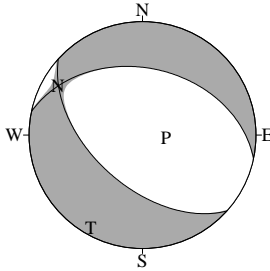


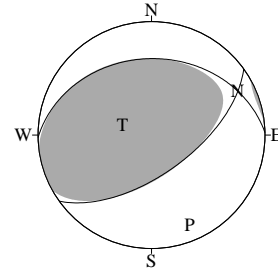
CMT SOLUTIONS FOR EARTHQUAKES IN AUGUST, 2017

2017/08/02 02:02: 7.5
NORTHERN IBARAKI PREF
Hypo.:36°48.2'N 140°32.1'E 9km



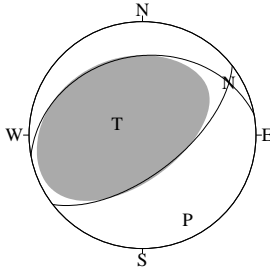
Cent.:36°48.1'N 140°32.1'E 10km $\Delta t = 1.3$
Mo: 5.14×10^{16} N·m Mw:5.1 Mj:5.5 (sec)
mrr:-4.68 mtt: 3.90 mff: 0.78
mrt:-0.36 mrf: 1.71 mtf:-2.14 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:132° 53° -71° P-axis:-5.18 96° 73°
NP2:282° 41° -114° T-axis: 5.11 209° 7°
N-axis: 0.07 300° 15°
V.R.: 84% ϵ : -0.01 N:13 COMP:25

2017/08/02 07:15:56.8
SW IBARAKI PREF
Hypo.:36° 7.2'N 140° 1.3'E 48km



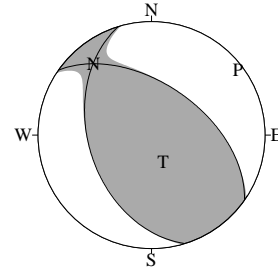
Cent.:36° 7.2'N 140° 1.2'E 48km $\Delta t = 4.5$
Mo: 9.52×10^{15} N·m Mw:4.6 Mj:4.6 (sec)
mrr: 7.76 mtt:-7.33 mff:-0.44
mrt: 3.15 mrf: 4.23 mtf:-2.45 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 54° 62° 72° P-axis:-9.25 157° 15°
NP2:269° 33° 120° T-axis: 9.79 289° 68°
N-axis:-0.54 63° 16°
V.R.: 79% ϵ : 0.05 N:42 COMP:63

2017/08/03 13:45: 4.4
SW IBARAKI PREF
Hypo.:36° 4.7'N 139°53.1'E 46km



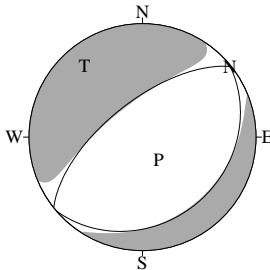
Cent.:36° 5.0'N 139°52.9'E 46km $\Delta t = 3.5$
Mo: 1.03×10^{16} N·m Mw:4.6 Mj:4.6 (sec)
mrr: 0.88 mtt:-0.71 mff:-0.17
mrt: 0.35 mrf: 0.46 mtf:-0.27 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 52° 62° 77° P-axis:-0.97 152° 16°
NP2:259° 31° 113° T-axis: 1.09 294° 70°
N-axis:-0.12 59° 12°
V.R.: 80% ϵ : 0.11 N:20 COMP:32

2017/08/04 20:19:46.5
NW OFF ISHIGAKIJIMA IS
Hypo.:24°33.1'N 123°34.6'E 64km



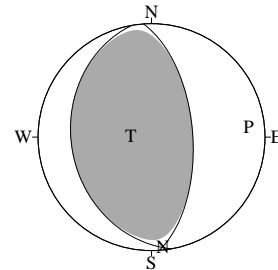
Cent.:24°27.9'N 123°34.6'E 55km $\Delta t = 1.8$
Mo: 7.74×10^{16} N·m Mw:5.2 Mj:5.3 (sec)
mrr: 6.65 mtt:-1.98 mff:-4.67
mrt:-2.65 mrf:-0.42 mtf: 4.22 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:305° 53° 65° P-axis:-7.87 53° 5°
NP2:163° 44° 120° T-axis: 7.62 156° 69°
N-axis: 0.25 321° 20°
V.R.: 84% ϵ : -0.03 N:9 COMP:12

2017/08/08 14:49:33.5
NEAR OKINAWAJIMA ISLAND
Hypo.:26°29.5'N 127° 0.4'E 13km



Cent.:26°29.4'N 126°59.0'E 13km $\Delta t = 0.8$
Mo: 3.38×10^{16} N·m Mw:5.0 Mj:5.2 (sec)
mrr:-2.50 mtt: 1.54 mff: 0.96
mrt: 1.68 mrf: 1.31 mtf: 1.48 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 49° 26° -92° P-axis:-3.25 144° 70°
NP2:232° 65° -89° T-axis: 3.51 321° 20°
N-axis:-0.26 51° 1°
V.R.: 63% ϵ : 0.07 N:11 COMP:14

2017/08/10 09:36:31.1
NORTHERN CHIBA PREF
Hypo.:35°47.8'N 140° 5.4'E 64km

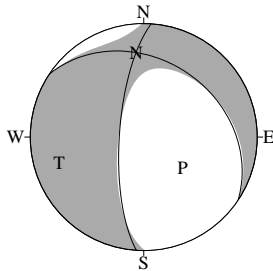


Cent.:35°43.9'N 140° 6.5'E 68km $\Delta t = 0.7$
Mo: 4.78×10^{16} N·m Mw:5.1 Mj:5.0 (sec)
mrr: 4.17 mtt:-0.15 mff:-4.02
mrt:-0.04 mrf: 2.42 mtf: 0.49 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:356° 60° 93° P-axis:-4.73 84° 15°
NP2:170° 30° 85° T-axis: 4.83 274° 75°
N-axis:-0.10 174° 3°
V.R.: 76% ϵ : 0.02 N:14 COMP:22

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

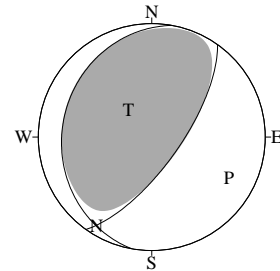
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf: Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG: Moment tensor component, azimuth and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

2017/08/12 05:16:13.2
 NEAR TOKARA ISLANDS
 Hypo.:29°38.9'N 129°18.5'E 214km



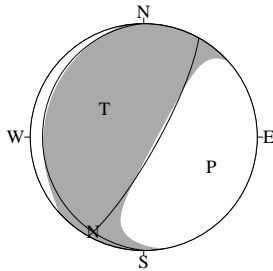
Cent.:29°35.1'N 129°18.1'E 216km $\Delta t = 0.9$
 Mo: 1.04×10^{16} N·m Mw:4.6 Mj:4.2 (sec)
 mrr:-0.55 mtt: 0.01 mff: 0.54
 mrt: 0.25 mrf: 0.75 mtf:-0.41 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:304° 32° -146° P-axis:-1.09 128° 54°
 NP2:184° 73° -62° T-axis: 1.00 253° 23°
 N-axis: 0.09 355° 26°
 V.R.: 82% ϵ : -0.08 N:11 COMP:13

2017/08/13 03:23:44.5
 NEAR AMAMI-OSHIMA ISLAND
 Hypo.:29°57.3'N 131°15.6'E 27km



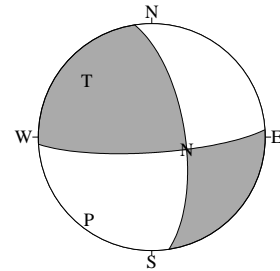
Cent.:29°56.0'N 131°15.7'E 18km $\Delta t = 6.6$
 Mo: 7.30×10^{16} N·m Mw:5.2 Mj:5.0 (sec)
 mrr: 4.82 mtt:-0.74 mff:-4.08
 mrt: 3.59 mrf: 4.22 mtf:-1.59 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 35° 70° 99° P-axis:-7.11 118° 24°
 NP2:190° 22° 67° T-axis: 7.49 320° 64°
 N-axis:-0.38 212° 9°
 V.R.: 68% ϵ : 0.05 N:13 COMP:23

2017/08/14 12:06: 0.0
 FAR E OFF SANRIKU
 Hypo.:39°37.0'N 143°37.0'E 36km



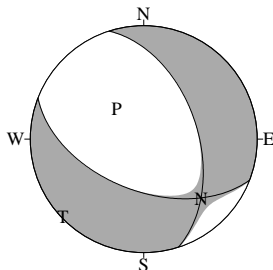
Cent.:39°31.0'N 143°36.0'E 18km $\Delta t = 4.8$
 Mo: 1.79×10^{16} N·m Mw:4.8 Mj:4.9 (sec)
 mrr: 0.51 mtt: 0.15 mff:-0.67
 mrt: 0.81 mrf: 1.46 mtf:-0.31 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 29° 80° 96° P-axis:-1.90 114° 35°
 NP2:179° 12° 61° T-axis: 1.68 306° 55°
 N-axis: 0.22 208° 6°
 V.R.: 76% ϵ : -0.12 N:35 COMP:49

2017/08/14 18:11:35.2
 NORTHERN CHIBA PREF
 Hypo.:35°50.1'N 139°59.5'E 102km



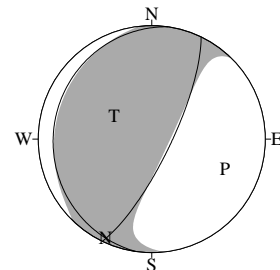
Cent.:35°50.1'N 139°59.8'E 102km $\Delta t = 0.5$
 Mo: 7.01×10^{15} N·m Mw:4.5 Mj:4.5 (sec)
 mrr: 1.10 mtt:-1.90 mff: 0.79
 mrt: 2.59 mrf: 1.40 mtf: 6.14 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 86° 79° 24° P-axis:-7.01 217° 9°
 NP2:351° 66° 168° T-axis: 7.00 311° 25°
 N-axis: 0.01 110° 63°
 V.R.: 82% ϵ : 0.00 N:33 COMP:43

2017/08/16 21:51:25.6
 NW OFF AMAMI-OSHIMA IS
 Hypo.:28°39.4'N 127°55.9'E 192km



Cent.:28°32.4'N 127°57.1'E 213km $\Delta t = 2.1$
 Mo: 4.40×10^{17} N·m Mw:5.7 Mj:5.7 (sec)
 mrr:-3.44 mtt: 1.56 mff: 1.88
 mrt:-1.50 mrf:-1.23 mtf:-2.64 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:342° 51° -52° P-axis:-4.50 318° 61°
 NP2:111° 53° -127° T-axis: 4.40 226° 1°
 N-axis: 0.10 136° 28°
 V.R.: 84% ϵ : -0.03 N:29 COMP:64

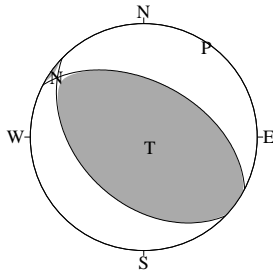
2017/08/20 13:47:31.4
 FAR E OFF SANRIKU
 Hypo.:40°18.9'N 143°41.8'E 13km



Cent.:40°18.9'N 143°41.6'E 13km $\Delta t = 8.5$
 Mo: 6.12×10^{15} N·m Mw:4.5 Mj:4.5 (sec)
 mrr: 2.46 mtt: 0.31 mff:-2.77
 mrt: 2.39 mrf: 4.87 mtf:-1.20 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 26° 76° 94° P-axis:-6.45 112° 31°
 NP2:188° 14° 73° T-axis: 5.78 302° 58°
 N-axis: 0.67 205° 4°
 V.R.: 83% ϵ : -0.10 N:23 COMP:28

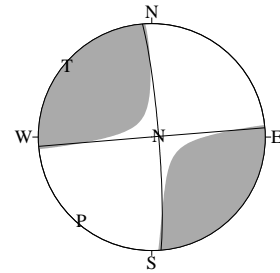
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2017/08/21 02:00: 5.1
 NW OFF OKINAWAJIMA IS
 Hypo.:27° 1.7'N 127°20.4'E 85km



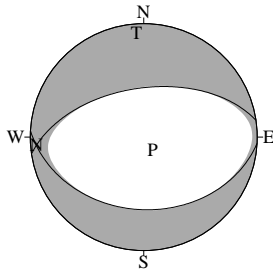
Cent.:27° 1.8'N 127°20.4'E 85km $\Delta t = 3.6$
 Mo: 1.23×10^{16} N·m Mw:4.4 Mj:4.4 (sec)
 mrr:-1.19 mtt:-0.79 mff:-0.40
 mrt:-0.24 mrf:-0.05 mtf: 0.58 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:134° 42° 103° P-axis:-1.22 35° 4°
 NP2:297° 50° 79° T-axis: 1.23 150° 81°
 N-axis:-0.01 304° 8°
 V.R.: 81% ϵ : 0.01 N:18 COMP:20

2017/08/24 14:34:38.6
 SATSUMA PENINSULA REGION
 Hypo.:31°22.6'N 130°36.7'E 7km



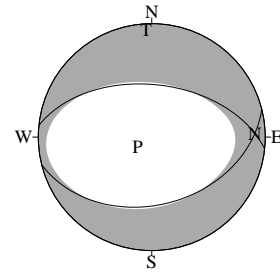
Cent.:31°22.6'N 130°36.7'E 10km $\Delta t = 3.5$
 Mo: 5.76×10^{15} N·m Mw:4.4 Mj:4.4 (sec)
 mrr:-0.57 mtt:-0.65 mff: 1.22
 mrt: 0.49 mrf: 0.11 mtf: 5.67×10^{15} N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:265° 90° -5° P-axis:-5.48 220° 4°
 NP2:355° 85° -180° T-axis: 6.05 310° 3°
 N-axis:-0.58 84° 85°
 V.R.: 90% ϵ : 0.10 N:31 COMP:35

2017/08/26 04:20:29.6
 MID FUKUSHIMA PREF
 Hypo.:37° 1.2'N 140°35.0'E 8km



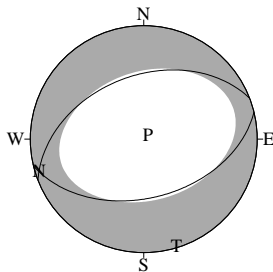
Cent.:37° 1.2'N 140°34.8'E 10km $\Delta t = 0.4$
 Mo: 4.28×10^{15} N·m Mw:4.4 Mj:4.7 (sec)
 mrr:-4.10 mtt: 3.98 mff: 0.12
 mrt: 1.31 mrf: 0.52 mtf: 0.17 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 93° 36° -81° P-axis:-4.36 145° 79°
 NP2:262° 54° -97° T-axis: 4.20 356° 9°
 N-axis: 0.16 266° 6°
 V.R.: 79% ϵ :-0.04 N:38 COMP:54

2017/08/26 08:20:47.5
 NW OFF ISHIGAKIJIMA IS
 Hypo.:24°59.5'N 123°31.1'E 15km



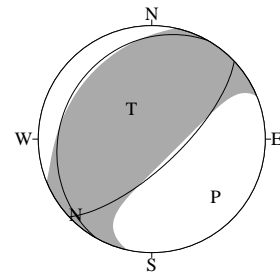
Cent.:24°56.7'N 123°31.0'E 13km $\Delta t = 0.2$
 Mo: 1.35×10^{16} N·m Mw:4.7 Mj:4.9 (sec)
 mrr:-1.34 mtt: 1.24 mff: 0.10
 mrt: 0.29 mrf:-0.25 mtf: 0.09 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 76° 40° -106° P-axis:-1.42 236° 78°
 NP2:276° 52° -77° T-axis: 1.28 357° 6°
 N-axis: 0.14 88° 10°
 V.R.: 87% ϵ :-0.10 N:6 COMP:10

2017/08/27 11:26: 4.5
 NORTHERN IBARAKI PREF
 Hypo.:36°44.8'N 140°34.5'E 11km



Cent.:36°44.8'N 140°34.8'E 11km $\Delta t = 0.4$
 Mo: 5.04×10^{15} N·m Mw:4.4 Mj:4.8 (sec)
 mrr:-5.42 mtt: 4.27 mff: 1.16
 mrt:-0.41 mrf: 0.30 mtf: 1.09 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 76° 47° -85° P-axis:-5.46 48° 86°
 NP2:249° 43° -95° T-axis: 4.62 163° 2°
 N-axis: 0.84 253° 4°
 V.R.: 86% ϵ :-0.15 N:26 COMP:29

2017/08/31 07:09: 2.1
 NEAR AMAMI-OSHIMA ISLAND
 Hypo.:28°31.2'N 130° 9.4'E 33km



Cent.:28°29.2'N 130° 8.7'E 18km $\Delta t = 0.9$
 Mo: 2.23×10^{16} N·m Mw:4.8 Mj:4.8 (sec)
 mrr: 1.20 mtt:-0.42 mff:-0.78
 mrt: 1.25 mrf: 1.16 mtf:-1.05 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 47° 70° 96° P-axis:-2.45 132° 25°
 NP2:210° 21° 74° T-axis: 2.01 326° 64°
 N-axis: 0.45 225° 6°
 V.R.: 73% ϵ :-0.18 N:11 COMP:12

EQUAL AREA PROJECTON, LOWER HEMISPHERE.