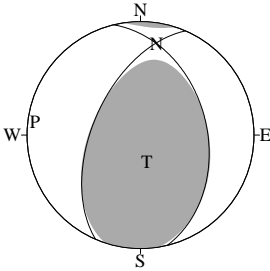


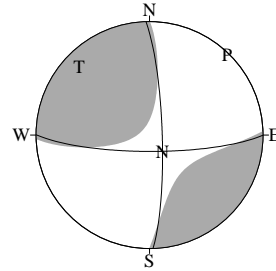
CMT SOLUTIONS FOR EARTHQUAKES IN JUNE, 2017

2017/06/02 09:55:19.5
E OFF HACHIJOJIMA ISLAND
Hypo.:32°35.1'N 140°54.2'E 43km



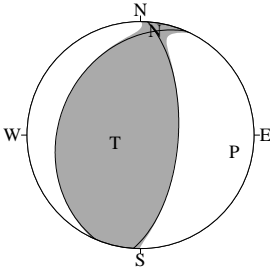
Cent.:32°35.1'N 140°55.8'E 60km $\Delta t = 0.5$
Mo: 7.71×10^{15} N·m Mw:4.5 Mj:4.6 (sec)
mrr: 6.80 mtt: 0.39 mff:-7.19
mrt:-2.80 mrf:-1.53 mtf:-0.59 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:346° 41° 60° P-axis:-7.47 277° 7°
NP2:203° 55° 113° T-axis: 7.95 167° 70°
N-axis:-0.49 10° 19°
V.R.: 85% ϵ : 0.06 N:24 COMP:26

2017/06/03 02:26:29.2
NEAR MIYAKOJIMA ISLAND
Hypo.:24°15.1'N 126°16.1'E 68km



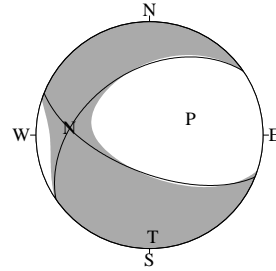
Cent.:24°26.2'N 126°15.8'E 12km $\Delta t = 5.2$
Mo: 5.80×10^{16} N·m Mw:5.1 Mj:5.3 (sec)
mrr:-0.43 mtt: 0.04 mff: 0.39
mrt: 1.12 mrf: 1.37 mtf: 5.56 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:358° 81° 168° P-axis:-5.35 44° 2°
NP2: 90° 78° 9° T-axis: 6.24 314° 15°
N-axis:-0.89 142° 75°
V.R.: 83% ϵ : 0.14 N:10 COMP:17

2017/06/08 09:25:29.9
NEAR CHOSHI CITY
Hypo.:35°38.9'N 140°40.5'E 51km



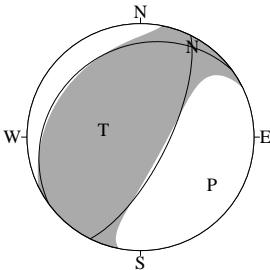
Cent.:35°37.1'N 140°40.5'E 52km $\Delta t = 4.9$
Mo: 3.48×10^{16} N·m Mw:5.0 Mj:4.7 (sec)
mrr: 2.76 mtt:-0.01 mff:-2.76
mrt:-0.12 mrf: 2.00 mtf:-0.69 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 4° 63° 81° P-axis:-3.51 100° 17°
NP2:203° 29° 108° T-axis: 3.44 253° 71°
N-axis: 0.07 8° 8°
V.R.: 83% ϵ :-0.02 N:23 COMP:47

2017/06/09 23:36:23.7
NEAR UNZENDAKE
Hypo.:32°43.0'N 130° 1.6'E 16km



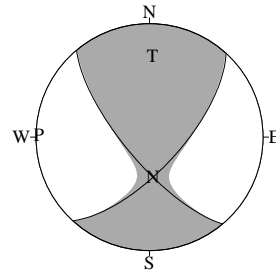
Cent.:32°43.0'N 130° 1.8'E 16km $\Delta t = 0.4$
Mo: 4.12×10^{15} N·m Mw:4.3 Mj:4.3 (sec)
mrr:-2.82 mtt: 3.59 mff:-0.77
mrt:-1.44 mrf: 1.99 mtf: 0.58 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:112° 63° -56° P-axis:-4.33 69° 58°
NP2:236° 43° -138° T-axis: 3.90 178° 11°
N-axis: 0.42 275° 30°
V.R.: 78% ϵ :-0.10 N:19 COMP:20

2017/06/10 16:31:12.4
SE OFF TOKACHI
Hypo.:42°21.1'N 144°49.1'E 34km



Cent.:42°18.0'N 144°48.6'E 32km $\Delta t = 4.7$
Mo: 0.94×10^{16} N·m Mw:4.6 Mj:4.6 (sec)
mrr: 0.52 mtt:-0.15 mff:-0.37
mrt: 0.30 mrf: 0.65 mtf:-0.42 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 26° 70° 80° P-axis:-1.02 124° 25°
NP2:233° 22° 115° T-axis: 0.87 281° 63°
N-axis: 0.15 30° 9°
V.R.: 83% ϵ :-0.14 N:11 COMP:16

2017/06/14 08:37:32.7
SEA OF JAPAN
Hypo.:37° 4.3'N 135° 1.2'E 383km

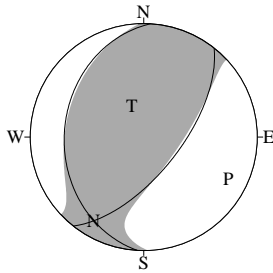


Cent.:37° 5.4'N 135° 0.9'E 387km $\Delta t = 1.0$
Mo: 1.13×10^{16} N·m Mw:4.6 Mj:4.5 (sec)
mrr: 0.29 mtt: 0.86 mff:-1.15
mrt: 0.45 mrf:-0.08 mtf:-0.04 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 42° 68° 161° P-axis:-1.16 271° 3°
NP2:140° 72° 24° T-axis: 1.11 2° 29°
N-axis: 0.05 175° 61°
V.R.: 87% ϵ :-0.04 N:21 COMP:24

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

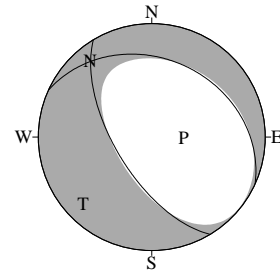
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf: Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG: Moment tensor component, azimuth and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

2017/06/16 22:39:51.3
 HYUGANADA REGION
 Hypo.:31°53.2'N 131°49.9'E 28km



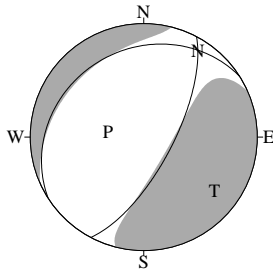
Cent.:31°53.2'N 131°50.7'E 28km $\Delta t = 0.5$
 Mo: 6.11×10^{15} N·m Mw:4.5 Mj:4.6 (sec)
 mrr: 4.30 mtt: 0.18 mff:-4.48
 mrt: 2.62 mrf: 2.50 mtf:-2.31 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 38° 64° 107° P-axis: -6.48 116° 18°
 NP2: 183° 31° 59° T-axis: 5.75 339° 66°
 N-axis: 0.73 211° 15°
 V.R.: 73% ϵ : -0.11 N:21 COMP:25

2017/06/19 05:51:29.3
 EASTERN FUKUSHIMA PREF
 Hypo.:37° 5.1'N 140°36.2'E 6km



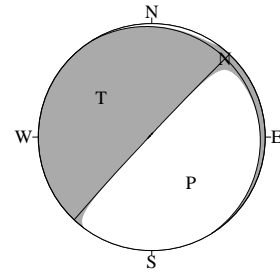
Cent.:37° 5.1'N 140°36.0'E 10km $\Delta t = 0.4$
 Mo: 3.09×10^{15} N·m Mw:4.3 Mj:4.5 (sec)
 mrr:-2.50 mtt: 1.47 mff: 1.04
 mrt:-0.45 mrf: 1.80 mtf:-1.20 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 294° 32° -120° P-axis: -3.26 92° 67°
 NP2: 149° 63° -73° T-axis: 2.92 226° 17°
 N-axis: 0.34 321° 15°
 V.R.: 84% ϵ : -0.10 N:25 COMP:30

2017/06/20 05:32:26.8
 NEAR OKINAWAJIMA ISLAND
 Hypo.:26°40.9'N 129°33.8'E 45km



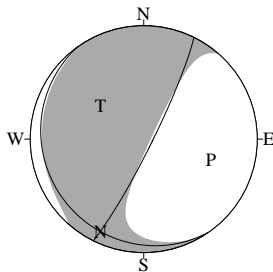
Cent.:26°40.9'N 129°33.3'E 10km $\Delta t = 6.6$
 Mo: 1.53×10^{16} N·m Mw:4.7 Mj:4.4 (sec)
 mrr:-0.89 mtt: 0.33 mff: 0.57
 mrt:-0.48 mrf: -1.01 mtf: 0.72 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 28° 69° -101° P-axis: -1.42 279° 64°
 NP2: 237° 24° -63° T-axis: 1.64 127° 23°
 N-axis: -0.23 32° 11°
 V.R.: 76% ϵ : 0.14 N:14 COMP:19

2017/06/20 23:27:41.4
 HYUGANADA REGION
 Hypo.:32°52.0'N 132° 1.8'E 42km



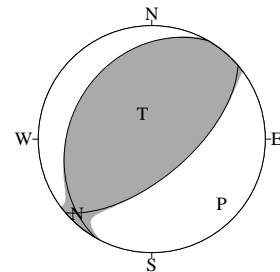
Cent.:32°53.6'N 132° 1.2'E 42km $\Delta t = 1.2$
 Mo: 3.02×10^{16} N·m Mw:4.9 Mj:5.0 (sec)
 mrr:-0.19 mtt:-0.20 mff: 0.39
 mrt: 2.07 mrf: 2.18 mtf: 0.01 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 223° 89° -84° P-axis: -3.06 139° 46°
 NP2: 328° 6° -165° T-axis: 2.99 308° 43°
 N-axis: 0.07 43° 6°
 V.R.: 82% ϵ : -0.02 N:17 COMP:19

2017/06/23 07:04:31.6
 E OFF HACHIJOJIMA ISLAND
 Hypo.:32°32.0'N 141°26.5'E 22km



Cent.:32°16.6'N 141°27.3'E 15km $\Delta t = 2.1$
 Mo: 2.51×10^{16} N·m Mw:4.9 Mj:4.7 (sec)
 mrr: 0.38 mtt: 0.50 mff: -0.87
 mrt: 1.03 mrf: 2.17 mtf: -0.10 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 26° 84° 101° P-axis: -2.67 107° 38°
 NP2: 145° 13° 29° T-axis: 2.35 308° 50°
 N-axis: 0.32 205° 11°
 V.R.: 88% ϵ : -0.12 N:37 COMP:65

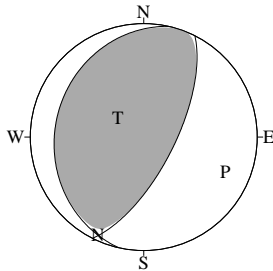
2017/06/23 07:36:21.9
 KURILE ISLANDS REGION
 Hypo.:46° 8.9'N 152°25.8'E 30km



Cent.:46° 9.6'N 152°27.2'E 49km $\Delta t = 3.6$
 Mo: 4.42×10^{16} N·m Mw:5.0 Mj:5.2 (sec)
 mrr: 3.49 mtt: -1.40 mff: -2.09
 mrt: 2.13 mrf: 1.42 mtf: -1.93 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 49° 63° 99° P-axis: -4.47 133° 17°
 NP2: 210° 29° 73° T-axis: 4.36 340° 71°
 N-axis: 0.11 225° 8°
 V.R.: 85% ϵ : -0.02 N:10 COMP:16

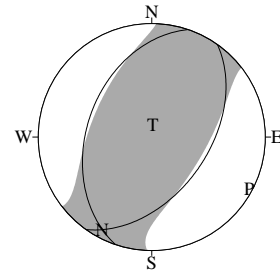
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2017/06/23 08:59: 0.4
 E OFF IWATE PREF
 Hypo.:39°20.3'N 142° 3.6'E 48km



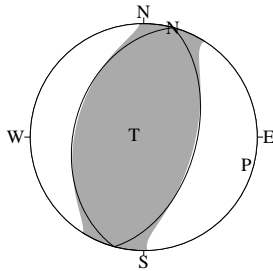
Cent.:39°21.9'N 142° 3.8'E 48km $\Delta t = 0.7$
 Mo: 2.03×10^{16} N·m Mw:4.8 Mj:4.5 (sec)
 mrr: 1.42 mtt:-0.16 mff:-1.26
 mrt: 0.72 mrf: 1.26 mtf:-0.45 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 27° 68° 95° P-axis:-2.02 113° 23°
 NP2:193° 23° 77° T-axis: 2.05 306° 67°
 N-axis:-0.02 205° 5°
 V.R.: 87% ϵ : 0.01 N:28 COMP:38

2017/06/25 07:02:15.3
 WESTERN NAGANO PREF
 Hypo.:35°52.0'N 137°35.1'E 7km



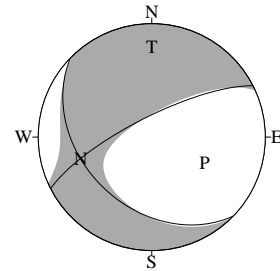
Cent.:35°50.7'N 137°35.2'E 10km $\Delta t = 5.6$
 Mo: 7.58×10^{16} N·m Mw:5.2 Mj:5.6 (sec)
 mrr: 6.56 mtt:-0.32 mff:-6.23
 mrt: 1.06 mrf: 0.48 mtf:-4.15 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 35° 49° 101° P-axis:-8.43 118° 3°
 NP2:199° 42° 77° T-axis: 6.72 5° 81°
 N-axis: 1.71 208° 8°
 V.R.: 85% ϵ :-0.20 N:12 COMP:28

2017/06/25 15:17:14.6
 WESTERN NAGANO PREF
 Hypo.:35°51.4'N 137°35.0'E 7km



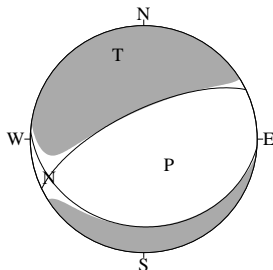
Cent.:35°51.4'N 137°35.0'E 10km $\Delta t = 3.5$
 Mo: 6.61×10^{15} N·m Mw:4.5 Mj:4.7 (sec)
 mrr: 6.11 mtt: 0.14 mff:-6.25
 mrt: 0.39 mrf: 1.48 mtf:-1.87 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 15° 52° 90° P-axis:-6.94 105° 7°
 NP2:195° 38° 90° T-axis: 6.29 285° 83°
 N-axis: 0.65 15° 0°
 V.R.: 84% ϵ :-0.09 N:52 COMP:89

2017/06/28 21:07:32.1
 E OFF HOKKAIDO
 Hypo.:43°33.7'N 147°49.9'E 31km



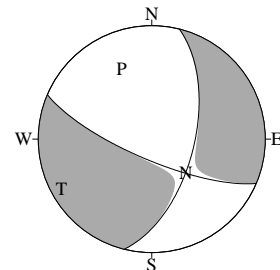
Cent.:43°36.1'N 147°50.1'E 65km $\Delta t = 3.3$
 Mo: 2.00×10^{17} N·m Mw:5.5 Mj:5.7 (sec)
 mrr:-0.77 mtt: 1.43 mff:-0.66
 mrt: 1.08 mrf: 1.03 mtf:-0.41 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:134° 38° -23° P-axis:-2.10 116° 47°
 NP2:243° 76°-126° T-axis: 1.90 360° 22°
 N-axis: 0.20 253° 35°
 V.R.: 79% ϵ :-0.10 N:22 COMP:45

2017/06/29 10:37:25.5
 NEAR TOKARA ISLANDS
 Hypo.:28°45.2'N 128°31.2'E 6km



Cent.:28°45.2'N 128°31.9'E 10km $\Delta t = 3.5$
 Mo: 7.25×10^{15} N·m Mw:4.5 Mj:4.2 (sec)
 mrr:-4.54 mtt: 5.01 mff:-0.47
 mrt: 4.60 mrf: 2.68 mtf: 1.20 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 94° 24° -62° P-axis:-7.05 135° 64°
 NP2:244° 69°-102° T-axis: 7.45 343° 23°
 N-axis:-0.40 248° 11°
 V.R.: 88% ϵ : 0.05 N:9 COMP:10

2017/06/30 23:04: 2.4
 NW OFF MIYAKOJIMA ISLAND
 Hypo.:25°41.2'N 125°11.5'E 98km



Cent.:25°29.8'N 125°12.1'E 90km $\Delta t = 3.1$
 Mo: 8.63×10^{16} N·m Mw:5.2 Mj:5.2 (sec)
 mrr:-2.36 mtt:-3.15 mff: 5.50
 mrt:-4.28 mrf:-0.07 mtf:-5.78 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 14° 59° -17° P-axis:-8.53 337° 33°
 NP2:113° 75°-148° T-axis: 8.74 241° 10°
 N-axis:-0.21 135° 55°
 V.R.: 84% ϵ : 0.02 N:10 COMP:17

EQUAL AREA PROJECTON, LOWER HEMISPHERE.