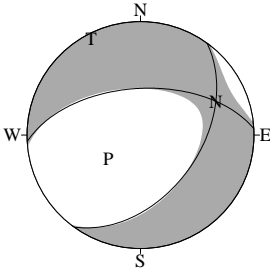


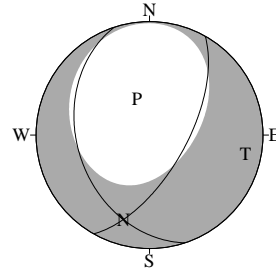
CMT SOLUTIONS FOR EARTHQUAKES IN FEBRUARY, 2016

2016/02/02 14:31:46.8
E OFF IWATE PREF
Hypo.:39°40.8'N 142°54.4'E 22km



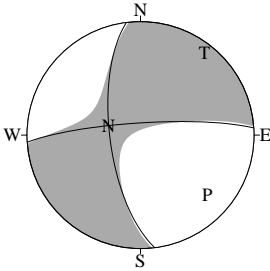
Cent.:39°37.5'N 142°54.4'E 15km $\Delta t = 2.2$
Mo: 0.97×10^{17} N·m Mw:5.3 Mj:5.6 (sec)
mrr:-0.75 mtt: 0.66 mff: 0.09
mrt: 0.34 mrf:-0.33 mtf: 0.46 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 36° 47°-130° P-axis:-1.01 233° 61°
NP2:267° 56° -56° T-axis: 0.93 333° 5°
N-axis: 0.08 66° 28°
V.R.: 78% ϵ :-0.08 N:21 COMP:41

2016/02/02 23:19:22.2
NW OFF ISHIGAKIJIMA IS
Hypo.:25°24.7'N 123°25.4'E 201km



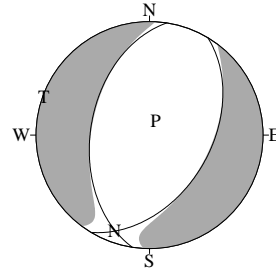
Cent.:25°22.7'N 123°25.6'E 201km $\Delta t = 3.5$
Mo: 4.50×10^{17} N·m Mw:5.7 Mj:5.8 (sec)
mrr:-3.61 mtt: 0.16 mff: 3.45
mrt:-2.68 mrf:-1.50 mtf:-0.02 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 29° 64° -64° P-axis:-5.20 341° 62°
NP2:162° 36°-131° T-axis: 3.80 101° 15°
N-axis: 1.40 197° 23°
V.R.: 78% ϵ :-0.26 N:15 COMP:29

2016/02/03 21:28:39.9
HIDA MOUNTAINS REGION
Hypo.:36°24.3'N 137°38.2'E 0km



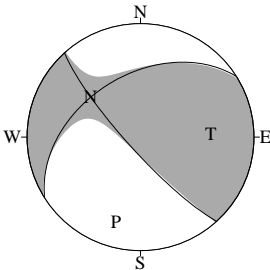
Cent.:36°24.3'N 137°38.2'E 10km $\Delta t = 0.4$
Mo: 4.99×10^{15} N·m Mw:4.4 Mj:4.4 (sec)
mrr:-0.24 mtt: 0.93 mff:-0.69
mrt: 1.83 mrf: 1.04 mtf:-4.46 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:266° 81°-158° P-axis:-5.20 132° 22°
NP2:173° 68° -9° T-axis: 4.77 38° 9°
N-axis: 0.43 287° 66°
V.R.: 74% ϵ :-0.08 N:45 COMP:70

2016/02/04 02:59:40.2
E OFF IBARAKI PREF
Hypo.:36°49.8'N 141°19.5'E 29km



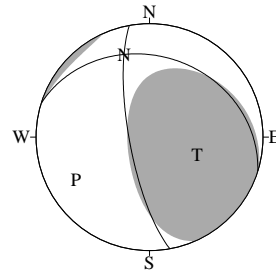
Cent.:36°49.8'N 141°19.6'E 10km $\Delta t = 0.4$
Mo: 5.39×10^{15} N·m Mw:4.4 Mj:4.7 (sec)
mrr:-5.04 mtt: 0.19 mff: 4.85
mrt:-0.84 mrf: 0.44 mtf: 1.93 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 31° 45° -74° P-axis:-5.23 23° 79°
NP2:189° 47°-106° T-axis: 5.55 290° 1°
N-axis:-0.32 200° 11°
V.R.: 75% ϵ : 0.06 N:41 COMP:74

2016/02/05 16:02:19.3
SE GUNMA PREF
Hypo.:36°21.8'N 139° 9.2'E 139km



Cent.:36°21.8'N 139° 9.6'E 139km $\Delta t = 0.3$
Mo: 2.42×10^{15} N·m Mw:4.2 Mj:4.0 (sec)
mrr: 0.61 mtt:-1.94 mff: 1.33
mrt: 0.98 mrf:-1.31 mtf: 0.52 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:238° 45° 14° P-axis:-2.51 196° 23°
NP2:138° 80° 134° T-axis: 2.34 87° 38°
N-axis: 0.17 309° 43°
V.R.: 75% ϵ :-0.07 N:9 COMP:14

2016/02/06 04:57:24.3
TAIWAN REGION
Hypo.:22°48.7'N 120°26.9'E 16km

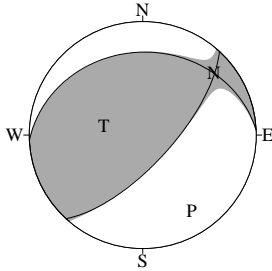


Cent.:22°53.8'N 120°26.1'E 20km $\Delta t = 6.3$
Mo: 4.40×10^{18} N·m Mw:6.4 Mj:6.4 (sec)
mrr: 2.17 mtt:-1.34 mff:-0.83
mrt:-0.40 mrf:-3.66 mtf: 1.71 ($\times 10^{18}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:288° 29° 31° P-axis:-3.90 240° 26°
NP2:170° 75° 116° T-axis: 4.90 110° 53°
N-axis:-1.01 343° 25°
V.R.: 82% ϵ : 0.21 N:8 COMP:19

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

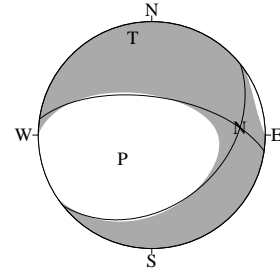
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf: Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG: Moment tensor component, azimuth and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

2016/02/07 19:26:57.3
 SW IBARAKI PREF
 Hypo.:36° 3.1'N 139°54.2'E 43km



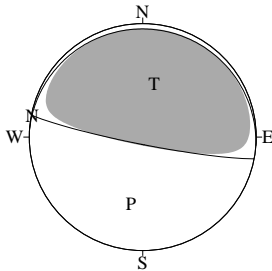
Cent.:36° 3.1'N 139°54.4'E 43km $\Delta t = 0.5$
 Mo: 7.34×10^{15} N·m Mw:4.5 Mj:4.6 (sec)
 mrr:-4.47 mtt:-4.31 mff:-0.15
 mrt: 2.98 mrf: 4.36 mtf:-2.60 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 43° 70° 71° P-axis:-7.45 147° 22°
 NP2:267° 28° 131° T-axis: 7.24 284° 61°
 N-axis: 0.21 49° 18°
 V.R.: 71% ϵ :-0.03 N:36 COMP:58

2016/02/15 03:09:24.6
 NEAR TORISHIMA IS
 Hypo.:30°18.6'N 139° 7.0'E 438km



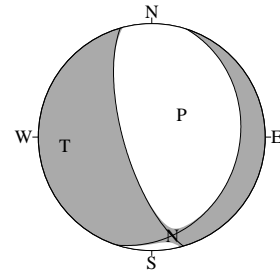
Cent.:30°20.2'N 139° 5.2'E 445km $\Delta t = -0.5$
 Mo: 4.50×10^{17} N·m Mw:5.7 Mj:6.0 (sec)
 mrr:-3.49 mtt: 3.50 mff:-0.01
 mrt: 2.19 mrf:-1.54 mtf: 1.18 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 51° 37°-130° P-axis:-4.80 231° 63°
 NP2:278° 62° -64° T-axis: 4.30 349° 14°
 N-axis: 0.50 85° 23°
 V.R.: 83% ϵ :-0.11 N:28 COMP:46

2016/02/15 07:47:59.7
 TOKACHI REGION
 Hypo.:43° 3.3'N 143°19.1'E 136km



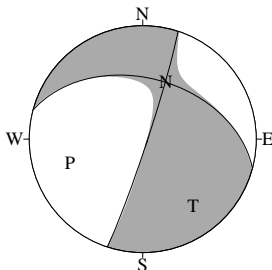
Cent.:43° 3.3'N 143°19.2'E 136km $\Delta t = 0.4$
 Mo: 4.29×10^{15} N·m Mw:4.4 Mj:4.2 (sec)
 mrr: 0.90 mtt:-0.67 mff:-0.23
 mrt: 4.14 mrf:-0.82 mtf: 0.04 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:101° 85° 91° P-axis:-4.18 190° 40°
 NP2:274° 5° 83° T-axis: 4.41 12° 50°
 N-axis:-0.23 281° 1°
 V.R.: 79% ϵ : 0.05 N:12 COMP:15

2016/02/19 22:13:50.8
 E OFF FUKUSHIMA PREF
 Hypo.:37°13.9'N 142°10.1'E 26km



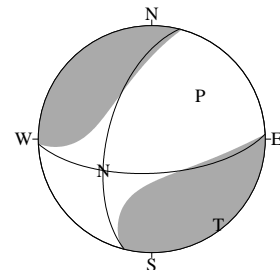
Cent.:37°12.7'N 142°10.3'E 29km $\Delta t = 1.5$
 Mo: 6.95×10^{16} N·m Mw:5.2 Mj:5.3 (sec)
 mrr:-4.43 mtt:-0.38 mff: 4.81
 mrt:-1.98 mrf: 4.79 mtf: 0.10 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 18° 24° -58° P-axis:-6.99 53° 63°
 NP2:164° 70°-103° T-axis: 6.91 264° 24°
 N-axis: 0.08 168° 12°
 V.R.: 77% ϵ :-0.01 N:23 COMP:38

2016/02/20 19:21:35.5
 SOUTH SAKHALIN
 Hypo.:46°17.9'N 140°30.2'E 5km



Cent.:46°17.8'N 140°30.1'E 10km $\Delta t = 0.4$
 Mo: 3.91×10^{15} N·m Mw:4.3 Mj:4.6 (sec)
 mrr:-0.28 mtt: 1.70 mff:-1.43
 mrt:-0.56 mrf:-2.70 mtf: 2.28 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 18° 87°-135° P-axis:-4.00 252° 33°
 NP2:285° 45° -5° T-axis: 3.81 143° 27°
 N-axis: 0.19 22° 45°
 V.R.: 77% ϵ :-0.05 N:13 COMP:16

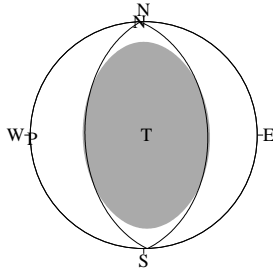
2016/02/22 03:03:26.2
 E OFF FUKUSHIMA PREF
 Hypo.:37°24.9'N 141°51.6'E 29km



Cent.:37°24.9'N 141°51.6'E 10km $\Delta t = 0.4$
 Mo: 4.72×10^{15} N·m Mw:4.4 Mj:4.7 (sec)
 mrr:-2.47 mtt: 2.14 mff: 0.33
 mrt:-1.37 mrf: 0.76 mtf: 3.94 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 88° 65° -36° P-axis:-4.11 48° 42°
 NP2:194° 58°-151° T-axis: 5.33 142° 5°
 N-axis:-1.21 237° 48°
 V.R.: 79% ϵ : 0.23 N:18 COMP:21

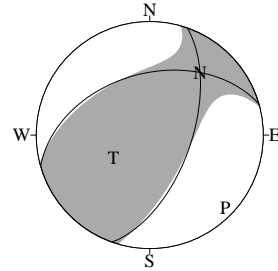
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2016/02/22 06:26:41.0
 IOTO ISLANDS REGION
 Hypo.:24°36.5'N 143°21.7'E 120km



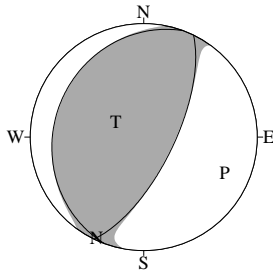
Cent.:24° 5.4'N 143°13.3'E 43km $\Delta t = -2.5$
 Mo: 3.60×10^{17} N·m Mw:5.6 Mj:5.8 (sec)
 mrr: 3.78 mtt:-0.44 mff:-3.34
 mrt:-0.01 mrf:-0.25 mtf: 0.09 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:358° 43° 90° P-axis:-3.40 268° 2°
 NP2:178° 47° 90° T-axis: 3.80 94° 88°
 N-axis:-0.40 358° 0°
 V.R.: 63% ϵ : 0.11 N:19 COMP:32

2016/02/23 03:41: 6.1
 OFF NEMURO PENINSULA
 Hypo.:43° 4.4'N 145°39.7'E 47km



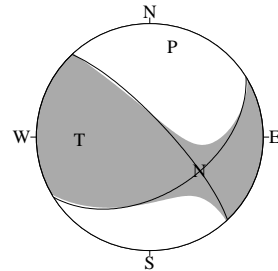
Cent.:43° 4.4'N 145°40.3'E 47km $\Delta t = 0.5$
 Mo: 7.34×10^{15} N·m Mw:4.5 Mj:4.6 (sec)
 mrr: 5.06 mtt:-2.68 mff:-2.38
 mrt:-0.50 mrf: 3.13 mtf:-5.03 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 19° 60° 55° P-axis:-7.84 134° 8°
 NP2:254° 45° 135° T-axis: 6.85 238° 59°
 N-axis: 0.99 39° 30°
 V.R.: 78% ϵ :-0.13 N:20 COMP:26

2016/02/25 01:10:50.8
 E OFF MIYAGI PREF
 Hypo.:38°18.2'N 141°52.7'E 46km



Cent.:38°19.2'N 141°52.9'E 46km $\Delta t = 0.5$
 Mo: 1.00×10^{16} N·m Mw:4.6 Mj:4.6 (sec)
 mrr: 0.67 mtt:-0.08 mff:-0.59
 mrt: 0.33 mrf: 0.65 mtf:-0.27 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 26° 68° 92° P-axis:-1.02 114° 23°
 NP2:201° 22° 85° T-axis: 0.98 299° 67°
 N-axis: 0.04 205° 2°
 V.R.: 74% ϵ :-0.03 N:38 COMP:56

2016/02/29 17:11:56.8
 NEAR TORISHIMA IS
 Hypo.:30°15.9'N 138°48.6'E 65km



Cent.:30°13.5'N 138°55.0'E 10km $\Delta t = 0.9$
 Mo: 2.11×10^{16} N·m Mw:4.8 Mj:4.6 (sec)
 mrr: 0.66 mtt:-1.85 mff: 1.19
 mrt:-0.76 mrf: 1.04 mtf: 0.47 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 58° 48° 16° P-axis:-2.23 14° 19°
 NP2:317° 78° 137° T-axis: 2.00 268° 38°
 N-axis: 0.23 124° 46°
 V.R.: 70% ϵ :-0.10 N:34 COMP:52

EQUAL AREA PROJECTON, LOWER HEMISPHERE.