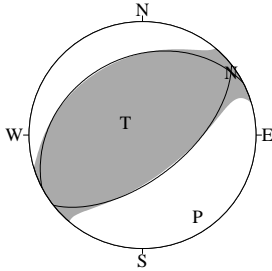


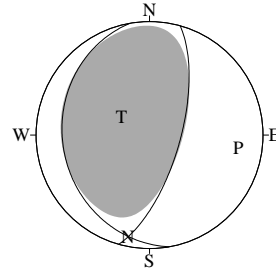
CMT SOLUTIONS FOR EARTHQUAKES IN APRIL, 2017

2017/04/01 17:13:31.8
KURILE ISLANDS REGION
Hypo.:45°22.9'N 150°58.7'E 30km



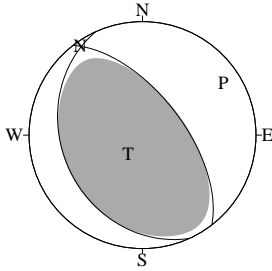
Cent.:45°22.3'N 150°59.4'E 47km $\Delta t = 1.5$
Mo: 9.34×10^{16} N·m Mw:5.2 Mj:5.1 (sec)
mrr: 7.87 mtt:-5.81 mff:-2.05
mrt: 3.17 mrf: 2.99 mtf:-4.31 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 52° 59° 84° P-axis:-9.69 146° 14°
NP2:242° 32° 99° T-axis: 8.98 306° 75°
N-axis: 0.71 55° 5°
V.R.: 74% ϵ :-0.07 N:15 COMP:28

2017/04/09 07:20:13.3
E OFF FUKUSHIMA PREF
Hypo.:37°30.5'N 141°34.2'E 45km



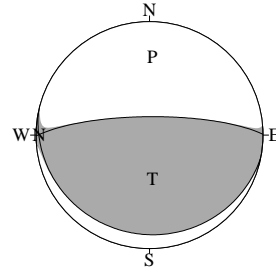
Cent.:37°30.1'N 141°34.8'E 45km $\Delta t = 0.8$
Mo: 3.18×10^{16} N·m Mw:4.9 Mj:5.0 (sec)
mrr: 2.32 mtt:-0.14 mff:-2.18
mrt: 0.88 mrf: 2.09 mtf:-0.04 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 16° 68° 100° P-axis:-3.04 98° 22°
NP2:170° 24° 66° T-axis: 3.33 303° 66°
N-axis:-0.28 192° 9°
V.R.: 81% ϵ : 0.09 N:16 COMP:23

2017/04/11 05:42: 4.3
NEAR TORISHIMA IS
Hypo.:29°38.5'N 142°27.9'E 48km



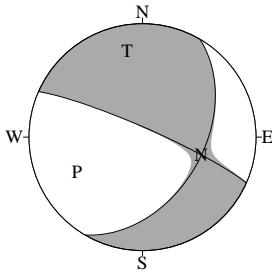
Cent.:29°38.4'N 142°24.1'E 10km $\Delta t = 0.6$
Mo: 1.30×10^{16} N·m Mw:4.7 Mj:5.0 (sec)
mrr: 1.13 mtt:-0.32 mff:-0.81
mrt:-0.49 mrf: 0.50 mtf: 0.45 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:322° 61° 84° P-axis:-1.27 57° 16°
NP2:155° 29° 101° T-axis: 1.34 217° 73°
N-axis:-0.07 325° 5°
V.R.: 78% ϵ : 0.05 N:12 COMP:13

2017/04/12 03:10:49.2
SW IBARAKI PREF
Hypo.:36° 9.6'N 140° 6.0'E 54km



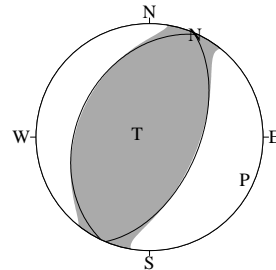
Cent.:36°10.2'N 140° 6.2'E 54km $\Delta t = 0.4$
Mo: 7.18×10^{15} N·m Mw:4.5 Mj:4.6 (sec)
mrr: 3.15 mtt:-3.22 mff: 0.08
mrt:-6.42 mrf:-0.12 mtf: 0.31 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:102° 13° 102° P-axis:-7.21 2° 32°
NP2:270° 77° 87° T-axis: 7.14 176° 58°
N-axis: 0.07 270° 3°
V.R.: 83% ϵ :-0.01 N:24 COMP:34

2017/04/12 16:34:57.2
SEA OF JAPAN
Hypo.:38°36.1'N 133°52.8'E 480km



Cent.:38°29.9'N 133°53.2'E 478km $\Delta t = 1.5$
Mo: 5.90×10^{16} N·m Mw:5.1 Mj:5.2 (sec)
mrr:-0.95 mtt: 3.83 mff:-2.88
mrt: 3.47 mrf:-2.17 mtf: 2.48 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 30° 46°-170° P-axis:-5.96 242° 35°
NP2:294° 83° -45° T-axis: 5.83 350° 24°
N-axis: 0.13 107° 45°
V.R.: 88% ϵ :-0.02 N:14 COMP:16

2017/04/12 22:55:40.2
NEAR AMAMI-OSHIMA ISLAND
Hypo.:28°43.0'N 130°14.1'E 53km

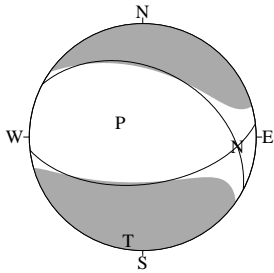


Cent.:28°29.4'N 130°16.8'E 38km $\Delta t = 1.3$
Mo: 2.40×10^{16} N·m Mw:4.9 Mj:4.8 (sec)
mrr: 2.20 mtt:-0.26 mff:-1.94
mrt: 0.26 mrf: 0.70 mtf:-0.94 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 23° 54° 88° P-axis:-2.47 114° 9°
NP2:205° 36° 92° T-axis: 2.32 286° 81°
N-axis: 0.16 24° 1°
V.R.: 68% ϵ :-0.06 N:14 COMP:24

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

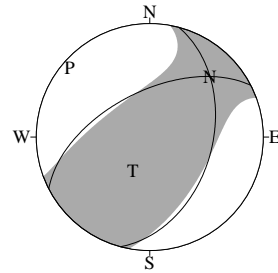
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf: Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG: Moment tensor component, azimuth and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

2017/04/14 04:41:11.8
 TAIWAN REGION
 Hypo.:25° 4.3'N 122°22.0'E 170km



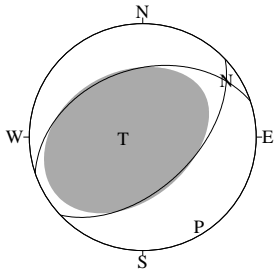
Cent.:24°59.0'N 122°22.0'E 177km $\Delta t=2.0$
 Mo: 1.99×10^{16} N·m Mw:4.8 Mj:4.9 (sec)
 mrr:-1.61 mtt: 2.01 mff:-0.40
 mrt:-0.61 mrf:-0.34 mtf:-0.42 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 83° 56° -111° P-axis:-1.83 303° 71°
 NP2:298° 40° -62° T-axis: 2.16 188° 8°
 N-axis:-0.34 96° 17°
 V.R.: 76% ϵ : 0.16 N:13 COMP:18

2017/04/20 00:16: 2.0
 NEAR AMAMI-OSHIMA ISLAND
 Hypo.:27°17.1'N 129°36.8'E 25km



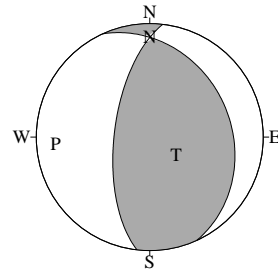
Cent.:27° 9.7'N 129°36.1'E 22km $\Delta t=10.1$
 Mo: 1.41×10^{16} N·m Mw:4.7 Mj:4.6 (sec)
 mrr: 1.03 mtt:-0.34 mff:-0.69
 mrt:-0.49 mrf:-0.01 mtf:-1.00 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 15° 44° 52° P-axis:-1.57 311° 7°
 NP2:243° 57° 121° T-axis: 1.25 207° 63°
 N-axis: 0.32 45° 26°
 V.R.: 62% ϵ :-0.21 N:17 COMP:26

2017/04/20 20:41:25.0
 SE OFF ETOROFU
 Hypo.:43°59.3'N 148°28.2'E 0km



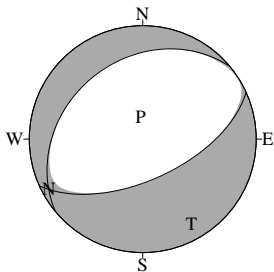
Cent.:43°58.2'N 148°28.1'E 61km $\Delta t=10.4$
 Mo: 7.51×10^{16} N·m Mw:5.2 Mj:5.2 (sec)
 mrr: 7.51 mtt:-5.22 mff:-2.29
 mrt: 0.34 mrf: 2.55 mtf:-2.56 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 47° 53° 74° P-axis:-6.89 148° 7°
 NP2:252° 40° 110° T-axis: 8.14 265° 76°
 N-axis:-1.26 56° 12°
 V.R.: 78% ϵ : 0.15 N:11 COMP:19

2017/04/23 15:37: 5.2
 SOUTH SAKHALIN
 Hypo.:46°18.4'N 142°12.1'E 14km



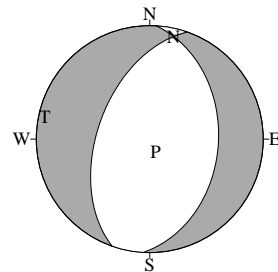
Cent.:46°31.8'N 142°12.0'E 10km $\Delta t=1.9$
 Mo: 6.01×10^{16} N·m Mw:5.1 Mj:5.3 (sec)
 mrr: 4.55 mtt: 0.24 mff:-4.79
 mrt:-1.07 mrf:-3.54 mtf: 0.82 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:335° 29° 62° P-axis:-6.01 266° 18°
 NP2:187° 64° 105° T-axis: 6.02 124° 67°
 N-axis:-0.01 0° 13°
 V.R.: 76% ϵ : 0.00 N:18 COMP:28

2017/04/29 17:36:27.0
 NEAR OKINAWAJIMA ISLAND
 Hypo.:24°57.6'N 127°47.9'E 70km



Cent.:24°50.4'N 127°48.6'E 11km $\Delta t=1.3$
 Mo: 1.39×10^{16} N·m Mw:4.7 Mj:4.7 (sec)
 mrr:-1.20 mtt: 0.85 mff: 0.34
 mrt:-0.68 mrf:-0.20 mtf: 0.53 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 66° 60° -82° P-axis:-1.40 355° 74°
 NP2:231° 31° -103° T-axis: 1.37 150° 15°
 N-axis: 0.04 242° 7°
 V.R.: 86% ϵ :-0.03 N:8 COMP:15

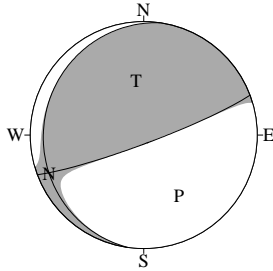
2017/04/29 21:32:32.9
 SE OFF OSUMI PEN
 Hypo.:30°46.6'N 131°28.9'E 44km



Cent.:30°47.6'N 131°28.9'E 28km $\Delta t=5.8$
 Mo: 5.40×10^{17} N·m Mw:5.8 Mj:5.6 (sec)
 mrr:-5.16 mtt: 0.11 mff: 5.05
 mrt: 0.97 mrf: 0.99 mtf: 1.03 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 3° 39° -103° P-axis:-5.40 154° 80°
 NP2:199° 52° -80° T-axis: 5.40 282° 6°
 N-axis: 0.00 13° 8°
 V.R.: 74% ϵ : 0.00 N:27 COMP:59

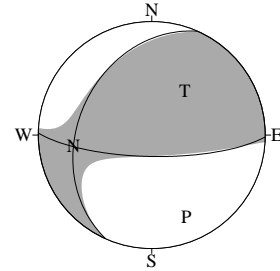
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2017/04/30 05:23: 0.2
 SE OFF OSUMI PEN
 Hypo.:30°46.2'N 131°28.1'E 40km



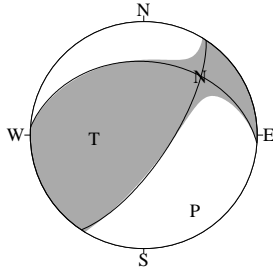
Cent.:30°43.3'N 131°27.7'E 18km $\Delta t = 0.8$
 Mo: 1.42×10^{16} N·m Mw:4.7 Mj:4.7 (sec)
 mrr: 0.28 mtt:-0.09 mff:-0.18
 mrt: 1.28 mrf: 0.46 mtf:-0.32 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 70° 84° 101° P-axis:-1.44 150° 38°
 NP2:188° 13° 29° T-axis: 1.40 352° 50°
 N-axis: 0.04 248° 11°
 V.R.: 79% ϵ :-0.03 N:13 COMP:16

2017/04/30 10:57:22.6
 TAIWAN REGION
 Hypo.:21°26.0'N 121°42.8'E 142km



Cent.:21°26.7'N 121°42.3'E 110km $\Delta t = 3.7$
 Mo: 7.50×10^{16} N·m Mw:5.2 Mj:5.4 (sec)
 mrr: 3.18 mtt:-3.69 mff: 0.51
 mrt: 5.38 mrf:-0.72 mtf:-3.89 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 91° 75° 122° P-axis:-7.83 157° 23°
 NP2:204° 35° 27° T-axis: 7.17 37° 50°
 N-axis: 0.66 262° 31°
 V.R.: 89% ϵ :-0.08 N:8 COMP:15

2017/04/30 23:42:35.9
 HIDAKA MOUNTAINS REGION
 Hypo.:42°19.3'N 143° 4.2'E 53km



Cent.:42°17.9'N 143° 3.5'E 56km $\Delta t = 2.3$
 Mo: 1.40×10^{17} N·m Mw:5.4 Mj:5.4 (sec)
 mrr: 0.76 mtt:-0.86 mff: 0.10
 mrt: 0.38 mrf: 0.91 mtf:-0.68 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 33° 71° 60° P-axis:-1.50 146° 20°
 NP2:274° 36° 146° T-axis: 1.40 266° 54°
 N-axis: 0.10 44° 29°
 V.R.: 67% ϵ :-0.06 N:22 COMP:44

EQUAL AREA PROJECTON, LOWER HEMISPHERE.