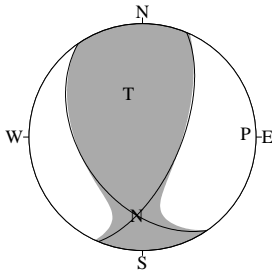


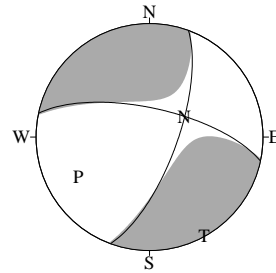
CMT SOLUTIONS FOR EARTHQUAKES IN JULY, 2017

2017/07/01 23:45:52.9
 ISHIKARI DEPRESSION
 Hypo.:42°47.2'N 141°51.5'E 27km



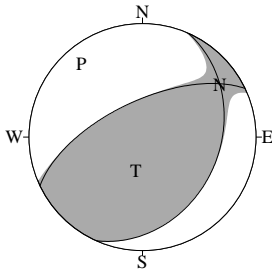
Cent.:42°48.9'N 141°51.9'E 29km $\Delta t = 3.3$
 Mo: 4.37×10^{16} N·m Mw:5.0 Mj:5.1 (sec)
 mrr: 2.88 mtt: 1.39 mff:-4.27
 mrt: 1.65 mrf: 1.40 mtf: 0.52 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 23° 62° 126° P-axis: -4.54 88° 10°
 NP2: 145° 44° 42° T-axis: 4.19 342° 57°
 N-axis: 0.35 184° 31°
 V.R.: 81% ϵ : -0.08 N:10 COMP:21

2017/07/02 00:58:22.7
 NE KUMAMOTO PREF
 Hypo.:33° 0.2'N 131°14.2'E 11km



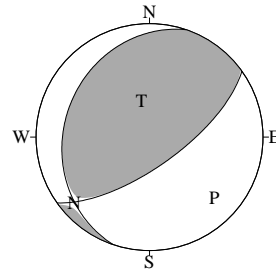
Cent.:33° 0.2'N 131°14.1'E 11km $\Delta t = 0.4$
 Mo: 4.60×10^{15} N·m Mw:4.4 Mj:4.5 (sec)
 mrr: -1.42 mtt: 2.91 mff: -1.49
 mrt: 0.74 mrf: -1.49 mtf: 3.50 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 20° 70° -158° P-axis: -4.36 241° 29°
 NP2: 282° 69° -21° T-axis: 4.84 151° 1°
 N-axis: -0.48 60° 61°
 V.R.: 84% ϵ : 0.10 N:29 COMP:43

2017/07/06 15:42:27.1
 FAR E OFF MIYAGI PREF
 Hypo.:38°23.3'N 143°17.8'E 33km



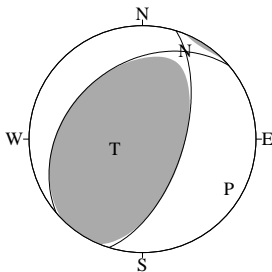
Cent.:38°23.4'N 143°17.6'E 20km $\Delta t = 0.6$
 Mo: 1.05×10^{16} N·m Mw:4.6 Mj:4.9 (sec)
 mrr: 0.76 mtt: -0.37 mff: -0.38
 mrt: -0.61 mrf: -0.13 mtf: -0.53 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 24° 33° 54° P-axis: -1.06 320° 17°
 NP2: 245° 64° 111° T-axis: 1.03 191° 65°
 N-axis: 0.03 56° 19°
 V.R.: 83% ϵ : -0.03 N:13 COMP:16

2017/07/07 21:48:35.8
 E OFF FUKUSHIMA PREF
 Hypo.:37°45.7'N 141° 5.3'E 66km



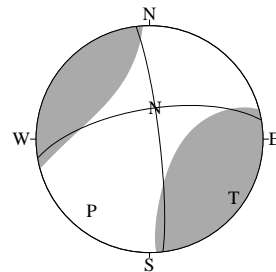
Cent.:37°45.0'N 141° 5.4'E 66km $\Delta t = 0.7$
 Mo: 1.85×10^{16} N·m Mw:4.8 Mj:4.9 (sec)
 mrr: 1.21 mtt: -0.39 mff: -0.82
 mrt: 1.18 mrf: 0.63 mtf: -0.70 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 54° 69° 104° P-axis: -1.84 133° 23°
 NP2: 199° 25° 57° T-axis: 1.85 348° 63°
 N-axis: -0.01 229° 13°
 V.R.: 88% ϵ : 0.01 N:43 COMP:67

2017/07/08 20:48:50.9
 E OFF FUKUSHIMA PREF
 Hypo.:37°22.7'N 141°43.4'E 45km



Cent.:37°22.7'N 141°43.0'E 45km $\Delta t = 4.5$
 Mo: 6.32×10^{15} N·m Mw:4.5 Mj:4.5 (sec)
 mrr: 5.31 mtt: -1.56 mff: -3.75
 mrt: -0.11 mrf: 3.23 mtf: -2.68 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 17° 60° 72° P-axis: -6.18 120° 13°
 NP2: 230° 34° 118° T-axis: 6.46 250° 69°
 N-axis: -0.28 26° 15°
 V.R.: 87% ϵ : 0.04 N:21 COMP:27

2017/07/11 11:56:35.4
 SATSUMA PENINSULA REGION
 Hypo.:31°23.0'N 130°37.2'E 10km

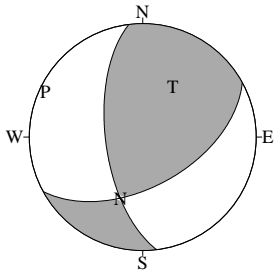


Cent.:31°20.6'N 130°36.6'E 10km $\Delta t = 4.3$
 Mo: 8.69×10^{16} N·m Mw:5.2 Mj:5.3 (sec)
 mrr: -3.37 mtt: -0.94 mff: 4.30
 mrt: -0.41 mrf: -2.67 mtf: 7.82 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 260° 68° -8° P-axis: -7.02 219° 20°
 NP2: 353° 83° -158° T-axis: 10.36 125° 10°
 N-axis: -3.34 10° 67°
 V.R.: 82% ϵ : 0.32 N:17 COMP:27

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

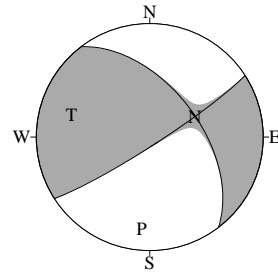
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
 Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
 mrr,mtt,mff,mrt,mrf,mtf: Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
 MOM,AZM,PLG: Moment tensor component, azimuth 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

2017/07/11 22:35:57.6
 SOUTH SAKHALIN
 Hypo.:45°59.7'N 143° 5.4'E 354km



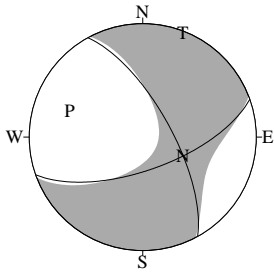
Cent.:46° 1.3'N 143° 5.4'E 357km $\Delta t = 1.1$
 Mo: 3.16×10^{16} N·m Mw:4.9 Mj:4.8 (sec)
 mrr: 1.68 mtt: 0.49 mff:-2.17
 mrt: 1.22 mrf:-1.09 mtf:-1.85 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 61° 54° 146° P-axis: -3.16 295° 6°
 NP2: 173° 63° 41° T-axis: 3.16 31° 47°
 N-axis: 0.00 200° 42°
 V.R.: 88% ϵ : 0.00 N:18 COMP:30

2017/07/12 14:36:11.2
 E OFF BOSO PENINSULA
 Hypo.:35°19.3'N 141°11.3'E 34km



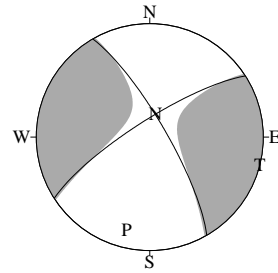
Cent.:35°14.4'N 141°10.8'E 26km $\Delta t = 0.9$
 Mo: 1.93×10^{16} N·m Mw:4.8 Mj:4.9 (sec)
 mrr: 0.26 mtt:-1.60 mff: 1.34
 mrt: 0.85 mrf: 0.71 mtf: 0.52 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 57° 84° 36° P-axis: -1.95 185° 20°
 NP2: 323° 54° 172° T-axis: 1.91 286° 29°
 N-axis: 0.04 66° 54°
 V.R.: 82% ϵ : -0.02 N:30 COMP:46

2017/07/13 04:48: 4.8
 SEA OF JAPAN
 Hypo.:40°51.8'N 131°55.3'E 603km



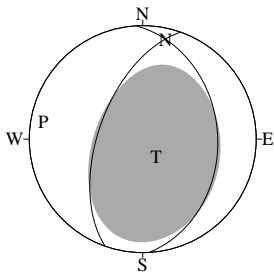
Cent.:40°46.1'N 131°54.8'E 586km $\Delta t = 3.5$
 Mo: 7.30×10^{17} N·m Mw:5.8 Mj:6.3 (sec)
 mrr:-1.42 mtt: 5.24 mff:-3.81
 mrt:-1.18 mrf:-3.89 mtf:-3.98 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 71° 66° -158° P-axis: -7.90 290° 32°
 NP2: 331° 70° -26° T-axis: 6.70 21° 2°
 N-axis: 1.10 115° 58°
 V.R.: 86% ϵ : -0.14 N:34 COMP:77

2017/07/14 19:13:50.4
 FAR SE OFF BOSO PEN
 Hypo.:34°27.8'N 141°42.0'E 31km



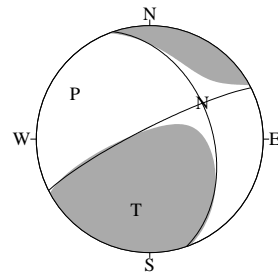
Cent.:34°27.1'N 141°42.5'E 24km $\Delta t = 0.5$
 Mo: 4.44×10^{15} N·m Mw:4.4 Mj:4.3 (sec)
 mrr:-0.74 mtt:-3.44 mff: 4.18
 mrt: 1.02 mrf:-0.25 mtf: 1.96 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 237° 78° -12° P-axis: -4.23 194° 17°
 NP2: 330° 78° -168° T-axis: 4.66 104° 0°
 N-axis: -0.43 14° 73°
 V.R.: 79% ϵ : 0.09 N:28 COMP:30

2017/07/15 12:02:23.9
 SE OFF MIYAGI PREF
 Hypo.:37°48.2'N 141°43.7'E 57km



Cent.:37°48.2'N 141°43.8'E 57km $\Delta t = 0.5$
 Mo: 8.34×10^{15} N·m Mw:4.5 Mj:4.6 (sec)
 mrr: 7.99 mtt:-1.12 mff:-6.87
 mrt:-2.47 mrf:-2.92 mtf:-0.66 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 357° 34° 71° P-axis: -7.62 280° 12°
 NP2: 199° 58° 103° T-axis: 9.07 143° 74°
 N-axis: -1.45 13° 11°
 V.R.: 84% ϵ : 0.16 N:30 COMP:35

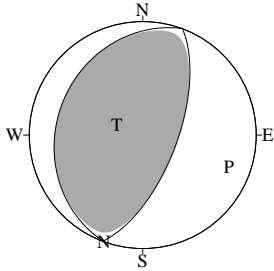
2017/07/19 16:15:26.7
 NW OFF OKINAWAJIMA IS
 Hypo.:26°25.6'N 126°31.4'E 92km



Cent.:26°25.6'N 126°31.5'E 92km $\Delta t = 0.7$
 Mo: 2.19×10^{16} N·m Mw:4.8 Mj:4.7 (sec)
 mrr: 0.37 mtt: 0.94 mff:-1.31
 mrt:-1.56 mrf:-0.34 mtf:-0.96 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 243° 82° 134° P-axis: -2.05 301° 24°
 NP2: 341° 44° 11° T-axis: 2.32 191° 37°
 N-axis: -0.27 56° 43°
 V.R.: 81% ϵ : 0.12 N:8 COMP:11

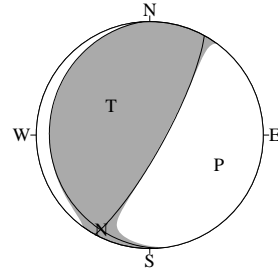
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2017/07/20 09:11:24.2
 E OFF FUKUSHIMA PREF
 Hypo.:37°20.4'N 141°35.2'E 46km



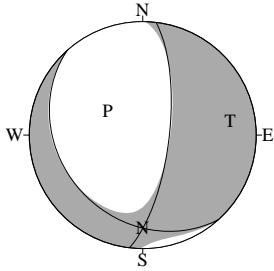
Cent.:37°25.0'N 141°35.2'E 48km $\Delta t = 7.0$
 Mo: 6.30×10^{17} N·m Mw:5.8 Mj:5.8 (sec)
 mrr: 4.88 mtt:-0.68 mff:-4.20
 mrt: 1.45 mrf: 3.84 mtf:-1.51 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 21° 65° 90° P-axis:-6.30 110° 20°
 NP2:200° 25° 89° T-axis: 6.40 291° 70°
 N-axis:-0.10 200° 0°
 V.R.: 84% ϵ : 0.02 N:22 COMP:42

2017/07/22 10:46:45.0
 FAR E OFF SANRIKU
 Hypo.:40° 7.3'N 143°12.4'E 17km



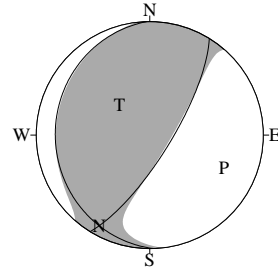
Cent.:40° 4.0'N 143°12.1'E 12km $\Delta t = 4.6$
 Mo: 5.29×10^{16} N·m Mw:5.1 Mj:5.0 (sec)
 mrr: 1.80 mtt: 0.21 mff:-2.01
 mrt: 2.43 mrf: 4.26 mtf:-0.59 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 29° 79° 97° P-axis:-5.40 113° 34°
 NP2:176° 13° 58° T-axis: 5.19 307° 55°
 N-axis: 0.20 207° 7°
 V.R.: 87% ϵ :-0.04 N:12 COMP:15

2017/07/22 18:29:34.2
 E OFF HACHIJOJIMA ISLAND
 Hypo.:32°22.9'N 140°22.1'E 100km



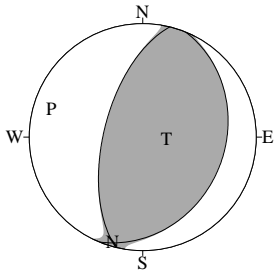
Cent.:32°22.9'N 140°21.9'E 100km $\Delta t = 0.6$
 Mo: 1.00×10^{16} N·m Mw:4.6 Mj:4.5 (sec)
 mrr:-0.60 mtt:-0.01 mff: 0.61
 mrt:-0.23 mrf:-0.72 mtf:-0.25 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 7° 71° -70° P-axis:-1.03 305° 59°
 NP2:138° 28°-135° T-axis: 0.96 81° 23°
 N-axis: 0.07 180° 19°
 V.R.: 90% ϵ :-0.07 N:24 COMP:36

2017/07/24 00:35:41.2
 FAR E OFF SANRIKU
 Hypo.:40° 7.2'N 143°22.4'E 14km



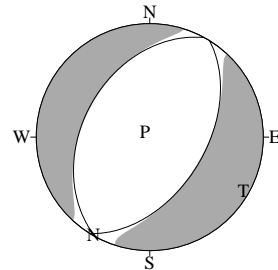
Cent.:40° 3.0'N 143°21.9'E 21km $\Delta t = 9.2$
 Mo: 3.30×10^{17} N·m Mw:5.6 Mj:5.7 (sec)
 mrr: 1.54 mtt: 0.18 mff:-1.72
 mrt: 1.57 mrf: 2.38 mtf:-0.65 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 32° 75° 100° P-axis:-3.50 114° 29°
 NP2:178° 18° 58° T-axis: 3.20 315° 59°
 N-axis: 0.20 209° 9°
 V.R.: 76% ϵ :-0.07 N:15 COMP:30

2017/07/25 21:08: 4.0
 SOUTHERN IWATE PREF
 Hypo.:39°29.7'N 142° 2.1'E 59km



Cent.:39°29.7'N 142° 2.0'E 59km $\Delta t = 0.5$
 Mo: 8.35×10^{15} N·m Mw:4.5 Mj:4.6 (sec)
 mrr: 6.86 mtt:-0.52 mff:-6.35
 mrt:-0.84 mrf:-4.54 mtf:-2.11 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 22° 28° 97° P-axis:-8.41 287° 17°
 NP2:194° 62° 86° T-axis: 8.28 94° 73°
 N-axis: 0.13 196° 4°
 V.R.: 85% ϵ :-0.02 N:23 COMP:30

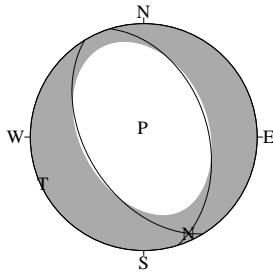
2017/07/26 19:32:57.9
 NEAR AMAMI-OSHIMA ISLAND
 Hypo.:26°55.4'N 130°11.0'E 66km



Cent.:26°45.7'N 130°11.5'E 10km $\Delta t = 4.3$
 Mo: 8.10×10^{17} N·m Mw:5.9 Mj:5.8 (sec)
 mrr:-7.83 mtt: 1.79 mff: 6.04
 mrt:-0.82 mrf:-1.02 mtf: 3.76 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 32° 50° -88° P-axis:-7.90 319° 85°
 NP2:209° 40° -92° T-axis: 8.30 120° 5°
 N-axis:-0.40 210° 1°
 V.R.: 81% ϵ : 0.05 N:26 COMP:68

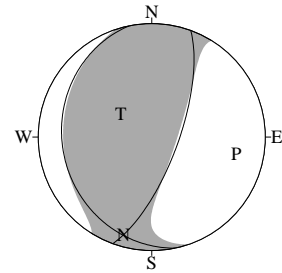
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2017/07/28 08:58:54.4
 NEAR TORISHIMA IS
 Hypo.: 29°15.7'N 142°32.5'E 47km



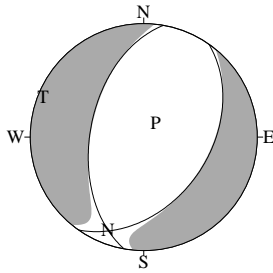
Cent.: 29°29.3'N 142°40.1'E 19km $\Delta t = 0.2$
 Mo: 7.03×10^{16} N·m Mw: 5.2 Mj: 5.2 (sec)
 mrr: -7.42 mtt: 1.88 mff: 5.53
 mrt: -1.20 mrf: 0.09 mtf: -2.06 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 343° 43° -80° P-axis: -7.57 354° 83°
 NP2: 149° 48° -100° T-axis: 6.48 245° 2°
 N-axis: 1.09 155° 7°
 V.R.: 80% ϵ : -0.14 N: 9 COMP: 14

2017/07/28 16:16:29.4
 FAR E OFF IBARAKI PREF
 Hypo.: 36°17.4'N 141°46.0'E 63km



Cent.: 36°15.5'N 141°45.5'E 22km $\Delta t = 6.6$
 Mo: 1.63×10^{16} N·m Mw: 4.7 Mj: 4.9 (sec)
 mrr: 0.90 mtt: 0.24 mff: -1.14
 mrt: 0.48 mrf: 1.16 mtf: -0.16 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 20° 71° 101° P-axis: -1.73 101° 25°
 NP2: 169° 22° 61° T-axis: 1.53 307° 62°
 N-axis: 0.20 196° 11°
 V.R.: 79% ϵ : -0.11 N: 45 COMP: 83

2017/07/30 21:45: 6.8
 FAR E OFF CENTRAL HONSHU
 Hypo.: 36°13.5'N 143°33.6'E 95km



Cent.: 36°15.9'N 143°34.2'E 10km $\Delta t = 3.9$
 Mo: 9.59×10^{16} N·m Mw: 5.3 Mj: 5.2 (sec)
 mrr: -8.80 mtt: 0.64 mff: 8.17
 mrt: -1.21 mrf: 2.09 mtf: 3.74 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 35° 42° -71° P-axis: -9.35 41° 77°
 NP2: 190° 51° -106° T-axis: 9.82 292° 5°
 N-axis: -0.48 201° 13°
 V.R.: 80% ϵ : 0.05 N: 29 COMP: 65

EQUAL AREA PROJECTON, LOWER HEMISPHERE.