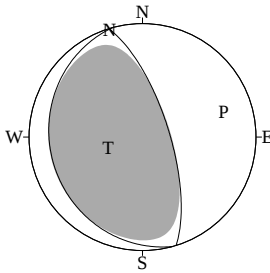


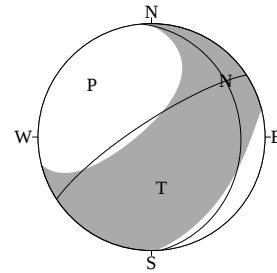
CMT SOLUTIONS FOR EARTHQUAKES IN JANUARY, 2016

2016/01/01 04:08: 2.7
NEAR TORISHIMA IS
Hypo.:31°10.6'N 141°58.2'E 5km



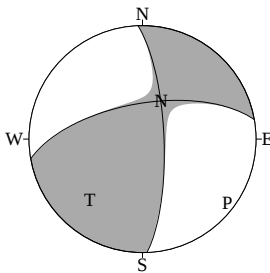
Cent.:31°12.3'N 142° 4.8'E 10km $\Delta t = 0.6$
Mo: 2.45×10^{16} N·m Mw:4.9 Mj:4.7 (sec)
mrr: 1.60 mtt:-0.25 mff:-1.36
mrt:-0.58 mrf: 1.83 mtf: 0.35 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:343° 71° 89° P-axis:-2.38 73° 26°
NP2:165° 19° 92° T-axis: 2.52 252° 64°
N-axis:-0.15 343° 1°
V.R.: 65% ϵ : 0.06 N:22 COMP:41

2016/01/02 13:22:16.2
NEAR VLADIVOSTOK
Hypo.:45° 0.3'N 130°32.0'E 681km



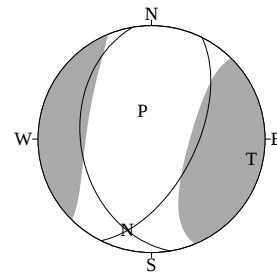
Cent.:44°46.0'N 130°26.9'E 641km $\Delta t = 4.7$
Mo: 5.30×10^{17} N·m Mw:5.7 Mj:5.7 (sec)
mrr: 1.18 mtt: 0.27 mff:-1.44
mrt:-3.47 mrf:-2.99 mtf:-2.84 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:355° 22° 30° P-axis:-6.30 311° 31°
NP2:237° 79° 110° T-axis: 4.30 169° 52°
N-axis: 2.00 53° 19°
V.R.: 85% ϵ :-0.32 N:26 COMP:44

2016/01/03 23:39:30.5
IOTO ISLANDS REGION
Hypo.:23°34.0'N 142°40.9'E 179km



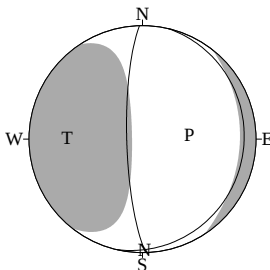
Cent.:23°14.3'N 142°35.7'E 142km $\Delta t = 1.5$
Mo: 2.40×10^{16} N·m Mw:4.9 Mj:5.3 (sec)
mrr: 0.60 mtt: 0.15 mff:-0.75
mrt:-0.56 mrf: 0.88 mtf:-2.05 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:358° 75° 27° P-axis:-2.44 127° 7°
NP2:260° 64° 163° T-axis: 2.36 221° 30°
N-axis: 0.07 26° 59°
V.R.: 71% ϵ :-0.03 N:14 COMP:21

2016/01/05 11:21:11.6
N PHILIPPINE BASIN
Hypo.:30°31.6'N 132°53.1'E 58km



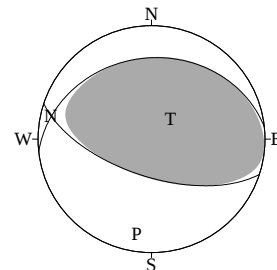
Cent.:30°33.2'N 132°53.0'E 10km $\Delta t = 5.7$
Mo: 6.00×10^{17} N·m Mw:5.8 Mj:5.6 (sec)
mrr:-3.95 mtt:-2.75 mff: 6.70
mrt:-0.86 mrf:-2.02 mtf: 1.91 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 26° 58° -69° P-axis:-4.50 342° 69°
NP2:170° 38° -120° T-axis: 7.50 101° 11°
N-axis:-3.00 195° 18°
V.R.: 80% ϵ : 0.40 N:32 COMP:73

2016/01/06 06:59:51.3
IOTO ISLANDS REGION
Hypo.:22°13.1'N 143°49.8'E 185km



Cent.:22°19.3'N 143°56.3'E 167km $\Delta t = 3.4$
Mo: 3.40×10^{17} N·m Mw:5.6 Mj:6.0 (sec)
mrr:-0.85 mtt:-0.91 mff: 1.76
mrt:-0.05 mrf: 3.12 mtf: 0.11 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 13° 12° -76° P-axis:-2.90 85° 56°
NP2:179° 79° -93° T-axis: 3.80 271° 34°
N-axis:-0.90 179° 3°
V.R.: 76% ϵ : 0.24 N:29 COMP:52

2016/01/09 23:12:38.3
NEAR AMAMI-OSHIMA ISLAND
Hypo.:28° 2.7'N 129°29.5'E 28km

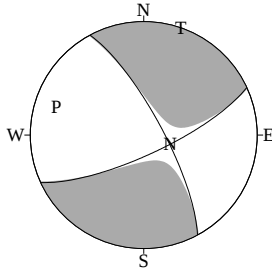


Cent.:27°53.0'N 129°29.7'E 32km $\Delta t = 3.6$
Mo: 1.70×10^{17} N·m Mw:5.4 Mj:5.4 (sec)
mrr: 1.40 mtt:-1.38 mff:-0.02
mrt: 0.89 mrf:-0.48 mtf: 0.13 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:108° 63° 102° P-axis:-1.70 189° 17°
NP2:263° 29° 68° T-axis: 1.80 43° 70°
N-axis:-0.10 283° 10°
V.R.: 83% ϵ : 0.04 N:29 COMP:62

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

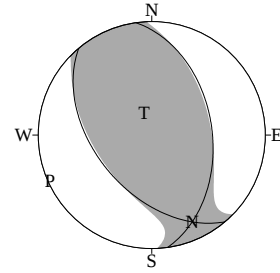
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf:Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG:Moment tensor component, azimuth and plunge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

2016/01/11 13:52:56.2
TAIWAN REGION
Hypo.:23°23.6'N 121°34.9'E 35km



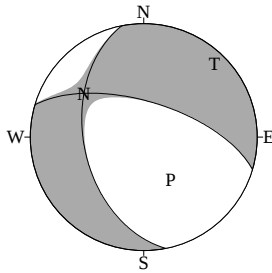
Cent.:23°23.4'N 121°34.4'E 42km $\Delta t = 0.7$
Mo: 1.32×10^{16} N·m Mw:4.7 Mj:4.8 (sec)
mrr:-0.21 mtt: 1.10 mff:-0.89
mrt:-0.11 mrf:-0.37 mtf:-0.75 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 65° 76° -166° P-axis:-1.28 288° 20°
NP2:332° 76° -15° T-axis: 1.35 19° 0°
N-axis:-0.07 109° 70°
V.R.: 76% ϵ : 0.05 N:7 COMP:11

2016/01/11 15:26:41.1
EASTERN AOMORI PREF
Hypo.:40°23.2'N 141°15.8'E 10km



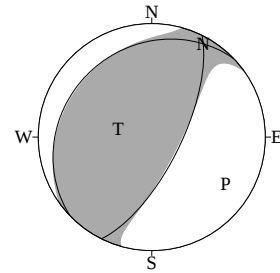
Cent.:40°23.2'N 141°15.8'E 10km $\Delta t = 0.4$
Mo: 3.56×10^{15} N·m Mw:4.3 Mj:4.6 (sec)
mrr: 3.14 mtt:-0.14 mff:-3.01
mrt: 0.85 mrf: 0.17 mtf: 1.61 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:352° 46° 113° P-axis:-3.73 246° 2°
NP2:140° 49° 68° T-axis: 3.40 341° 73°
N-axis: 0.33 155° 17°
V.R.: 76% ϵ :-0.09 N:24 COMP:30

2016/01/12 02:08: 1.9
NW OFF HOKKAIDO
Hypo.:44°25.8'N 141°12.6'E 265km



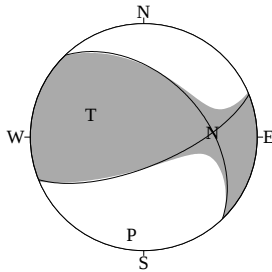
Cent.:44°18.1'N 141°13.2'E 261km $\Delta t = 6.2$
Mo: 2.67×10^{18} N·m Mw:6.2 Mj:6.2 (sec)
mrr:-1.61 mtt: 0.63 mff: 0.98
mrt: 1.48 mrf: 0.39 mtf:-1.68 ($\times 10^{18}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:169° 46° -37° P-axis:-2.71 148° 53°
NP2:286° 64° -130° T-axis: 2.62 44° 11°
N-axis: 0.09 306° 35°
V.R.: 80% ϵ :-0.03 N:24 COMP:57

2016/01/14 12:25:33.3
S OFF URAKAWA
Hypo.:41°58.2'N 142°48.0'E 52km



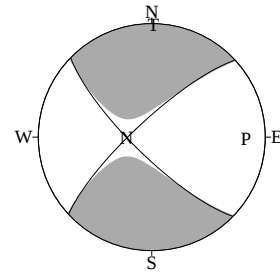
Cent.:41°45.3'N 142°49.3'E 50km $\Delta t = 6.5$
Mo: 1.27×10^{19} N·m Mw:6.7 Mj:6.7 (sec)
mrr: 0.79 mtt:-0.22 mff:-0.56
mrt: 0.38 mrf: 0.86 mtf:-0.48 ($\times 10^{19}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 26° 69° 83° P-axis:-1.31 122° 24°
NP2:226° 22° 109° T-axis: 1.22 284° 65°
N-axis: 0.09 29° 7°
V.R.: 81% ϵ :-0.07 N:25 COMP:43

2016/01/18 09:56:48.1
SAGAMI BAY REGION
Hypo.:35°10.9'N 139°16.6'E 150km



Cent.:35°10.9'N 139°16.5'E 150km $\Delta t = 0.5$
Mo: 6.50×10^{15} N·m Mw:4.5 Mj:4.3 (sec)
mrr: 3.30 mtt:-5.87 mff: 2.58
mrt: 2.74 mrf: 2.42 mtf: 1.75 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 68° 69° 48° P-axis:-6.76 187° 14°
NP2:316° 46° 150° T-axis: 6.24 293° 48°
N-axis: 0.51 86° 39°
V.R.: 73% ϵ :-0.08 N:12 COMP:15

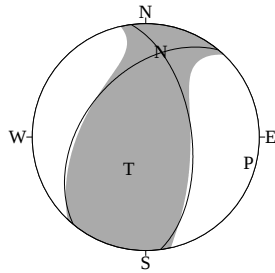
2016/01/19 11:13:25.9
TAIWAN REGION
Hypo.:22°50.0'N 121°17.5'E 29km



Cent.:22°27.7'N 121°17.5'E 31km $\Delta t = 2.1$
Mo: 3.20×10^{17} N·m Mw:5.6 Mj:5.8 (sec)
mrr:-0.45 mtt: 3.27 mff:-2.82
mrt: 0.06 mrf: 0.85 mtf:-0.08 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:227° 78° -167° P-axis:-3.10 91° 18°
NP2:134° 77° -12° T-axis: 3.30 1° 1°
N-axis:-0.20 268° 72°
V.R.: 72% ϵ : 0.06 N:14 COMP:26

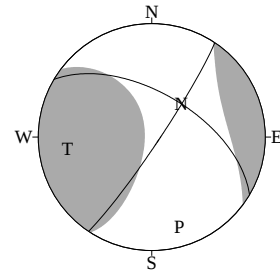
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2016/01/21 06:53:41.6
OFF NEMURO PENINSULA
Hypo.:43° 4.0'N 146° 3.1'E 50km



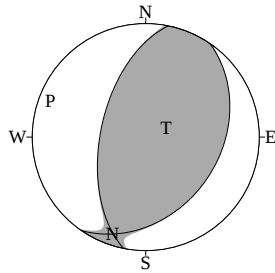
Cent.:43° 2.8'N 146° 3.7'E 47km $\Delta t = 0.5$
Mo: $1.81 \times 10^{16} \text{N}\cdot\text{m}$ Mw:4.8 Mj:5.1 (sec)
mrr: 1.36 mtt: 0.38 mff:-1.74
mrt:-0.41 mrf: 0.52 mtf:-0.63 ($\times 10^{16} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1:352° 57° 59° P-axis:-1.96 104° 7°
NP2:220° 44° 128° T-axis: 1.66 208° 64°
N-axis: 0.30 10° 25°
V.R.: 79% ϵ :-0.15 N:13 COMP:20

2016/01/24 06:33:33.4
NEAR CHOSHI CITY
Hypo.:35°52.7'N 140°53.9'E 17km



Cent.:35°52.8'N 140°54.0'E 17km $\Delta t = 0.4$
Mo: $4.78 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.4 Mj:4.6 (sec)
mrr:-0.56 mtt:-3.41 mff: 3.96
mrt: 0.18 mrf: 3.07 mtf:-1.38 ($\times 10^{15} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 34° 85° 32° P-axis:-3.89 163° 18°
NP2:301° 58° 174° T-axis: 5.66 262° 26°
N-axis:-1.77 42° 58°
V.R.: 73% ϵ : 0.31 N:19 COMP:22

2016/01/26 20:37:42.5
E OFF MIYAGI PREF
Hypo.:38°15.9'N 141°52.9'E 51km



Cent.:38°15.9'N 141°52.9'E 51km $\Delta t = 0.4$
Mo: $4.49 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.4 Mj:4.5 (sec)
mrr: 3.96 mtt:-0.43 mff:-3.52
mrt: 0.16 mrf:-1.87 mtf:-1.58 ($\times 10^{15} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 34° 35° 109° P-axis:-4.52 291° 11°
NP2:191° 57° 77° T-axis: 4.46 66° 74°
N-axis: 0.06 199° 11°
V.R.: 70% ϵ :-0.01 N:16 COMP:19

EQUAL AREA PROJECTON, LOWER HEMISPHERE.