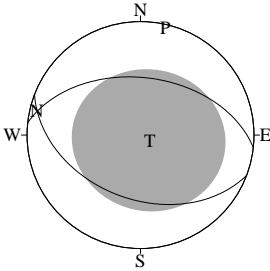


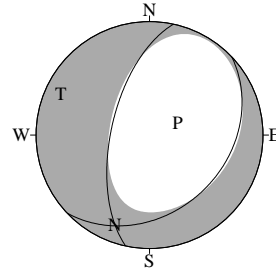
CMT SOLUTIONS FOR EARTHQUAKES IN NOVEMBER, 2014

2014/11/08 08:54:21.2
SE OFF MIYAGI PREF
Hypo.:37°48.5'N 142°18.8'E 40km



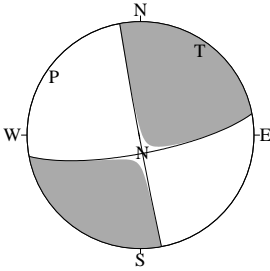
Cent.:37°59.7'N 142°17.4'E 36km $\Delta t = 6.0$
Mo: 5.09×10^{16} N·m Mw:5.1 Mj:5.2 (sec)
mrr: 6.21 mtt:-3.70 mff:-2.52
mrt:-0.69 mrf:-1.00 mtf: 0.35 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:111° 43° 101° P-axis:-3.81 13° 3°
NP2:276° 48° 80° T-axis: 6.38 122° 82°
N-axis:-2.57 283° 7°
V.R.: 72% ϵ : 0.40 N:24 COMP:42

2014/11/11 15:49: 7.0
FAR E OFF FUKUSHIMA PREF
Hypo.:37°27.4'N 143°30.1'E 50km



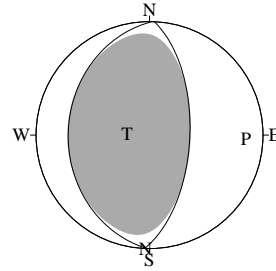
Cent.:37°27.4'N 143°31.1'E 10km $\Delta t = 0.4$
Mo: 2.30×10^{15} N·m Mw:4.2 Mj:4.6 (sec)
mrr:-1.93 mtt: 0.56 mff: 1.37
mrt:-0.17 mrf: 1.32 mtf: 0.79 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 46° 33° -60° P-axis:-2.46 67° 68°
NP2:192° 62° -108° T-axis: 2.14 295° 15°
N-axis: 0.31 201° 16°
V.R.: 78% ϵ :-0.13 N:19 COMP:22

2014/11/12 08:23:48.7
EASTERN SEA OF JAPAN
Hypo.:43° 0.7'N 138°19.2'E 249km



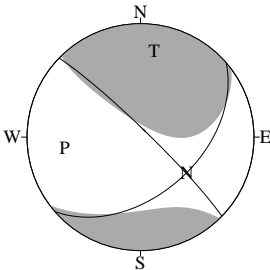
Cent.:43° 5.4'N 138°18.6'E 250km $\Delta t = 0.9$
Mo: 9.87×10^{15} N·m Mw:4.6 Mj:4.6 (sec)
mrr:-0.09 mtt: 3.55 mff:-3.46
mrt: 0.64 mrf:-2.17 mtf:-8.94 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 79° 77° 179° P-axis:-9.78 304° 9°
NP2:169° 89° 13° T-axis: 9.96 35° 10°
N-axis:-0.18 174° 77°
V.R.: 76% ϵ : 0.02 N:19 COMP:21

2014/11/12 09:53:28.9
SW IBARAKI PREF
Hypo.:36° 8.0'N 140° 5.1'E 66km



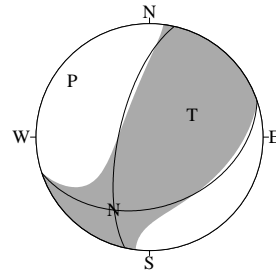
Cent.:36°12.3'N 140° 5.1'E 72km $\Delta t = 3.6$
Mo: 2.87×10^{16} N·m Mw:4.9 Mj:4.8 (sec)
mrr: 2.51 mtt:-0.15 mff:-2.36
mrt: 0.08 mrf: 1.51 mtf:-0.07 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 2° 61° 91° P-axis:-2.80 92° 16°
NP2:181° 29° 89° T-axis: 2.94 274° 74°
N-axis:-0.14 182° 0°
V.R.: 81% ϵ : 0.05 N:45 COMP:83

2014/11/12 10:13:56.1
NE WAKAYAMA PREF
Hypo.:34°14.5'N 135°41.7'E 61km



Cent.:34°14.5'N 135°41.8'E 61km $\Delta t = 0.3$
Mo: 2.28×10^{15} N·m Mw:4.2 Mj:4.3 (sec)
mrr:-0.45 mtt: 1.95 mff:-1.50
mrt: 1.22 mrf:-0.85 mtf:-0.27 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 49° 48° -173° P-axis:-2.02 262° 33°
NP2:314° 85° -42° T-axis: 2.54 9° 24°
N-axis:-0.53 128° 47°
V.R.: 64% ϵ : 0.21 N:22 COMP:27

2014/11/12 20:04:49.0
E OFF HACHIJOJIMA ISLAND
Hypo.:33° 6.2'N 140°41.8'E 64km

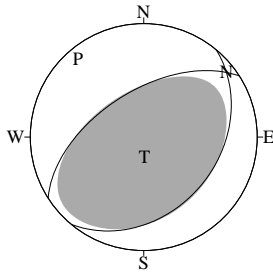


Cent.:33° 0.0'N 140°41.8'E 66km $\Delta t = 1.1$
Mo: 1.68×10^{16} N·m Mw:4.7 Mj:4.9 (sec)
mrr: 0.94 mtt:-0.26 mff:-0.69
mrt:-0.09 mrf:-0.98 mtf:-1.10 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 71° 38° 143° P-axis:-1.84 306° 17°
NP2:193° 68° 58° T-axis: 1.51 62° 55°
N-axis: 0.33 206° 29°
V.R.: 78% ϵ :-0.18 N:39 COMP:63

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

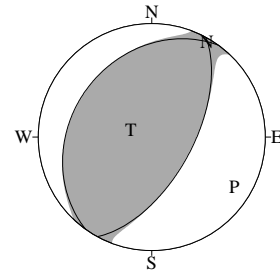
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf: Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG: Moment tensor component, azimuth and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

2014/11/14 13:16: 5.6
 KURILE ISLANDS REGION
 Hypo.:45°17.2'N 151°23.1'E 30km



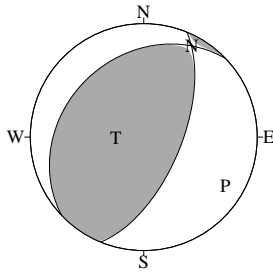
Cent.:44°31.1'N 151°20.5'E 33km $\Delta t = 6.2$
 Mo: 1.40×10^{17} N·m Mw:5.4 Mj:5.4 (sec)
 mrr: 1.32 mtt:-0.72 mff:-0.60
 mrt:-0.56 mrf:-0.17 mtf:-0.57 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 40° 34° 75° P-axis:-1.30 320° 11°
 NP2:238° 57° 100° T-axis: 1.50 177° 76°
 N-axis:-0.10 52° 8°
 V.R.: 75% ϵ : 0.09 N:8 COMP:12

2014/11/19 00:20:50.3
 E OFF TANEGASHIMA ISLAND
 Hypo.:30° 3.1'N 131°19.2'E 28km



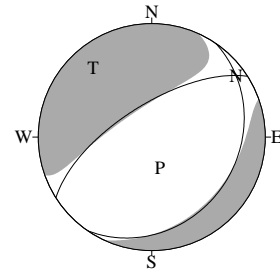
Cent.:29°53.4'N 131°19.5'E 31km $\Delta t = 1.7$
 Mo: 2.37×10^{16} N·m Mw:4.8 Mj:4.7 (sec)
 mrr: 1.98 mtt:-0.52 mff:-1.46
 mrt: 0.53 mrf: 1.11 mtf:-0.97 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 29° 61° 87° P-axis:-2.41 121° 16°
 NP2:216° 30° 96° T-axis: 2.33 290° 74°
 N-axis: 0.08 30° 3°
 V.R.: 67% ϵ :-0.03 N:17 COMP:30

2014/11/19 23:34:43.5
 E OFF TANEGASHIMA ISLAND
 Hypo.:30°36.4'N 131°34.2'E 38km



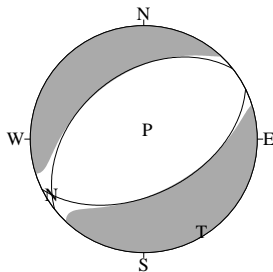
Cent.:30°31.6'N 131°34.4'E 36km $\Delta t = 1.0$
 Mo: 1.89×10^{16} N·m Mw:4.8 Mj:4.7 (sec)
 mrr: 1.51 mtt:-0.46 mff:-1.05
 mrt: 0.25 mrf: 1.07 mtf:-0.76 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 22° 63° 79° P-axis:-1.88 121° 17°
 NP2:226° 29° 111° T-axis: 1.89 268° 70°
 N-axis:-0.01 28° 10°
 V.R.: 56% ϵ : 0.01 N:23 COMP:36

2014/11/20 02:46:21.8
 TAIWAN REGION
 Hypo.:24°52.8'N 122° 0.2'E 46km



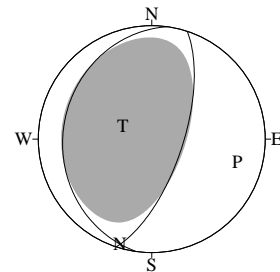
Cent.:24°48.9'N 122° 0.1'E 10km $\Delta t = 3.1$
 Mo: 9.34×10^{16} N·m Mw:5.2 Mj:5.3 (sec)
 mrr:-6.14 mtt: 3.43 mff: 2.70
 mrt: 5.56 mrf: 3.10 mtf: 4.40 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 34° 25°-111° P-axis:-8.78 165° 67°
 NP2:238° 67° -80° T-axis: 9.90 320° 21°
 N-axis:-1.12 54° 9°
 V.R.: 66% ϵ : 0.11 N:7 COMP:16

2014/11/20 07:37: 9.0
 TAIWAN REGION
 Hypo.:24°53.9'N 121°59.6'E 50km



Cent.:24°53.9'N 121°59.8'E 10km $\Delta t = 0.5$
 Mo: 1.00×10^{16} N·m Mw:4.6 Mj:4.5 (sec)
 mrr:-0.95 mtt: 0.71 mff: 0.24
 mrt:-0.18 mrf: 0.00 mtf: 0.49 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 63° 50° -83° P-axis:-0.97 21° 83°
 NP2:232° 41° -99° T-axis: 1.03 148° 4°
 N-axis:-0.06 239° 6°
 V.R.: 67% ϵ : 0.05 N:6 COMP:12

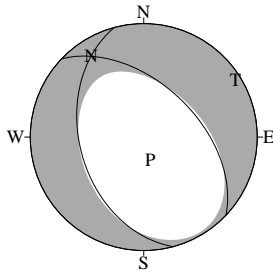
2014/11/20 10:51:43.1
 E OFF FUKUSHIMA PREF
 Hypo.:37°20.2'N 141°34.7'E 46km



Cent.:37°23.7'N 141°34.9'E 49km $\Delta t = 4.7$
 Mo: 2.60×10^{17} N·m Mw:5.5 Mj:5.5 (sec)
 mrr: 1.98 mtt:-0.35 mff:-1.63
 mrt: 0.67 mrf: 1.72 mtf:-0.28 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 18° 68° 94° P-axis:-2.40 105° 23°
 NP2:188° 23° 81° T-axis: 2.80 295° 67°
 N-axis:-0.30 197° 4°
 V.R.: 75% ϵ : 0.11 N:19 COMP:42

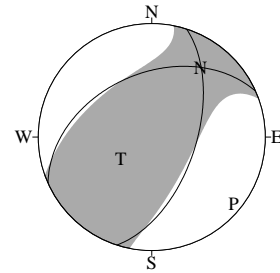
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2014/11/21 12:29:12.6
 PHILIPPINE ISL REGION
 Hypo.: 20°48.0'N 120°18.9'E 0km



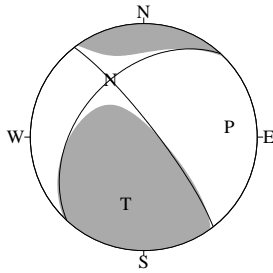
Cent.: 20°43.9'N 120°13.8'E 14km $\Delta t = 6.6$
 Mo: 6.10×10^{17} N·m Mw: 5.8 Mj: 5.5 (sec)
 mrr: -5.90 mtt: 1.60 mff: 4.30
 mrt: 2.15 mrf: 0.24 mtf: -2.38 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 314° 52° -111° P-axis: -6.50 164° 73°
 NP2: 165° 43° -66° T-axis: 5.80 58° 5°
 N-axis: 0.80 327° 16°
 V.R.: 80% ϵ : -0.12 N: 9 COMP: 25

2014/11/22 22:08:17.9
 NORTHERN NAGANO PREF
 Hypo.: 36°41.5'N 137°53.4'E 5km



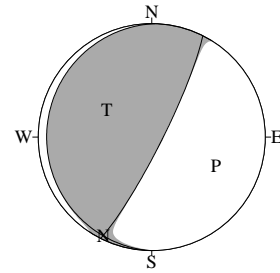
Cent.: 36°44.7'N 137°54.2'E 10km $\Delta t = 7.7$
 Mo: 2.98×10^{18} N·m Mw: 6.2 Mj: 6.7 (sec)
 mrr: 2.16 mtt: -0.77 mff: -1.39
 mrt: -0.12 mrf: 1.09 mtf: -2.09 ($\times 10^{18}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 18° 58° 59° P-axis: -3.30 129° 8°
 NP2: 246° 43° 129° T-axis: 2.66 235° 63°
 N-axis: 0.64 35° 26°
 V.R.: 77% ϵ : -0.19 N: 30 COMP: 62

2014/11/23 12:46:36.8
 NORTHERN NAGANO PREF
 Hypo.: 36°44.5'N 137°52.9'E 5km



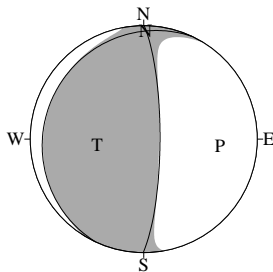
Cent.: 36°44.5'N 137°52.8'E 10km $\Delta t = 0.4$
 Mo: 4.99×10^{15} N·m Mw: 4.4 Mj: 4.4 (sec)
 mrr: 1.02 mtt: 2.68 mff: -3.70
 mrt: -2.94 mrf: 2.30 mtf: -0.50 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 223° 42° 167° P-axis: -4.70 83° 25°
 NP2: 322° 81° 48° T-axis: 5.28 195° 39°
 N-axis: -0.58 330° 41°
 V.R.: 75% ϵ : 0.11 N: 16 COMP: 20

2014/11/23 22:34:52.8
 FAR E OFF SANRIKU
 Hypo.: 39°36.3'N 143°34.0'E 31km



Cent.: 39°31.8'N 143°33.7'E 16km $\Delta t = 4.0$
 Mo: 4.39×10^{16} N·m Mw: 5.0 Mj: 5.1 (sec)
 mrr: 1.08 mtt: 0.03 mff: -1.11
 mrt: 1.93 mrf: 3.77 mtf: -0.33 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 27° 83° 93° P-axis: -4.42 114° 38°
 NP2: 181° 8° 65° T-axis: 4.36 301° 52°
 N-axis: 0.06 206° 3°
 V.R.: 78% ϵ : -0.01 N: 12 COMP: 18

2014/11/29 08:48:14.0
 FAR E OFF SANRIKU
 Hypo.: 39°33.9'N 143°44.0'E 27km



Cent.: 39°33.9'N 143°44.4'E 10km $\Delta t = 0.4$
 Mo: 4.68×10^{15} N·m Mw: 4.4 Mj: 4.6 (sec)
 mrr: 1.73 mtt: 0.22 mff: -1.95
 mrt: -0.04 mrf: 4.28 mtf: -0.44 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 0° 78° 85° P-axis: -4.79 95° 33°
 NP2: 205° 13° 114° T-axis: 4.56 263° 56°
 N-axis: 0.23 1° 5°
 V.R.: 63% ϵ : -0.05 N: 15 COMP: 22

EQUAL AREA PROJECTON, LOWER HEMISPHERE.