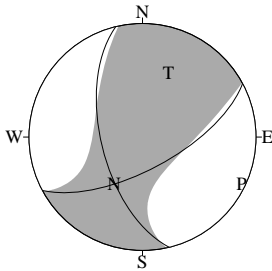


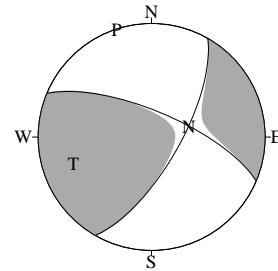
CMT SOLUTIONS FOR EARTHQUAKES IN SEPTEMBER, 2014

2014/09/03 16:24:18.9
NORTHERN TOCHIGI PREF
Hypo.:36°52.4'N 139°31.3'E 7km



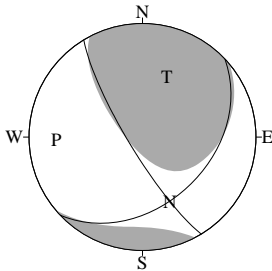
Cent.:36°55.8'N 139°31.2'E 15km $\Delta t = 3.4$
Mo: 3.20×10^{16} N·m Mw:4.9 Mj:5.1 (sec)
mrr: 1.56 mtt: 1.03 mff:-2.59
mrt: 1.08 mrf:-0.10 mtf:-2.10 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 62° 67° 147° P-axis:-3.58 115° 4°
NP2:166° 60° 27° T-axis: 2.83 22° 39°
N-axis: 0.75 211° 50°
V.R.: 75% ϵ : -0.21 N:21 COMP:31

2014/09/03 19:11:16.8
NEAR CHOSHI CITY
Hypo.:35°24.2'N 141° 5.4'E 37km



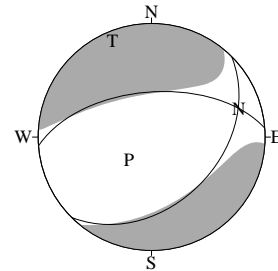
Cent.:35°19.2'N 141° 6.0'E 31km $\Delta t = 0.7$
Mo: 2.32×10^{16} N·m Mw:4.8 Mj:4.8 (sec)
mrr: 0.45 mtt:-1.85 mff: 1.40
mrt:-0.37 mrf: 0.95 mtf:-1.25 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 30° 70° 20° P-axis:-2.27 342° 1°
NP2:293° 71° 159° T-axis: 2.37 251° 28°
N-axis:-0.10 74° 62°
V.R.: 71% ϵ : 0.04 N:47 COMP:81

2014/09/04 07:49:35.3
HIDAKA MOUNTAINS REGION
Hypo.:42°46.2'N 142°40.0'E 28km



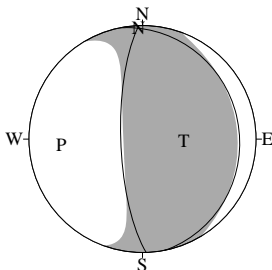
Cent.:42°45.8'N 142°40.0'E 27km $\Delta t = 2.3$
Mo: 1.10×10^{16} N·m Mw:4.6 Mj:4.7 (sec)
mrr: 0.28 mtt: 0.47 mff:-0.75
mrt: 0.65 mrf:-0.56 mtf:-0.25 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 47° 40° 164° P-axis:-1.00 268° 25°
NP2:149° 80° 51° T-axis: 1.20 22° 42°
N-axis:-0.20 157° 38°
V.R.: 72% ϵ : 0.16 N:21 COMP:32

2014/09/05 16:21:42.5
NW OFF MIYAKOJIMA ISLAND
Hypo.:25°57.6'N 125°31.2'E 24km



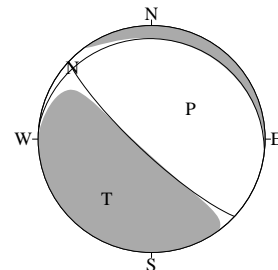
Cent.:25°42.0'N 125°33.4'E 13km $\Delta t = 7.3$
Mo: 4.14×10^{16} N·m Mw:5.0 Mj:5.1 (sec)
mrr:-3.19 mtt: 3.44 mff:-0.25
mrt: 1.53 mrf:-0.46 mtf: 2.00 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 45° 40° -123° P-axis:-3.78 225° 67°
NP2:265° 57° -65° T-axis: 4.51 338° 9°
N-axis:-0.74 72° 20°
V.R.: 65% ϵ : 0.16 N:17 COMP:28

2014/09/10 10:09:36.4
NE OFF IWATE PREF
Hypo.:40° 8.0'N 141°55.5'E 67km



Cent.:40° 8.5'N 141°55.0'E 69km $\Delta t = 2.6$
Mo: 2.51×10^{16} N·m Mw:4.9 Mj:4.9 (sec)
mrr: 1.14 mtt: 0.32 mff:-1.45
mrt: 0.06 mrf:-2.15 mtf: 0.17 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:349° 16° 81° P-axis:-2.68 266° 29°
NP2:178° 74° 92° T-axis: 2.35 92° 60°
N-axis: 0.33 358° 2°
V.R.: 79% ϵ : -0.12 N:44 COMP:76

2014/09/12 16:47:26.8
IOTO ISLANDS REGION
Hypo.:22°22.5'N 144° 4.0'E 129km

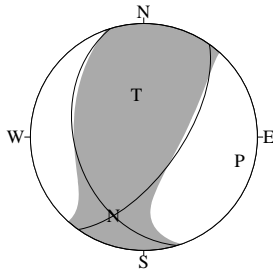


Cent.:22°25.0'N 144° 4.8'E 131km $\Delta t = 2.4$
Mo: 6.63×10^{16} N·m Mw:5.1 Mj:5.4 (sec)
mrr:-2.07 mtt: 2.00 mff: 0.07
mrt:-4.46 mrf: 4.26 mtf:-1.37 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:133° 80° -82° P-axis:-6.43 52° 54°
NP2:276° 13° -126° T-axis: 6.83 217° 35°
N-axis:-0.40 312° 7°
V.R.: 64% ϵ : 0.06 N:31 COMP:49

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

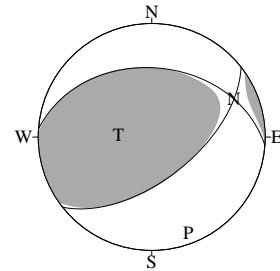
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf: Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG: Moment tensor component, azimuth and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

2014/09/14 11:18:24.3
 NEAR AMAMI-OSHIMA ISLAND
 Hypo.:29°54.4'N 131°13.4'E 28km



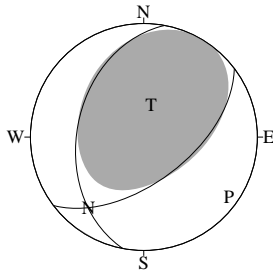
Cent.:29°54.4'N 131°16.0'E 20km $\Delta t = 0.6$
 Mo: 1.13×10^{16} N·m Mw:4.6 Mj:4.6 (sec)
 mrr: 0.73 mtt: 0.34 mff:-1.07
 mrt: 0.42 mrf: 0.39 mtf:-0.29 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 35° 64° 120° P-axis:-1.24 104° 14°
 NP2:163° 39° 45° T-axis: 1.02 350° 59°
 N-axis: 0.22 201° 27°
 V.R.: 70% ϵ : -0.18 N:21 COMP:22

2014/09/16 12:28:31.5
 SW IBARAKI PREF
 Hypo.:36° 5.6'N 139°51.8'E 47km



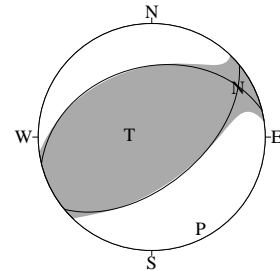
Cent.:36° 8.0'N 139°50.7'E 58km $\Delta t = 5.8$
 Mo: 1.80×10^{17} N·m Mw:5.4 Mj:5.6 (sec)
 mrr: 1.43 mtt:-1.47 mff: 0.04
 mrt: 0.35 mrf: 0.81 mtf:-0.49 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 52° 59° 65° P-axis:-1.70 159° 11°
 NP2:274° 39° 125° T-axis: 1.80 275° 66°
 N-axis:-0.10 65° 21°
 V.R.: 79% ϵ : 0.04 N:25 COMP:44

2014/09/17 03:39:38.5
 NEAR ETOROFU ISLAND
 Hypo.:45° 4.0'N 147°11.9'E 0km



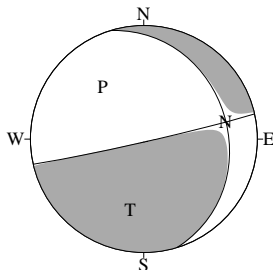
Cent.:45° 4.0'N 147°14.7'E 10km $\Delta t = 0.7$
 Mo: 2.10×10^{16} N·m Mw:4.8 Mj:4.9 (sec)
 mrr: 1.81 mtt:-0.44 mff:-1.37
 mrt: 1.08 mrf: -0.02 mtf:-0.82 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 53° 58° 116° P-axis:-1.93 125° 9°
 NP2:191° 41° 55° T-axis: 2.27 13° 66°
 N-axis:-0.34 218° 22°
 V.R.: 63% ϵ : 0.15 N:18 COMP:41

2014/09/18 08:18:55.2
 NEAR MIYAKOJIMA ISLAND
 Hypo.:24°49.6'N 125°23.7'E 50km



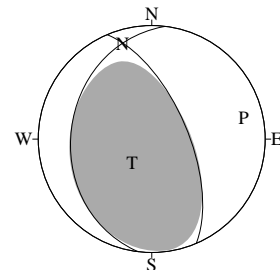
Cent.:24°17.8'N 125°23.7'E 53km $\Delta t = 2.3$
 Mo: 3.83×10^{16} N·m Mw:5.0 Mj:5.2 (sec)
 mrr: 3.34 mtt:-2.93 mff:-0.41
 mrt: 0.66 mrf: 1.18 mtf:-1.72 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 51° 55° 74° P-axis:-3.98 152° 9°
 NP2:256° 38° 111° T-axis: 3.68 276° 74°
 N-axis: 0.29 60° 13°
 V.R.: 67% ϵ : -0.07 N:13 COMP:22

2014/09/18 14:56:38.0
 NEAR KUNASHIRI ISLAND
 Hypo.:43°44.7'N 146°29.1'E 74km



Cent.:43°44.7'N 146°29.1'E 74km $\Delta t = 0.7$
 Mo: 2.15×10^{16} N·m Mw:4.8 Mj:4.9 (sec)
 mrr: -0.13 mtt: 0.57 mff:-0.44
 mrt: -1.86 mrf: -0.43 mtf:-0.83 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 77° 88° -117° P-axis:-2.13 322° 41°
 NP2:343° 27° -5° T-axis: 2.17 191° 37°
 N-axis:-0.04 78° 27°
 V.R.: 79% ϵ : 0.02 N:20 COMP:30

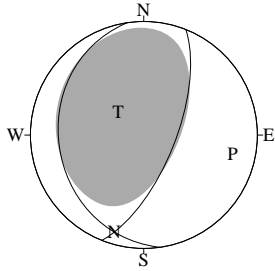
2014/09/22 16:13:38.4
 NEAR TORISHIMA IS
 Hypo.:31°30.4'N 142° 1.9'E 24km



Cent.:31°30.4'N 142° 4.3'E 10km $\Delta t = 0.5$
 Mo: 6.64×10^{15} N·m Mw:4.5 Mj:4.5 (sec)
 mrr: 5.29 mtt:-0.15 mff:-5.14
 mrt: -2.36 mrf: 3.33 mtf: 0.62 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:337° 64° 76° P-axis:-6.38 77° 18°
 NP2:187° 29° 116° T-axis: 6.90 220° 68°
 N-axis:-0.52 343° 13°
 V.R.: 68% ϵ : 0.08 N:22 COMP:32

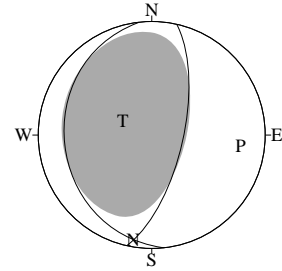
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2014/09/24 21:45:46.6
 E OFF FUKUSHIMA PREF
 Hypo.:37°32.1'N 141°24.0'E 51km



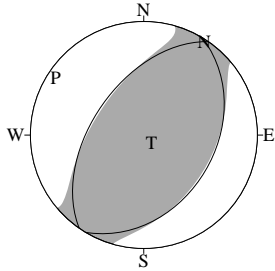
Cent.:37°38.7'N 141°23.9'E 56km $\Delta t = 4.2$
 Mo: 7.77×10^{16} N·m Mw:5.2 Mj:5.1 (sec)
 mrr: 5.93 mtt:-0.69 mff:-5.24
 mrt: 2.94 mrf: 4.61 mtf:-0.22 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 22° 67° 103° P-axis:-7.14 102° 21°
 NP2:172° 26° 62° T-axis: 8.40 313° 65°
 N-axis:-1.25 197° 12°
 V.R.: 68% ϵ : 0.15 N:12 COMP:20

2014/09/24 22:30:56.5
 E OFF FUKUSHIMA PREF
 Hypo.:37°32.1'N 141°23.5'E 51km



Cent.:37°43.5'N 141°22.5'E 54km $\Delta t = 6.1$
 Mo: 4.42×10^{16} N·m Mw:5.0 Mj:5.1 (sec)
 mrr: 3.40 mtt:-0.49 mff:-2.91
 mrt: 1.01 mrf: 2.95 mtf:-0.03 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 13° 67° 98° P-axis:-4.11 97° 22°
 NP2:174° 24° 72° T-axis: 4.72 296° 67°
 N-axis:-0.61 190° 7°
 V.R.: 68% ϵ : 0.13 N:23 COMP:34

2014/09/25 19:35: 1.6
 TAIWAN REGION
 Hypo.:22°45.8'N 121°18.5'E 21km



Cent.:22°53.6'N 121°18.1'E 21km $\Delta t = 6.3$
 Mo: 5.65×10^{16} N·m Mw:5.1 Mj:4.9 (sec)
 mrr: 5.17 mtt:-1.31 mff:-3.86
 mrt:-0.94 mrf:-1.18 mtf:-2.85 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 31° 37° 87° P-axis:-5.91 303° 8°
 NP2:215° 53° 92° T-axis: 5.38 135° 82°
 N-axis: 0.53 33° 2°
 V.R.: 73% ϵ :-0.09 N:8 COMP:14

EQUAL AREA PROJECTON, LOWER HEMISPHERE.