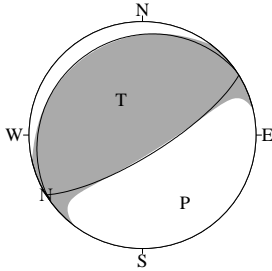


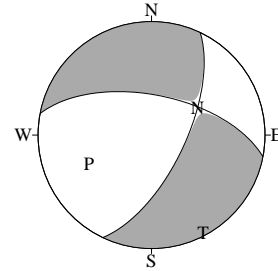
CMT SOLUTIONS FOR EARTHQUAKES IN FEBRUARY, 2014

2014/02/02 15:05:39.3
NEAR AMAMI-OSHIMA ISLAND
Hypo.:27°56.0'N 128°53.6'E 46km



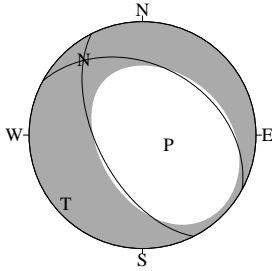
Cent.:27°56.0'N 128°53.8'E 46km $\Delta t = 0.5$
Mo: 1.02×10^{16} N·m Mw:4.6 Mj:4.5 (sec)
mrr: 0.47 mtt:-0.36 mff:-0.11
mrt: 0.76 mrf: 0.47 mtf:-0.28 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 58° 75° 90° P-axis:-1.06 148° 30°
NP2:236° 15° 88° T-axis: 0.99 329° 60°
N-axis: 0.07 238° 0°
V.R.: 52% ϵ :-0.07 N:6 COMP:10

2014/02/02 22:48:47.6
NEAR TORISHIMA IS
Hypo.:29°59.3'N 139° 5.9'E 491km



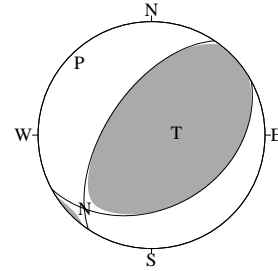
Cent.:29°43.0'N 138°51.9'E 453km $\Delta t = 0.4$
Mo: 4.30×10^{16} N·m Mw:5.0 Mj:5.1 (sec)
mrr:-1.73 mtt: 2.90 mff:-1.18
mrt: 0.69 mrf:-1.99 mtf: 2.77 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 25° 66°-148° P-axis:-4.28 245° 39°
NP2:281° 61° -28° T-axis: 4.31 152° 3°
N-axis:-0.03 59° 51°
V.R.: 54% ϵ : 0.01 N:6 COMP:12

2014/02/03 03:51: 7.2
PHILIPPINE ISL REGION
Hypo.:20°19.6'N 120°15.7'E 0km



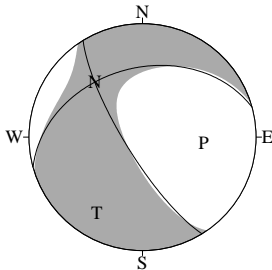
Cent.:20°13.0'N 120°14.7'E 10km $\Delta t = 5.5$
Mo: 5.86×10^{16} N·m Mw:5.1 Mj:5.0 (sec)
mrr:-5.47 mtt: 2.84 mff: 2.63
mrt: 0.42 mrf: 2.82 mtf:-2.21 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:298° 38°-118° P-axis:-6.48 110° 70°
NP2:153° 57° -69° T-axis: 5.23 228° 10°
N-axis: 1.25 322° 17°
V.R.: 85% ϵ :-0.19 N:9 COMP:18

2014/02/06 02:32:12.7
E OFF MIYAGI PREF
Hypo.:38°38.5'N 142°25.6'E 40km



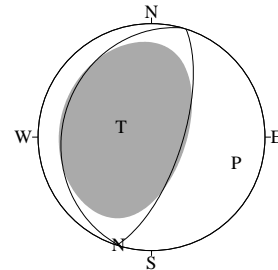
Cent.:38°37.9'N 142°25.4'E 36km $\Delta t = 4.2$
Mo: 1.20×10^{17} N·m Mw:5.3 Mj:5.3 (sec)
mrr: 1.03 mtt:-0.57 mff:-0.46
mrt:-0.12 mrf:-0.50 mtf:-0.55 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 61° 36° 113° P-axis:-1.20 315° 11°
NP2:214° 58° 74° T-axis: 1.20 85° 72°
N-axis: 0.00 222° 13°
V.R.: 79% ϵ : 0.03 N:18 COMP:35

2014/02/06 20:32:26.6
NEAR MIYAKOJIMA ISLAND
Hypo.:24°48.6'N 125°20.5'E 48km



Cent.:24°40.2'N 125°20.4'E 40km $\Delta t = 1.8$
Mo: 2.35×10^{16} N·m Mw:4.8 Mj:5.0 (sec)
mrr:-0.80 mtt: 1.47 mff:-0.67
mrt:-0.45 mrf: 1.75 mtf:-0.83 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:148° 77° -53° P-axis:-2.50 95° 45°
NP2:255° 39°-159° T-axis: 2.19 211° 23°
N-axis: 0.31 319° 36°
V.R.: 69% ϵ :-0.13 N:8 COMP:17

2014/02/08 02:18:32.8
E OFF FUKUSHIMA PREF
Hypo.:37°31.0'N 141°28.1'E 48km

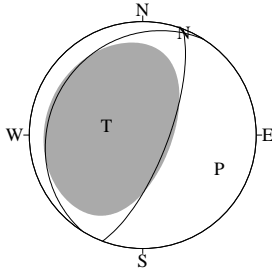


Cent.:37°28.6'N 141°28.3'E 48km $\Delta t = 0.9$
Mo: 2.97×10^{16} N·m Mw:4.9 Mj:5.0 (sec)
mrr: 2.36 mtt:-0.66 mff:-1.70
mrt: 0.67 mrf: 2.01 mtf:-0.33 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 18° 68° 91° P-axis:-2.69 107° 23°
NP2:196° 22° 88° T-axis: 3.25 289° 67°
N-axis:-0.56 197° 1°
V.R.: 69% ϵ : 0.17 N:16 COMP:28

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

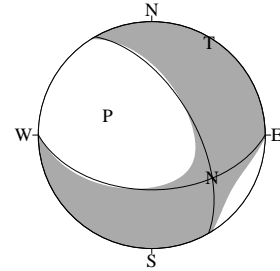
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf: Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG: Moment tensor component, azimuth and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

2014/02/08 11:34:22.4
 E OFF FUKUSHIMA PREF
 Hypo.:37° 3.9'N 141°10.6'E 51km



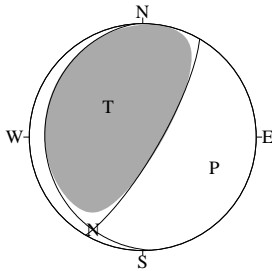
Cent.:37° 5.5'N 141°11.1'E 51km $\Delta t = 0.6$
 Mo: 1.45×10^{16} N·m Mw:4.7 Mj:4.8 (sec)
 mrr: 1.01 mtt:-0.41 mff:-0.60
 mrt: 0.36 mrf: 1.11 mtf:-0.19 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 21° 72° 86° P-axis:-1.29 114° 27°
 NP2:212° 19° 101° T-axis: 1.60 285° 63°
 N-axis:-0.31 22° 3°
 V.R.: 73% ϵ : 0.19 N:40 COMP:56

2014/02/10 17:37:49.7
 W OFF OGASAWARA
 Hypo.:28°13.5'N 140°20.4'E 421km



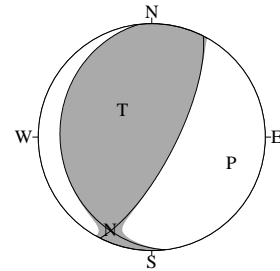
Cent.:28°13.5'N 140°16.0'E 420km $\Delta t = 0.9$
 Mo: 6.52×10^{16} N·m Mw:5.1 Mj:5.2 (sec)
 mrr:-4.30 mtt: 4.17 mff: 0.13
 mrt:-1.10 mrf:-3.59 mtf:-3.32 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 90° 50°-138° P-axis:-6.93 294° 55°
 NP2:330° 59° -48° T-axis: 6.10 32° 5°
 N-axis: 0.82 125° 35°
 V.R.: 73% ϵ :-0.12 N:31 COMP:52

2014/02/10 18:30:32.0
 FAR E OFF SANRIKU
 Hypo.:39°39.9'N 143°36.6'E 33km



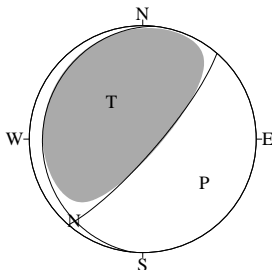
Cent.:39°39.9'N 143°38.0'E 10km $\Delta t = 0.5$
 Mo: 8.23×10^{15} N·m Mw:4.5 Mj:4.7 (sec)
 mrr: 3.62 mtt:-0.17 mff:-3.45
 mrt: 4.02 mrf: 6.23 mtf:-0.60 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 30° 78° 98° P-axis:-7.98 113° 32°
 NP2:176° 15° 57° T-axis: 8.47 311° 57°
 N-axis:-0.49 208° 8°
 V.R.: 22% ϵ : 0.06 N:26 COMP:41

2014/02/10 18:38: 0.7
 FAR E OFF SANRIKU
 Hypo.:39°41.5'N 143°38.1'E 29km



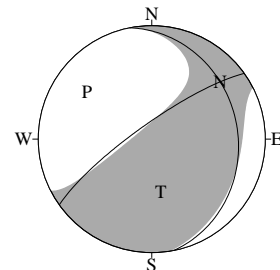
Cent.:39°41.5'N 143°39.1'E 10km $\Delta t = 0.6$
 Mo: 1.52×10^{16} N·m Mw:4.7 Mj:5.0 (sec)
 mrr: 0.83 mtt: 0.07 mff:-0.90
 mrt: 0.63 mrf: 1.06 mtf:-0.19 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 27° 73° 101° P-axis:-1.53 108° 27°
 NP2:174° 20° 58° T-axis: 1.50 313° 61°
 N-axis: 0.03 204° 11°
 V.R.: 59% ϵ :-0.02 N:40 COMP:67

2014/02/10 19:03:55.0
 FAR E OFF SANRIKU
 Hypo.:39°40.2'N 143°41.8'E 18km



Cent.:39°28.7'N 143°42.4'E 13km $\Delta t = 1.1$
 Mo: 3.28×10^{16} N·m Mw:4.9 Mj:5.0 (sec)
 mrr: 1.28 mtt:-0.19 mff:-1.09
 mrt: 2.08 mrf: 2.22 mtf:-0.34 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 41° 80° 97° P-axis:-3.16 125° 34°
 NP2:186° 13° 56° T-axis: 3.40 320° 55°
 N-axis:-0.24 220° 7°
 V.R.: 59% ϵ : 0.07 N:36 COMP:68

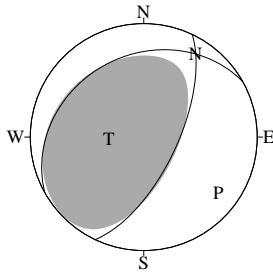
2014/02/11 04:14:38.5
 FAR S OFF BOSO PENINSULA
 Hypo.:34°11.6'N 140° 9.8'E 91km



Cent.:34°13.6'N 140°10.0'E 82km $\Delta t = 1.9$
 Mo: 1.10×10^{17} N·m Mw:5.3 Mj:5.3 (sec)
 mrr: 0.34 mtt: 0.16 mff:-0.49
 mrt:-0.78 mrf:-0.57 mtf:-0.44 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:349° 25° 27° P-axis:-1.20 306° 30°
 NP2:234° 79° 113° T-axis: 1.00 170° 51°
 N-axis: 0.20 50° 22°
 V.R.: 74% ϵ :-0.15 N:12 COMP:25

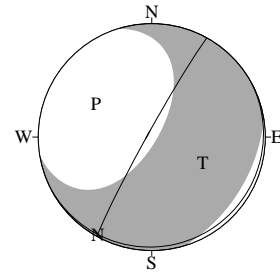
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2014/02/11 15:05:29.8
 S OFF URAKAWA
 Hypo.:41°54.9'N 142°19.7'E 72km



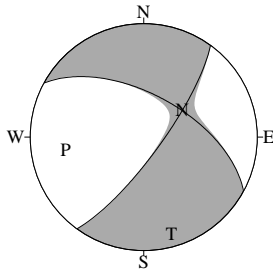
Cent.:41°54.9'N 142°19.9'E 72km $\Delta t = 0.6$
 Mo: 1.38×10^{16} N·m Mw:4.7 Mj:4.6 (sec)
 mrr: 1.05 mtt:-0.53 mff:-0.52
 mrt: 0.19 mrf: 0.90 mtf:-0.51 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 25° 66° 74° P-axis:-1.31 127° 19°
 NP2: 241° 29° 122° T-axis: 1.46 267° 65°
 N-axis:-0.15 32° 15°
 V.R.: 62% ϵ : 0.10 N:29 COMP:52

2014/02/21 08:12:37.9
 NE OFF HOKKAIDO
 Hypo.:45°44.6'N 142°44.9'E 336km



Cent.:45°40.2'N 142°44.5'E 348km $\Delta t = 0.9$
 Mo: 3.87×10^{16} N·m Mw:5.0 Mj:4.9 (sec)
 mrr:-0.49 mtt: 0.97 mff:-0.49
 mrt:-1.95 mrf:-3.32 mtf:-1.45 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 209° 87° 88° P-axis:-4.81 301° 42°
 NP2: 61° 4° 122° T-axis: 2.94 117° 48°
 N-axis: 1.86 209° 2°
 V.R.: 83% ϵ :-0.39 N:18 COMP:37

2014/02/23 13:54:18.8
 E OFF HOKKAIDO
 Hypo.:43°22.0'N 147°38.8'E 12km



Cent.:43°30.1'N 147°39.2'E 14km $\Delta t = 6.9$
 Mo: 1.40×10^{17} N·m Mw:5.4 Mj:5.5 (sec)
 mrr:-0.28 mtt: 1.16 mff:-0.88
 mrt:-0.16 mrf:-0.69 mtf: 0.48 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 36° 78° -148° P-axis:-1.40 261° 31°
 NP2: 298° 59° -14° T-axis: 1.30 164° 12°
 N-axis: 0.00 55° 56°
 V.R.: 77% ϵ :-0.03 N:11 COMP:27