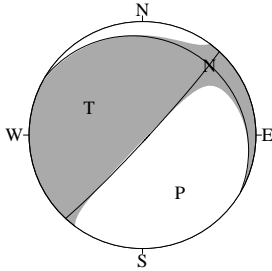


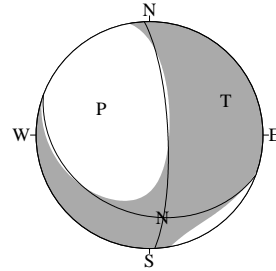
CMT SOLUTIONS FOR EARTHQUAKES IN AUGUST, 2016

2016/08/03 01:10:35.4
 KUJUKURI COAST BOSO PEN
 Hypo.:35°28.1'N 140°23.5'E 27km



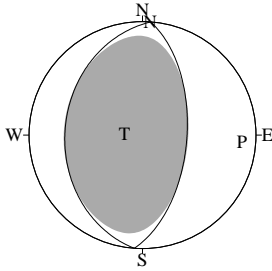
Cent.:35°28.0'N 140°24.3'E 27km $\Delta t = 0.4$
 Mo: 3.88×10^{15} N·m Mw:4.3 Mj:4.3 (sec)
 mrr: 0.36 mtt:-1.20 mff: 0.84
 mrt: 2.54 mrf: 2.70 mtf:-0.50 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 43° 86° 74° P-axis:-4.02 147° 39°
 NP2:300° 16° 167° T-axis: 3.75 297° 46°
 N-axis: 0.27 44° 16°
 V.R.: 68% ϵ :-0.07 N:19 COMP:30

2016/08/05 01:24:34.7
 IOTO ISLANDS REGION
 Hypo.:25° 7.5'N 141°54.1'E 534km



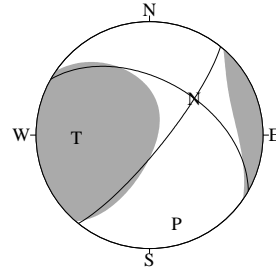
Cent.:25°16.9'N 141°55.3'E 525km $\Delta t = 5.0$
 Mo: 2.80×10^{18} N·m Mw:6.2 Mj:6.4 (sec)
 mrr:-1.19 mtt: 0.43 mff: 0.76
 mrt:-0.48 mrf:-2.28 mtf:-1.23 ($\times 10^{18}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:357° 77° -62° P-axis:-3.04 299° 50°
 NP2:111° 31°-153° T-axis: 2.56 66° 27°
 N-axis: 0.47 171° 27°
 V.R.: 84% ϵ :-0.16 N:27 COMP:57

2016/08/14 05:15: 7.4
 SE OFF BOSO PENINSULA
 Hypo.:34°31.5'N 140°23.7'E 57km



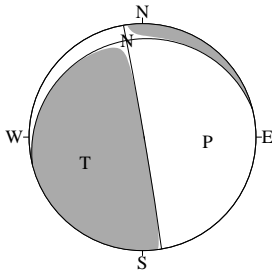
Cent.:34°35.7'N 140°23.5'E 58km $\Delta t = 6.3$
 Mo: 4.28×10^{16} N·m Mw:5.0 Mj:4.9 (sec)
 mrr: 4.00 mtt:-0.30 mff:-3.70
 mrt: 0.13 mrf: 1.85 mtf:-0.25 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 4° 58° 90° P-axis:-4.14 94° 13°
 NP2:184° 32° 90° T-axis: 4.42 274° 77°
 N-axis:-0.28 4° 0°
 V.R.: 87% ϵ : 0.06 N:38 COMP:78

2016/08/15 13:36:47.5
 IYONADA SETONAIKAI
 Hypo.:33°29.2'N 131°54.8'E 71km



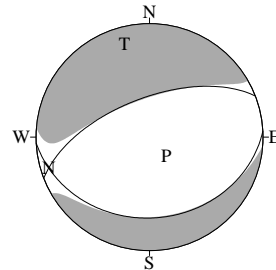
Cent.:33°29.2'N 131°54.9'E 71km $\Delta t = 0.5$
 Mo: 9.26×10^{15} N·m Mw:4.6 Mj:4.3 (sec)
 mrr: 1.37 mtt:-6.94 mff: 5.57
 mrt: 1.25 mrf: 6.82 mtf:-1.66 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 39° 79° 41° P-axis:-7.90 163° 19°
 NP2:299° 50° 166° T-axis:10.63 268° 36°
 N-axis:-2.73 51° 48°
 V.R.: 82% ϵ : 0.26 N:17 COMP:26

2016/08/15 16:04:40.2
 E OFF FUKUSHIMA PREF
 Hypo.:37°22.7'N 141°44.9'E 47km



Cent.:37°20.4'N 141°44.3'E 26km $\Delta t = 6.4$
 Mo: 2.30×10^{17} N·m Mw:5.5 Mj:5.6 (sec)
 mrr: 0.11 mtt: 0.16 mff:-0.26
 mrt:-0.41 mrf: 2.23 mtf:-0.56 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:256° 15° 176° P-axis:-2.30 94° 42°
 NP2:350° 89° 75° T-axis: 2.40 246° 44°
 N-axis: 0.00 351° 15°
 V.R.: 79% ϵ : 0.02 N:23 COMP:40

2016/08/17 04:22:24.8
 NW OFF MIYAKOJIMA ISLAND
 Hypo.:25°51.1'N 125°33.4'E 24km

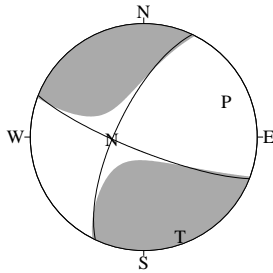


Cent.:25°51.1'N 125°33.6'E 10km $\Delta t = 0.6$
 Mo: 1.02×10^{16} N·m Mw:4.6 Mj:4.9 (sec)
 mrr:-0.81 mtt: 0.85 mff:-0.04
 mrt: 0.50 mrf: 0.26 mtf: 0.21 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 87° 29° -74° P-axis:-0.99 138° 72°
 NP2:248° 62° -99° T-axis: 1.06 345° 16°
 N-axis:-0.07 253° 8°
 V.R.: 73% ϵ : 0.07 N:7 COMP:11

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

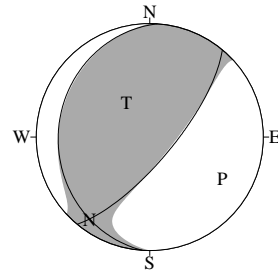
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
 Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
 mrr,mtt,mff,mrt,mrf,mtf:Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
 MOM,AZM,PLG:Moment tensor component, azimuth and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

2016/08/19 11:05:17.1
 NE KUMAMOTO PREF
 Hypo.:33° 1.0'N 131° 5.8'E 9km



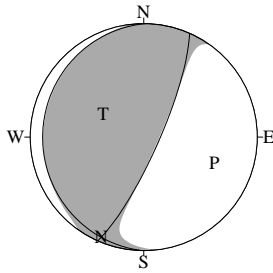
Cent.:33° 1.0'N 131° 5.8'E 10km $\Delta t = 0.4$
 $M_0: 5.36 \times 10^{15} \text{N}\cdot\text{m}$ $M_w: 4.4$ $M_j: 4.4$ (sec)
 $mrr: -1.15$ $mtt: 4.25$ $mff: -3.11$
 $mrt: -1.29$ $mrf: 1.13$ $mtf: 3.40$ ($\times 10^{15} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 205° 70° -169° P-axis: -5.04 67° 22°
 NP2: 112° 80° -20° T-axis: 5.68 160° 7°
 N-axis: -0.64 266° 67°
 V.R.: 81% $\epsilon: 0.11$ N:26 COMP:43

2016/08/20 14:14:55.9
 FAR E OFF SANRIKU
 Hypo.:39°37.2'N 143°38.4'E 41km



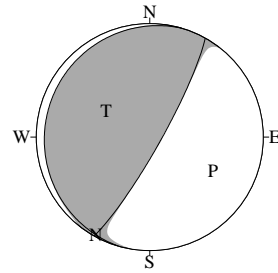
Cent.:39°30.3'N 143°37.3'E 18km $\Delta t = 11.0$
 $M_0: 1.20 \times 10^{17} \text{N}\cdot\text{m}$ $M_w: 5.3$ $M_j: 5.4$ (sec)
 $mrr: 0.63$ $mtt: 0.00$ $mff: -0.63$
 $mrt: 0.68$ $mrf: 0.74$ $mtf: -0.34$ ($\times 10^{17} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 40° 73° 102° P-axis: -1.30 120° 27°
 NP2: 184° 20° 56° T-axis: 1.20 326° 60°
 N-axis: 0.10 216° 11°
 V.R.: 75% $\epsilon: -0.07$ N:19 COMP:28

2016/08/20 18:01:23.6
 FAR E OFF SANRIKU
 Hypo.:40°22.0'N 143°46.7'E 11km



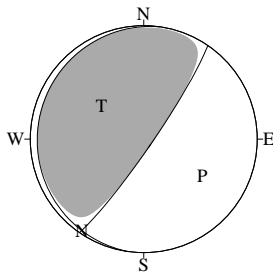
Cent.:40°17.1'N 143°47.1'E 10km $\Delta t = 11.3$
 $M_0: 1.43 \times 10^{18} \text{N}\cdot\text{m}$ $M_w: 6.0$ $M_j: 6.4$ (sec)
 $mrr: 0.50$ $mtt: 0.05$ $mff: -0.55$
 $mrt: 0.55$ $mrf: 1.21$ $mtf: -0.16$ ($\times 10^{18} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 24° 79° 95° P-axis: -1.47 110° 34°
 NP2: 181° 12° 67° T-axis: 1.40 300° 56°
 N-axis: 0.07 203° 5°
 V.R.: 79% $\epsilon: -0.05$ N:14 COMP:30

2016/08/21 00:58: 3.2
 FAR E OFF SANRIKU
 Hypo.:40°22.0'N 143°41.2'E 12km



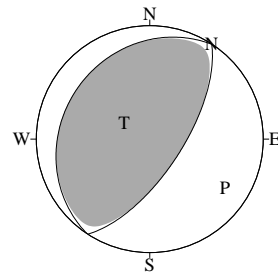
Cent.:40°25.9'N 143°39.5'E 10km $\Delta t = 13.0$
 $M_0: 9.10 \times 10^{17} \text{N}\cdot\text{m}$ $M_w: 5.9$ $M_j: 6.2$ (sec)
 $mrr: 2.40$ $mtt: -0.24$ $mff: -2.16$
 $mrt: 4.31$ $mrf: 7.61$ $mtf: -1.02$ ($\times 10^{17} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 29° 82° 92° P-axis: -9.20 118° 37°
 NP2: 196° 8° 77° T-axis: 9.00 301° 53°
 N-axis: 0.20 209° 2°
 V.R.: 68% $\epsilon: -0.02$ N:16 COMP:30

2016/08/21 01:10:35.4
 FAR E OFF SANRIKU
 Hypo.:40°24.3'N 143°29.9'E 11km



Cent.:40°30.0'N 143°31.4'E 10km $\Delta t = 8.0$
 $M_0: 1.30 \times 10^{17} \text{N}\cdot\text{m}$ $M_w: 5.3$ $M_j: 5.5$ (sec)
 $mrr: 0.30$ $mtt: -0.05$ $mff: -0.26$
 $mrt: 0.74$ $mrf: 1.06$ $mtf: -0.08$ ($\times 10^{17} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 35° 84° 93° P-axis: -1.30 122° 39°
 NP2: 189° 7° 64° T-axis: 1.30 308° 51°
 N-axis: 0.00 214° 3°
 V.R.: 58% $\epsilon: 0.03$ N:12 COMP:20

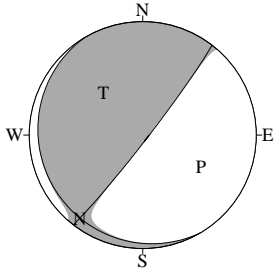
2016/08/21 01:28:12.0
 FAR E OFF SANRIKU
 Hypo.:40°18.6'N 143°38.7'E 8km



Cent.:40°15.1'N 143°39.1'E 21km $\Delta t = 8.0$
 $M_0: 7.99 \times 10^{16} \text{N}\cdot\text{m}$ $M_w: 5.2$ $M_j: 5.3$ (sec)
 $mrr: 5.85$ $mtt: -1.83$ $mff: -4.02$
 $mrt: 3.00$ $mrf: 4.63$ $mtf: -2.55$ ($\times 10^{16} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 33° 67° 90° P-axis: -7.91 123° 22°
 NP2: 214° 23° 91° T-axis: 8.06 303° 68°
 N-axis: -0.14 33° 0°
 V.R.: 71% $\epsilon: 0.02$ N:13 COMP:18

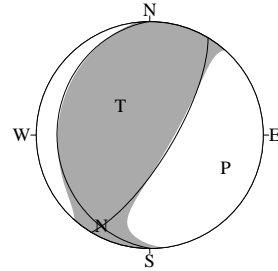
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2016/08/21 21:49:12.7
 FAR E OFF SANRIKU
 Hypo.:40°38.6'N 143°41.6'E 22km



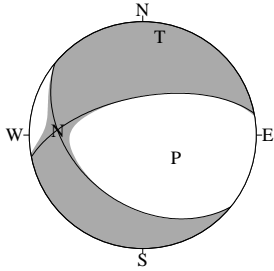
Cent.:40°43.8'N 143°41.4'E 10km $\Delta t = 9.4$
 Mo: 1.10×10^{17} N·m Mw:5.3 Mj:5.2 (sec)
 mrr: 0.12 mtt: 0.12 mff:-0.25
 mrt: 0.64 mrf: 0.82 mtf:-0.04 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 38° 86° 99° P-axis: -1.10 119° 41°
 NP2: 149° 10° 22° T-axis: 1.00 317° 48°
 N-axis: 0.00 217° 9°
 V.R.: 76% ϵ : -0.02 N:12 COMP:17

2016/08/22 08:13: 7.8
 FAR E OFF SANRIKU
 Hypo.:39°52.4'N 143°44.6'E 18km



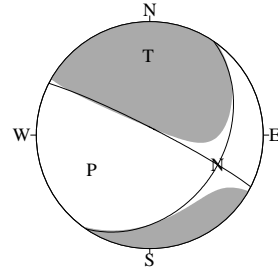
Cent.:39°42.7'N 143°43.8'E 16km $\Delta t = 10.0$
 Mo: 1.30×10^{17} N·m Mw:5.3 Mj:5.4 (sec)
 mrr: 0.65 mtt: 0.08 mff:-0.73
 mrt: 0.58 mrf: 0.90 mtf:-0.28 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 31° 73° 100° P-axis: -1.40 113° 28°
 NP2: 179° 19° 60° T-axis: 1.20 315° 60°
 N-axis: 0.10 208° 10°
 V.R.: 78% ϵ : -0.09 N:12 COMP:26

2016/08/22 15:11: 7.4
 E OFF MIYAGI PREF
 Hypo.:38°22.9'N 142°10.1'E 33km



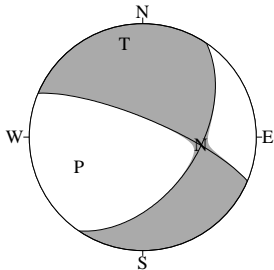
Cent.:38°24.6'N 142°10.5'E 31km $\Delta t = 2.3$
 Mo: 5.78×10^{16} N·m Mw:5.1 Mj:5.3 (sec)
 mrr: -4.19 mtt: 4.82 mff: -0.64
 mrt: 2.58 mrf: 1.96 mtf: -1.52 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 129° 39° -47° P-axis: -5.89 124° 61°
 NP2: 259° 62° -119° T-axis: 5.67 10° 13°
 N-axis: 0.21 273° 26°
 V.R.: 77% ϵ : -0.04 N:17 COMP:25

2016/08/22 18:33: 6.5
 NEAR TORISHIMA IS
 Hypo.:29°51.6'N 139°26.3'E 418km



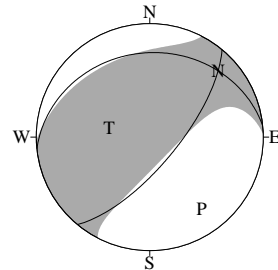
Cent.:29°55.1'N 139°24.6'E 420km $\Delta t = -0.6$
 Mo: 3.00×10^{17} N·m Mw:5.6 Mj:5.8 (sec)
 mrr: -0.43 mtt: 1.84 mff: -1.41
 mrt: 2.17 mrf: -1.05 mtf: 0.72 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 34° 35° -171° P-axis: -2.90 239° 40°
 NP2: 297° 85° -55° T-axis: 3.20 359° 31°
 N-axis: -0.30 114° 35°
 V.R.: 85% ϵ : 0.09 N:25 COMP:38

2016/08/26 02:04:41.5
 NEAR TORISHIMA IS
 Hypo.:30°34.7'N 138°13.2'E 498km



Cent.:30°33.0'N 138°12.0'E 499km $\Delta t = -0.8$
 Mo: 7.70×10^{17} N·m Mw:5.9 Mj:6.1 (sec)
 mrr: -2.24 mtt: 5.88 mff: -3.64
 mrt: 3.68 mrf: -3.03 mtf: 3.13 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 34° 50° -163° P-axis: -7.70 245° 38°
 NP2: 293° 77° -41° T-axis: 7.60 349° 17°
 N-axis: 0.10 98° 47°
 V.R.: 80% ϵ : -0.01 N:32 COMP:73

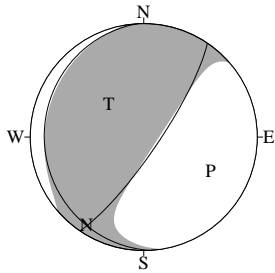
2016/08/27 22:46:28.4
 SW IBARAKI PREF
 Hypo.:36° 4.6'N 139°52.8'E 46km



Cent.:36° 4.6'N 139°53.2'E 46km $\Delta t = 0.3$
 Mo: 2.10×10^{15} N·m Mw:4.1 Mj:4.1 (sec)
 mrr: 1.10 mtt: -1.05 mff: -0.05
 mrt: 0.94 mrf: 1.20 mtf: -1.03 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 40° 70° 72° P-axis: -2.32 144° 23°
 NP2: 264° 27° 131° T-axis: 1.88 283° 60°
 N-axis: 0.43 46° 17°
 V.R.: 68% ϵ : -0.19 N:14 COMP:18

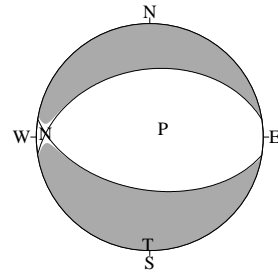
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2016/08/31 05:04:48.2
 FAR E OFF IBARAKI PREF
 Hypo.: 36°23.2'N 141°43.5'E 52km



Cent.: 36°19.2'N 141°44.0'E 10km $\Delta t = 0.8$
 Mo: 2.04×10^{16} N·m Mw: 4.8 Mj: 4.9 (sec)
 mrr: 0.63 mtt: 0.15 mff: -0.78
 mrt: 1.06 mrf: 1.55 mtf: -0.39 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 34° 79° 98° P-axis: -2.15 117° 34°
 NP2: 177° 13° 54° T-axis: 1.93 314° 55°
 N-axis: 0.22 213° 8°
 V.R.: 77% ϵ : -0.10 N: 40 COMP: 62

2016/08/31 19:46: 2.7
 NW KUMAMOTO PREF
 Hypo.: 32°43.3'N 130°37.0'E 13km



Cent.: 32°45.3'N 130°36.9'E 14km $\Delta t = 4.3$
 Mo: 3.34×10^{16} N·m Mw: 4.9 Mj: 5.2 (sec)
 mrr: -3.18 mtt: 3.29 mff: -0.11
 mrt: -0.65 mrf: 0.52 mtf: -0.01 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 99° 51° -78° P-axis: -3.33 59° 79°
 NP2: 261° 40° -104° T-axis: 3.36 181° 6°
 N-axis: -0.03 272° 9°
 V.R.: 82% ϵ : 0.01 N: 22 COMP: 39

EQUAL AREA PROJECTON, LOWER HEMISPHERE.