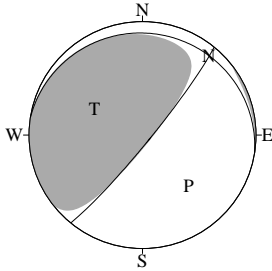


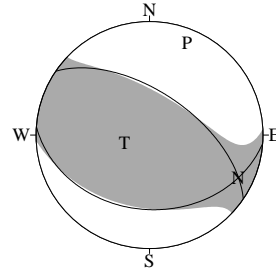
CMT SOLUTIONS FOR EARTHQUAKES IN MARCH, 2016

2016/03/01 04:47:38.1
NEAR ISHIGAKIJIMA ISLAND
Hypo.:23°49.3'N 123°22.2'E 31km



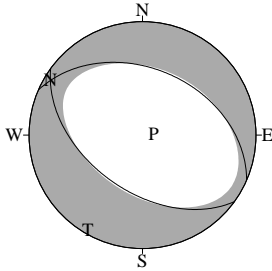
Cent.:23°48.3'N 123°22.2'E 24km $\Delta t = 6.1$
Mo: 1.10×10^{17} N·m Mw:5.3 Mj:5.3 (sec)
mrr: 0.24 mtt:-0.29 mff: 0.04
mrt: 0.64 mrf: 0.84 mtf:-0.09 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 39° 84° 80° P-axis:-1.10 138° 39°
NP2:279° 11° 149° T-axis: 1.10 299° 50°
N-axis:-0.10 40° 10°
V.R.: 67% ϵ : 0.06 N:10 COMP:17

2016/03/03 16:11:16.0
SOUTHERN MIYAZAKI PREF
Hypo.:31°46.2'N 131°25.8'E 51km



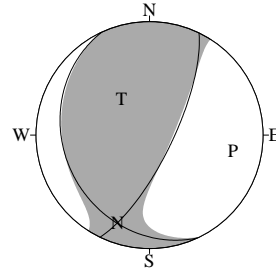
Cent.:31°46.0'N 131°25.7'E 40km $\Delta t = 3.3$
Mo: 5.82×10^{16} N·m Mw:5.1 Mj:4.9 (sec)
mrr: 4.61 mtt:-4.85 mff: 0.25
mrt:-1.82 mrf: 1.95 mtf: 2.17 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 94° 35° 65° P-axis:-6.19 22° 13°
NP2:304° 59° 107° T-axis: 5.45 252° 71°
N-axis: 0.74 116° 14°
V.R.: 83% ϵ :-0.12 N:45 COMP:87

2016/03/05 09:33:23.2
SE OFF TOKACHI
Hypo.:41°43.3'N 144°13.7'E 37km



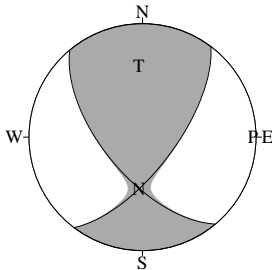
Cent.:41°38.2'N 144°13.5'E 21km $\Delta t = 0.3$
Mo: 1.49×10^{16} N·m Mw:4.7 Mj:4.8 (sec)
mrr:-1.52 mtt: 1.09 mff: 0.43
mrt:-0.10 mrf: 0.27 mtf:-0.55 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:126° 50° -82° P-axis:-1.56 85° 82°
NP2:294° 41° -99° T-axis: 1.42 210° 4°
N-axis: 0.14 301° 6°
V.R.: 84% ϵ :-0.09 N:32 COMP:61

2016/03/07 16:37: 1.5
NE OFF IWATE PREF
Hypo.:40° 8.6'N 142°27.7'E 34km



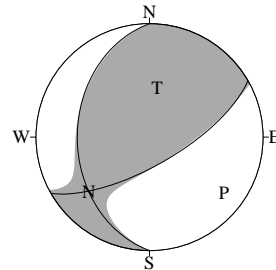
Cent.:40° 7.8'N 142°27.9'E 35km $\Delta t = 0.7$
Mo: 1.60×10^{16} N·m Mw:4.7 Mj:4.8 (sec)
mrr: 0.77 mtt: 0.35 mff:-1.11
mrt: 0.62 mrf: 1.10 mtf:-0.08 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 26° 74° 109° P-axis:-1.68 101° 26°
NP2:155° 25° 42° T-axis: 1.52 322° 57°
N-axis: 0.15 200° 19°
V.R.: 73% ϵ :-0.09 N:31 COMP:45

2016/03/10 22:46:55.1
NEAR CHOSHI CITY
Hypo.:35°43.2'N 140°42.2'E 48km



Cent.:35°43.2'N 140°42.9'E 48km $\Delta t = 0.4$
Mo: 3.31×10^{15} N·m Mw:4.3 Mj:4.2 (sec)
mrr: 1.24 mtt: 2.09 mff:-3.33
mrt: 1.55 mrf: 0.26 mtf: 0.13 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 37° 67° 149° P-axis:-3.35 90° 3°
NP2:140° 62° 26° T-axis: 3.28 357° 37°
N-axis: 0.07 184° 52°
V.R.: 67% ϵ :-0.02 N:18 COMP:23

2016/03/11 03:39: 0.7
SE OFF ETOROFU
Hypo.:43°24.4'N 149° 4.0'E 30km

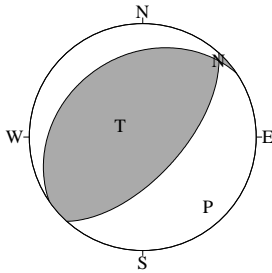


Cent.:42°55.8'N 149° 4.5'E 42km $\Delta t = -0.8$
Mo: 3.79×10^{16} N·m Mw:5.0 Mj:5.1 (sec)
mrr: 2.07 mtt: 0.00 mff:-2.07
mrt: 2.39 mrf: 0.75 mtf:-1.96 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 60° 70° 121° P-axis:-3.90 127° 19°
NP2:180° 36° 36° T-axis: 3.68 9° 54°
N-axis: 0.22 228° 29°
V.R.: 80% ϵ :-0.06 N:17 COMP:33

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

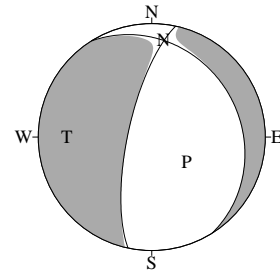
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf: Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG: Moment tensor component, azimuth and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

2016/03/13 11:07:37.1
S OFF URAKAWA
Hypo.:41°58.7'N 142°34.2'E 62km



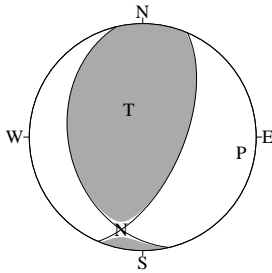
Cent.:41°58.7'N 142°34.6'E 62km $\Delta t = 0.4$
Mo: 3.89×10^{15} N·m Mw:4.3 Mj:4.2 (sec)
mrr:-3.20 mtt:-1.82 mff:-1.38
mrt: 1.29 mrf: 1.74 mtf:-1.63 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 42° 62° 83° P-axis:-3.88 137° 17°
NP2:236° 29° 102° T-axis: 3.89 297° 72°
N-axis: 0.00 45° 6°
V.R.: 67% ϵ : 0.00 N:18 COMP:22

2016/03/14 16:03:17.2
NEAR TOKARA ISLANDS
Hypo.:29°43.8'N 129°17.1'E 224km



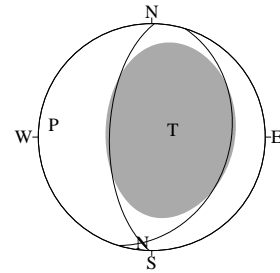
Cent.:29°40.8'N 129°16.8'E 219km $\Delta t = 5.0$
Mo: 2.70×10^{17} N·m Mw:5.6 Mj:5.3 (sec)
mrr:-1.43 mtt:-0.27 mff: 1.70
mrt: 0.64 mrf: 2.03 mtf:-0.34 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:328° 23°-132° P-axis:-2.60 125° 59°
NP2:192° 73° -74° T-axis: 2.70 270° 26°
N-axis: 0.00 7° 15°
V.R.: 76% ϵ : 0.02 N:27 COMP:46

2016/03/15 14:05:21.2
FAR E OFF SANRIKU
Hypo.:39°28.6'N 143°38.0'E 26km



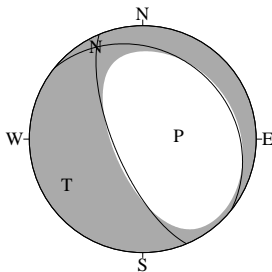
Cent.:39°22.3'N 143°38.8'E 24km $\Delta t = 0.7$
Mo: 1.36×10^{16} N·m Mw:4.7 Mj:4.9 (sec)
mrr: 1.10 mtt: 0.11 mff:-1.21
mrt: 0.48 mrf: 0.52 mtf:-0.11 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 23° 61° 110° P-axis:-1.35 99° 13°
NP2:167° 35° 59° T-axis: 1.37 333° 68°
N-axis:-0.02 193° 17°
V.R.: 73% ϵ : 0.01 N:27 COMP:30

2016/03/18 03:59:21.4
E OFF IWATE PREF
Hypo.:39°26.2'N 142°22.7'E 49km



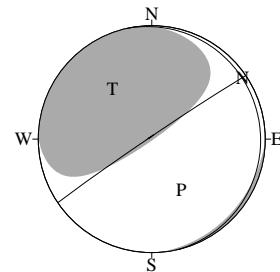
Cent.:39°26.2'N 142°22.1'E 49km $\Delta t = 0.5$
Mo: 6.18×10^{15} N·m Mw:4.5 Mj:4.6 (sec)
mrr: 5.99 mtt:-1.32 mff:-4.68
mrt: 0.62 mrf:-2.98 mtf:-0.69 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 17° 32° 104° P-axis:-5.52 277° 14°
NP2:181° 59° 82° T-axis: 6.84 70° 74°
N-axis:-1.33 185° 7°
V.R.: 79% ϵ : 0.19 N:30 COMP:33

2016/03/22 14:34:21.8
NORTHERN IBARAKI PREF
Hypo.:36°46.7'N 140°34.4'E 7km



Cent.:36°46.7'N 140°34.1'E 10km $\Delta t = 0.5$
Mo: 7.72×10^{15} N·m Mw:4.5 Mj:4.7 (sec)
mrr:-5.47 mtt: 2.35 mff: 3.11
mrt:-1.48 mrf: 5.55 mtf:-2.19 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:309° 23°-117° P-axis:-8.20 85° 64°
NP2:157° 69° -79° T-axis: 7.24 239° 23°
N-axis: 0.96 333° 10°
V.R.: 85% ϵ : -0.12 N:45 COMP:54

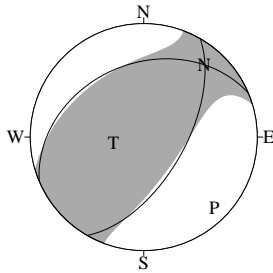
2016/03/24 16:57:38.1
OFF NEMURO PENINSULA
Hypo.:43°14.5'N 145°30.0'E 97km



Cent.:43°14.5'N 145°30.2'E 97km $\Delta t = 0.4$
Mo: 4.12×10^{15} N·m Mw:4.3 Mj:4.3 (sec)
mrr: 0.13 mtt:-0.10 mff:-0.03
mrt: 3.35 mrf: 2.36 mtf: 0.76 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:236° 88° -86° P-axis:-3.74 150° 47°
NP2:348° 5°-158° T-axis: 4.50 322° 43°
N-axis:-0.77 56° 4°
V.R.: 80% ϵ : 0.17 N:12 COMP:19

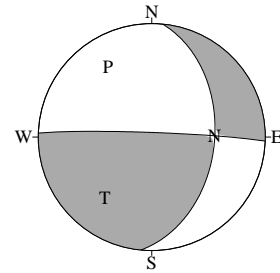
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2016/03/30 14:09:59.0
 OFF NEMURO PENINSULA
 Hypo.:42°55.0'N 144°43.0'E 57km



Cent.:42°55.5'N 144°43.2'E 58km $\Delta t = 0.7$
 $M_0: 1.76 \times 10^{16} \text{N}\cdot\text{m}$ $M_w: 4.8$ $M_j: 4.7$ (sec)
 $mrr: 1.30$ $mtt: -0.73$ $mff: -0.58$
 $mrt: 0.26$ $mrf: 0.80$ $mtf: -1.09$ ($\times 10^{16} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 30° 60° 70° P-axis: -1.91 135° 13°
 NP2: 247° 35° 122° T-axis: 1.60 259° 68°
 N-axis: 0.31 40° 18°
 V.R.: 83% $\epsilon: -0.16$ N:17 COMP:21

2016/03/31 11:48:26.9
 SW IBARAKI PREF
 Hypo.:36°10.2'N 140° 5.9'E 55km



Cent.:36°10.2'N 140° 6.3'E 55km $\Delta t = 0.4$
 $M_0: 5.37 \times 10^{15} \text{N}\cdot\text{m}$ $M_w: 4.4$ $M_j: 4.4$ (sec)
 $mrr: 0.44$ $mtt: -0.70$ $mff: 0.26$
 $mrt: -3.84$ $mrf: 0.36$ $mtf: -3.68$ ($\times 10^{15} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 6° 44° 5° P-axis: -5.36 328° 28°
 NP2: 272° 87° 134° T-axis: 5.38 218° 33°
 N-axis: -0.02 89° 44°
 V.R.: 77% $\epsilon: 0.00$ N:37 COMP:43

EQUAL AREA PROJECTON, LOWER HEMISPHERE.