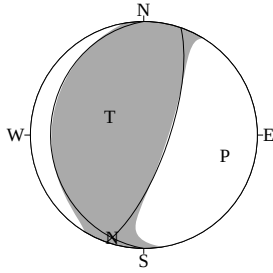
2024/02/24 08:10:42.3
FAR S OFF TOKAI DISTRICT
Hypo.:32°12.7'N 137°40.2'E 416km



Cent.:32°11.8'N 137°40.3'E 415km $\Delta t = 0.3$
Mo: 1.30×10^{17} N·m Mw:5.4 Mj:5.3 (sec)
mrr: -0.13 mtt: 0.15 mff: -0.02
mrt: -0.05 mrf: -1.23 mtf: -0.51 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 358° 88° -67° P-axis: -1.40 290° 43°
NP2: 93° 23° -174° T-axis: 1.30 67° 39°
N-axis: 0.10 177° 23°
V.R.: 87% ϵ : -0.10 N:43 COMP:87

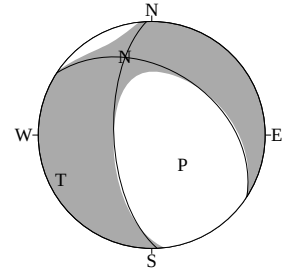
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2024/02/24 19:17:40.7
 FAR E OFF SANRIKU
 Hypo.:39°32.7'N 143°33.0'E 13km



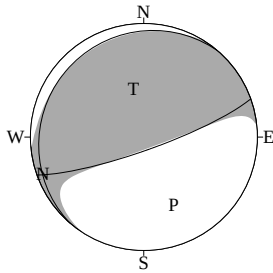
Cent.:39°32.8'N 143°33.4'E 19km $\Delta t = 5.3$
 Mo: 4.23×10^{16} N·m Mw:5.0 Mj:5.2 (sec)
 mrr: 2.31 mtt: 0.28 mff:-2.59
 mrt: 1.20 mrf: 3.19 mtf:-0.56 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 19° 72° 96° P-axis:-4.39 104° 27°
 NP2:180° 19° 72° T-axis: 4.07 299° 62°
 N-axis: 0.33 197° 6°
 V.R.: 71% ϵ :-0.07 N:38 COMP:87

2024/02/26 15:24:13.5
 IYONADA SETONAIKAI
 Hypo.:33°38.5'N 132°28.2'E 47km



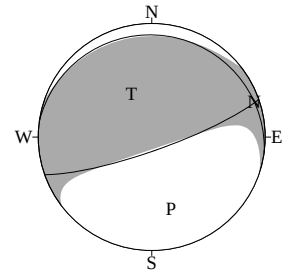
Cent.:33°38.0'N 132°28.3'E 42km $\Delta t = 2.1$
 Mo: 3.01×10^{16} N·m Mw:4.9 Mj:5.1 (sec)
 mrr:-2.12 mtt: 0.30 mff: 1.82
 mrt: 0.85 mrf: 1.56 mtf:-1.42 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:303° 41°-136° P-axis:-3.16 134° 59°
 NP2:177° 63° -58° T-axis: 2.86 244° 12°
 N-axis: 0.30 341° 28°
 V.R.: 90% ϵ :-0.09 N:17 COMP:37

2024/02/29 11:13: 8.8
 KUJUKURI COAST BOSO PEN
 Hypo.:35°23.3'N 140°33.6'E 29km



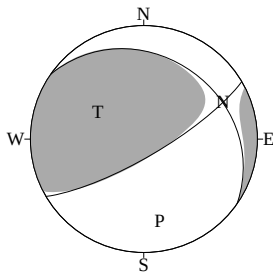
Cent.:35°19.7'N 140°33.8'E 27km $\Delta t = 0.8$
 Mo: 1.00×10^{16} N·m Mw:4.6 Mj:4.6 (sec)
 mrr: 0.29 mtt:-0.25 mff:-0.04
 mrt: 0.89 mrf: 0.31 mtf:-0.21 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 71° 81° 96° P-axis:-1.04 156° 35°
 NP2:219° 11° 59° T-axis: 0.97 348° 54°
 N-axis: 0.07 250° 6°
 V.R.: 69% ϵ :-0.07 N:18 COMP:22

2024/02/29 12:30:39.1
 KUJUKURI COAST BOSO PEN
 Hypo.:35°20.4'N 140°33.4'E 28km



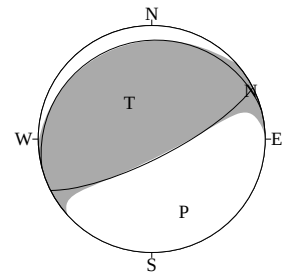
Cent.:35°18.4'N 140°34.0'E 26km $\Delta t = 0.6$
 Mo: 5.78×10^{15} N·m Mw:4.4 Mj:4.5 (sec)
 mrr: 1.64 mtt:-2.23 mff: 0.59
 mrt: 5.11 mrf: 1.81 mtf:-0.48 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 71° 80° 85° P-axis:-6.07 165° 35°
 NP2:278° 11° 117° T-axis: 5.48 335° 55°
 N-axis: 0.59 71° 5°
 V.R.: 62% ϵ :-0.10 N:16 COMP:21

2024/02/29 16:27:21.0
 KUJUKURI COAST BOSO PEN
 Hypo.:35°23.2'N 140°33.1'E 29km



Cent.:35°22.2'N 140°33.5'E 27km $\Delta t = 0.5$
 Mo: 7.11×10^{15} N·m Mw:4.5 Mj:4.6 (sec)
 mrr: 2.82 mtt:-4.46 mff: 1.64
 mrt: 4.63 mrf: 3.73 mtf: 0.44 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 60° 78° 65° P-axis:-6.91 169° 28°
 NP2:305° 28° 152° T-axis: 7.32 301° 51°
 N-axis:-0.41 65° 24°
 V.R.: 63% ϵ : 0.06 N:26 COMP:36

2024/02/29 18:35:42.0
 KUJUKURI COAST BOSO PEN
 Hypo.:35°23.7'N 140°33.2'E 27km



Cent.:35°23.5'N 140°33.6'E 27km $\Delta t = 0.7$
 Mo: 2.26×10^{16} N·m Mw:4.8 Mj:4.9 (sec)
 mrr: 0.99 mtt:-0.97 mff:-0.02
 mrt: 1.77 mrf: 0.92 mtf:-0.45 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 63° 76° 87° P-axis:-2.34 156° 31°
 NP2:255° 14° 102° T-axis: 2.19 329° 59°
 N-axis: 0.15 64° 3°
 V.R.: 68% ϵ :-0.07 N:29 COMP:53

EQUAL AREA PROJECTON, LOWER HEMISPHERE.