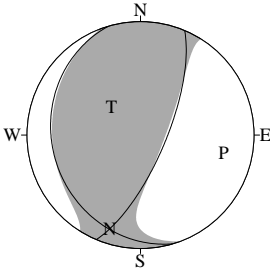


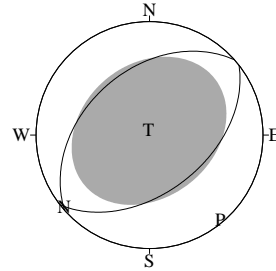
CMT SOLUTIONS FOR EARTHQUAKES IN MAY, 2015

2015/05/02 01:56:39.1
E OFF AOMORI PREF
Hypo.:40°54.6'N 143°11.4'E 17km



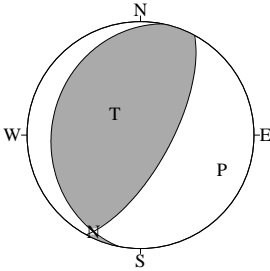
Cent.:40°59.9'N 143°11.2'E 30km $\Delta t = 6.9$
Mo: 2.86×10^{16} N·m Mw:4.9 Mj:4.9 (sec)
mrr: 1.51 mtt: 0.47 mff:-1.98
mrt: 0.97 mrf: 2.00 mtf:-0.25 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 23° 72° 104° P-axis:-3.01 102° 26°
NP2:164° 23° 53° T-axis: 2.71 314° 61°
N-axis: 0.30 198° 14°
V.R.: 74% ϵ :-0.10 N:33 COMP:58

2015/05/03 01:50:42.6
NEAR TORISHIMA IS
Hypo.:31°31.0'N 140°21.2'E 28km



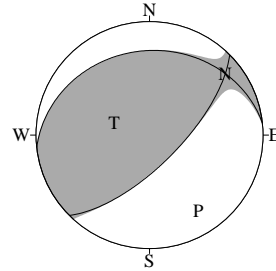
Cent.:31°21.7'N 140°19.1'E 10km $\Delta t = 4.2$
Mo: 3.90×10^{17} N·m Mw:5.7 Mj:5.9 (sec)
mrr: 4.47 mtt:-2.43 mff:-2.04
mrt: 0.44 mrf: 0.14 mtf:-1.08 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 52° 48° 92° P-axis:-3.40 140° 3°
NP2:229° 42° 87° T-axis: 4.50 349° 86°
N-axis:-1.10 230° 2°
V.R.: 79% ϵ : 0.25 N:37 COMP:90

2015/05/03 13:02:52.0
E OFF FUKUSHIMA PREF
Hypo.:37°30.4'N 141°34.6'E 45km



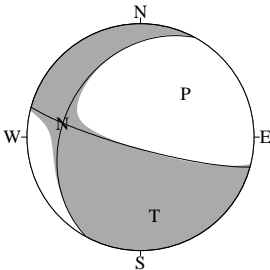
Cent.:37°32.1'N 141°35.3'E 44km $\Delta t = 0.7$
Mo: 2.45×10^{16} N·m Mw:4.9 Mj:5.0 (sec)
mrr: 1.68 mtt:-0.17 mff:-1.51
mrt: 0.93 mrf: 1.50 mtf:-0.56 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 28° 68° 97° P-axis:-2.44 113° 23°
NP2:191° 23° 74° T-axis: 2.45 310° 66°
N-axis:-0.01 206° 6°
V.R.: 78% ϵ : 0.00 N:20 COMP:26

2015/05/03 15:53:59.7
SW IBARAKI PREF
Hypo.:36° 4.1'N 139°53.0'E 46km



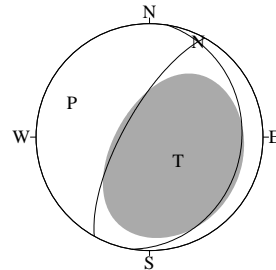
Cent.:36° 4.1'N 139°53.4'E 46km $\Delta t = 0.5$
Mo: 8.09×10^{15} N·m Mw:4.5 Mj:4.4 (sec)
mrr: 5.14 mtt:-4.71 mff:-0.43
mrt: 3.53 mrf: 4.56 mtf:-2.80 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 45° 69° 74° P-axis:-8.22 147° 22°
NP2:264° 26° 126° T-axis: 7.96 289° 63°
N-axis: 0.25 51° 15°
V.R.: 76% ϵ :-0.03 N:47 COMP:64

2015/05/03 23:30:17.0
SE GUNMA PREF
Hypo.:36° 9.3'N 138°47.0'E 145km



Cent.:36° 6.3'N 138°47.0'E 148km $\Delta t = 1.8$
Mo: 1.83×10^{16} N·m Mw:4.8 Mj:4.7 (sec)
mrr:-0.46 mtt: 0.86 mff:-0.40
mrt:-1.40 mrf: 0.59 mtf: 0.72 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:105° 82° -59° P-axis:-1.88 46° 44°
NP2:209° 32° -164° T-axis: 1.79 170° 30°
N-axis: 0.09 280° 31°
V.R.: 89% ϵ :-0.05 N:48 COMP:99

2015/05/08 15:29:17.8
E OFF MIYAGI PREF
Hypo.:38°37.3'N 142°25.0'E 37km

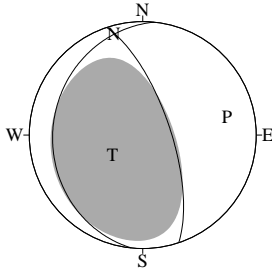


Cent.:38°37.3'N 142°25.0'E 37km $\Delta t = 0.4$
Mo: 5.03×10^{15} N·m Mw:4.4 Mj:4.5 (sec)
mrr: 3.71 mtt:-1.19 mff:-2.52
mrt:-2.30 mrf:-3.26 mtf:-0.16 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 9° 20° 71° P-axis:-4.33 294° 26°
NP2:209° 71° 97° T-axis: 5.72 130° 63°
N-axis:-1.40 27° 6°
V.R.: 78% ϵ : 0.24 N:16 COMP:19

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

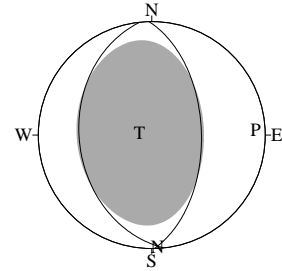
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf: Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG: Moment tensor component, azimuth and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

2015/05/08 21:11:27.8
 NEAR TORISHIMA IS
 Hypo.:31°19.4'N 142° 7.4'E 12km



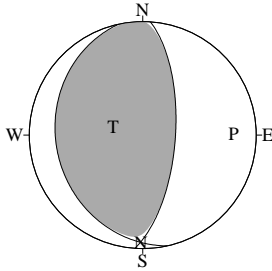
Cent.:31°14.1'N 142°11.5'E 11km $\Delta t = 1.0$
 Mo: 2.63×10^{16} N·m Mw:4.9 Mj:4.5 (sec)
 mrr: 1.85 mtt:-0.26 mff:-1.58
 mrt:-0.84 mrf: 1.83 mtf: 0.06 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:341° 70° 81° P-axis:-2.45 78° 25°
 NP2:186° 22° 113° T-axis: 2.82 237° 64°
 N-axis:-0.37 344° 8°
 V.R.: 74% ϵ : 0.13 N:27 COMP:58

2015/05/11 01:54:40.3
 NEAR TORISHIMA IS
 Hypo.:31°14.8'N 142° 9.9'E 8km



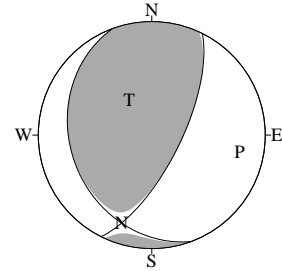
Cent.:31°20.3'N 142°11.0'E 10km $\Delta t = 6.1$
 Mo: 6.25×10^{16} N·m Mw:5.1 Mj:5.7 (sec)
 mrr: 6.36 mtt:-0.85 mff:-5.52
 mrt: 0.18 mrf: 1.92 mtf: 0.32 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:359° 54° 93° P-axis:-5.84 87° 9°
 NP2:174° 36° 86° T-axis: 6.67 281° 81°
 N-axis:-0.84 177° 2°
 V.R.: 77% ϵ : 0.13 N:33 COMP:55

2015/05/11 06:25:44.8
 NEAR TORISHIMA IS
 Hypo.:31°13.9'N 142° 8.7'E 10km



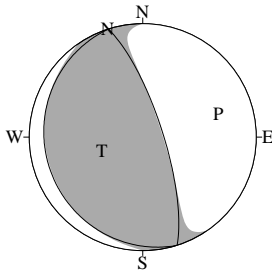
Cent.:31°12.6'N 142°10.1'E 10km $\Delta t = 7.9$
 Mo: 9.10×10^{17} N·m Mw:5.9 Mj:6.3 (sec)
 mrr: 6.65 mtt: 0.01 mff:-6.66
 mrt: 0.85 mrf: 6.11 mtf: 0.51 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 4° 66° 97° P-axis:-9.00 89° 21°
 NP2:168° 24° 75° T-axis: 9.10 286° 68°
 N-axis:-0.10 181° 6°
 V.R.: 82% ϵ : 0.01 N:36 COMP:79

2015/05/13 06:12:58.4
 E OFF MIYAGI PREF
 Hypo.:38°51.7'N 142° 9.0'E 46km



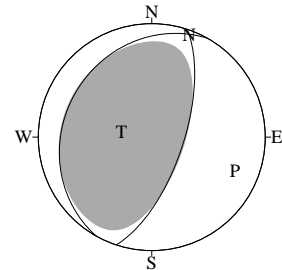
Cent.:39° 3.1'N 142° 8.0'E 47km $\Delta t = 12.0$
 Mo: 1.73×10^{19} N·m Mw:6.8 Mj:6.8 (sec)
 mrr: 1.08 mtt: 0.21 mff:-1.30
 mrt: 0.75 mrf: 0.99 mtf:-0.07 ($\times 10^{19}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 27° 69° 110° P-axis:-1.71 101° 22°
 NP2:160° 29° 47° T-axis: 1.75 327° 60°
 N-axis:-0.04 199° 19°
 V.R.: 79% ϵ : 0.02 N:24 COMP:49

2015/05/14 17:38:54.8
 NEAR TORISHIMA IS
 Hypo.:30°41.2'N 142° 6.8'E 54km



Cent.:30°41.2'N 142° 7.3'E 10km $\Delta t = 0.7$
 Mo: 1.69×10^{16} N·m Mw:4.8 Mj:4.5 (sec)
 mrr: 0.78 mtt: 0.00 mff:-0.78
 mrt:-0.45 mrf: 1.41 mtf: 0.27 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:342° 76° 90° P-axis:-1.73 73° 31°
 NP2:163° 14° 91° T-axis: 1.65 252° 59°
 N-axis: 0.08 342° 0°
 V.R.: 82% ϵ :-0.05 N:15 COMP:26

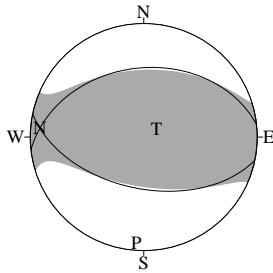
2015/05/15 12:30:35.6
 E OFF FUKUSHIMA PREF
 Hypo.:37° 3.7'N 141°10.8'E 51km



Cent.:37° 4.6'N 141°11.4'E 51km $\Delta t = 0.7$
 Mo: 2.49×10^{16} N·m Mw:4.9 Mj:5.0 (sec)
 mrr: 1.87 mtt:-0.44 mff:-1.43
 mrt: 0.45 mrf: 1.67 mtf:-0.57 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 18° 67° 86° P-axis:-2.39 112° 22°
 NP2:210° 23° 100° T-axis: 2.59 280° 68°
 N-axis:-0.20 20° 4°
 V.R.: 84% ϵ : 0.08 N:18 COMP:23

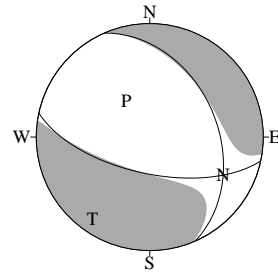
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2015/05/18 01:33:18.2
 NEAR TORISHIMA IS
 Hypo.:31°53.0'N 138°21.6'E 3km



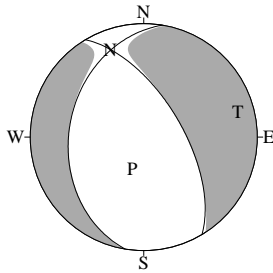
Cent.:31°39.0'N 138°22.3'E 10km Δt= 1.9
 Mo: 1.28x10¹⁶N·m Mw:4.7 Mj:4.7 (sec)
 mrr: 1.14 mtt:-1.32 mff: 0.18
 mrt: 0.29 mrf:-0.18 mtf: 0.08 (x10¹⁶N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:102° 52° 101° P-axis:-1.36 184° 7°
 NP2:264° 39° 76° T-axis: 1.20 56° 79°
 N-axis: 0.16 275° 9°
 V.R.: 88% ε:-0.12 N:34 COMP:59

2015/05/22 22:28:46.2
 NEAR AMAMI-OSHIMA ISLAND
 Hypo.:28°33.7'N 129°37.2'E 21km



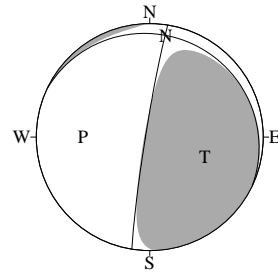
Cent.:28°24.6'N 129°37.3'E 19km Δt= 4.1
 Mo: 4.01x10¹⁶N·m Mw:5.0 Mj:5.1 (sec)
 mrr:-2.65 mtt: 1.93 mff: 0.71
 mrt:-2.10 mrf:-0.23 mtf:-2.49 (x10¹⁶N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:102° 64°-122° P-axis:-3.79 327° 59°
 NP2:336° 40° -43° T-axis: 4.24 215° 13°
 N-axis:-0.44 117° 28°
 V.R.: 83% ε: 0.10 N:27 COMP:45

2015/05/25 14:28:10.3
 EASTERN SAITAMA PREF
 Hypo.:36° 3.2'N 139°38.3'E 56km



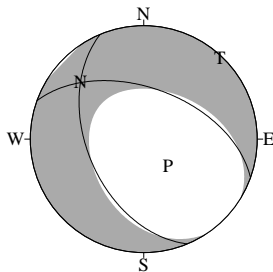
Cent.:36° 5.7'N 139°38.2'E 55km Δt= 3.5
 Mo: 7.86x10¹⁶N·m Mw:5.2 Mj:5.5 (sec)
 mrr:-5.91 mtt:-0.84 mff: 6.75
 mrt: 3.18 mrf:-2.95 mtf:-1.55 (x10¹⁶N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:329° 62°-111° P-axis:-7.73 200° 66°
 NP2:189° 34° -55° T-axis: 7.99 75° 15°
 N-axis:-0.25 339° 19°
 V.R.: 80% ε: 0.03 N:28 COMP:45

2015/05/25 15:37:40.2
 SEA OF JAPAN
 Hypo.:41°46.3'N 135°49.2'E 419km



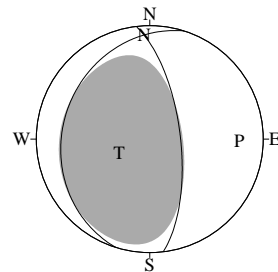
Cent.:41°46.7'N 135°48.0'E 398km Δt= 3.1
 Mo: 7.38x10¹⁶N·m Mw:5.2 Mj:5.1 (sec)
 mrr: 1.00 mtt:-0.08 mff:-0.92
 mrt:-1.34 mrf:-7.10 mtf: 1.23 (x10¹⁶N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:296° 11° 17° P-axis:-7.13 270° 41°
 NP2:189° 87° 100° T-axis: 7.64 110° 47°
 N-axis:-0.51 9° 10°
 V.R.: 84% ε: 0.07 N:20 COMP:31

2015/05/26 06:22:48.3
 TAIWAN REGION
 Hypo.:22°57.8'N 120°47.5'E 0km



Cent.:22°57.8'N 120°46.5'E 10km Δt= 0.5
 Mo: 7.68x10¹⁵N·m Mw:4.5 Mj:4.5 (sec)
 mrr:-6.51 mtt: 3.36 mff: 3.15
 mrt: 3.13 mrf: 2.57 mtf:-3.58 (x10¹⁵N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:157° 48° -54° P-axis:-8.50 138° 64°
 NP2:290° 53°-124° T-axis: 6.85 43° 2°
 N-axis: 1.65 312° 26°
 V.R.: 82% ε:-0.19 N:5 COMP:9

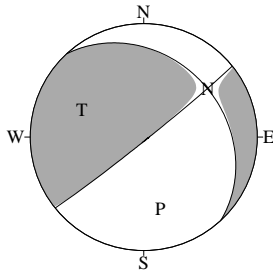
2015/05/27 10:51:26.5
 SATSUMA PENINSULA REGION
 Hypo.:31°14.6'N 130°29.4'E 146km



Cent.:31°14.6'N 130°29.5'E 146km Δt= 0.5
 Mo: 6.00x10¹⁵N·m Mw:4.5 Mj:4.1 (sec)
 mrr: 4.44 mtt:-0.52 mff:-3.93
 mrt:-1.04 mrf: 4.17 mtf:-0.48 (x10¹⁵N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:353° 68° 80° P-axis:-5.65 91° 22°
 NP2:198° 24° 113° T-axis: 6.36 246° 66°
 N-axis:-0.71 357° 9°
 V.R.: 83% ε: 0.11 N:22 COMP:23

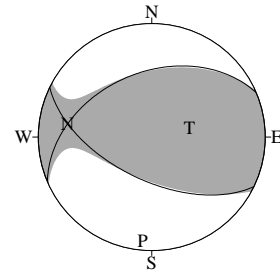
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2015/05/29 07:13:49.4
 E OFF BOSO PENINSULA
 Hypo.:35°21.5'N 141°11.3'E 35km



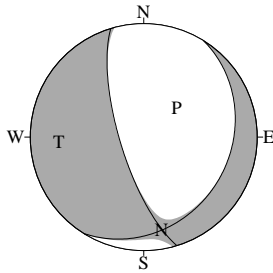
Cent.:35°17.0'N 141°10.9'E 29km $\Delta t = 0.7$
 Mo: $7.87 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.5 Mj:4.6 (sec)
 mrr:-0.60 mtt:-4.19 mff: 3.59
 mrt: 5.12 mrf: 4.45 mtf: 0.67 ($\times 10^{15} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 51° 88° 60° P-axis:-7.79 167° 35°
 NP2:317° 30° 175° T-axis: 7.95 294° 40°
 N-axis:-0.17 53° 30°
 V.R.: 78% ϵ : 0.02 N:30 COMP:39

2015/05/30 01:06:47.9
 SW IBARAKI PREF
 Hypo.:36° 8.7'N 139°48.6'E 53km



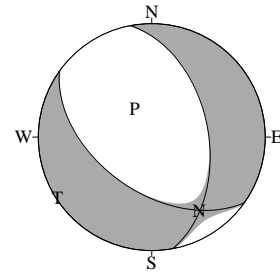
Cent.:36° 3.6'N 139°48.9'E 55km $\Delta t = 0.8$
 Mo: $1.84 \times 10^{16} \text{N}\cdot\text{m}$ Mw:4.8 Mj:4.8 (sec)
 mrr: 1.37 mtt:-1.83 mff: 0.46
 mrt: 0.47 mrf:-0.68 mtf: 0.08 ($\times 10^{16} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1:116° 59° 121° P-axis:-1.91 185° 9°
 NP2:247° 43° 50° T-axis: 1.78 77° 62°
 N-axis: 0.14 279° 26°
 V.R.: 83% ϵ :-0.07 N:47 COMP:87

2015/05/30 20:23: 2.2
 W OFF OGASAWARA
 Hypo.:27°51.6'N 140°40.9'E 682km



Cent.:27°43.4'N 140°33.3'E 688km $\Delta t = 5.0$
 Mo: $7.50 \times 10^{20} \text{N}\cdot\text{m}$ Mw:7.9 Mj:8.1 (sec)
 mrr:-4.07 mtt:-0.78 mff: 4.85
 mrt:-2.46 mrf: 5.40 mtf: 0.82 ($\times 10^{20} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 32° 25° -44° P-axis:-7.59 48° 58°
 NP2:163° 73° -108° T-axis: 7.41 267° 26°
 N-axis: 0.18 169° 18°
 V.R.: 88% ϵ :-0.02 N:26 COMP:70

2015/05/31 03:49: 6.2
 FAR E OFF IZU ISLANDS
 Hypo.:30°46.4'N 143° 7.7'E 45km



Cent.:31° 0.3'N 143° 7.3'E 11km $\Delta t = 6.3$
 Mo: $2.18 \times 10^{18} \text{N}\cdot\text{m}$ Mw:6.2 Mj:6.6 (sec)
 mrr:-1.84 mtt: 0.41 mff: 1.43
 mrt:-0.74 mrf:-0.40 mtf:-1.11 ($\times 10^{18} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1:349° 49° -58° P-axis:-2.21 329° 66°
 NP2:125° 51° -121° T-axis: 2.14 237° 1°
 N-axis: 0.07 147° 24°
 V.R.: 84% ϵ :-0.03 N:33 COMP:73