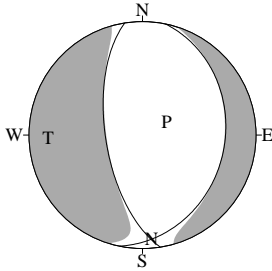


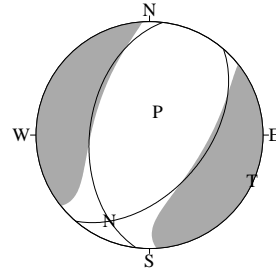
CMT SOLUTIONS FOR EARTHQUAKES IN OCTOBER, 2017

2017/10/01 10:25:6.4
NORTHERN IBARAKI PREF
Hypo.:36°51.2'N 140°33.9'E 5km



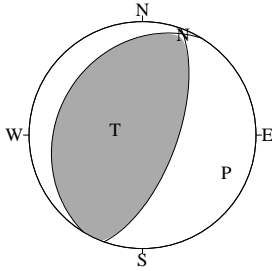
Cent.:36°49.6'N 140°33.9'E 10km $\Delta t = 0.6$
Mo: 1.55×10^{16} N·m Mw:4.7 Mj:4.9 (sec)
mrr:-1.19 mtt:-0.12 mff:1.31
mrt:-0.24 mrf:0.89 mtf:0.02 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:12° 28° -71° P-axis:-1.51 61° 70°
NP2:171° 63° -100° T-axis:1.60 268° 18°
N-axis:-0.08 175° 9°
V.R.:83% ϵ :0.05 N:27 COMP:51

2017/10/06 16:59:32.8
FAR E OFF NORTH HONSHU
Hypo.:37°26.1'N 143°56.9'E 57km



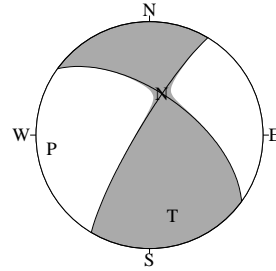
Cent.:37°29.2'N 143°57.0'E 13km $\Delta t = 4.3$
Mo: 2.21×10^{18} N·m Mw:6.2 Mj:6.3 (sec)
mrr:-1.81 mtt:-0.15 mff:1.95
mrt:-0.42 mrf:0.06 mtf:1.16 ($\times 10^{18}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:41° 49° -66° P-axis:-1.94 19° 72°
NP2:187° 46° -115° T-axis:2.47 114° 1°
N-axis:-0.53 205° 18°
V.R.:86% ϵ :0.21 N:25 COMP:63

2017/10/06 23:56:40.7
E OFF FUKUSHIMA PREF
Hypo.:37° 5.2'N 141° 9.3'E 53km



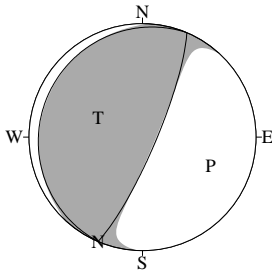
Cent.:37°10.4'N 141° 8.9'E 55km $\Delta t = 4.2$
Mo: 4.10×10^{17} N·m Mw:5.7 Mj:5.9 (sec)
mrr:3.10 mtt:-0.57 mff:-2.53
mrt:0.74 mrf:2.50 mtf:-1.22 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:20° 65° 85° P-axis:-4.00 114° 20°
NP2:211° 25° 101° T-axis:4.10 280° 70°
N-axis:0.00 22° 5°
V.R.:83% ϵ :0.00 N:26 COMP:45

2017/10/08 10:38:17.8
S OFF TOMAKOMAI
Hypo.:42°16.8'N 141°22.2'E 115km



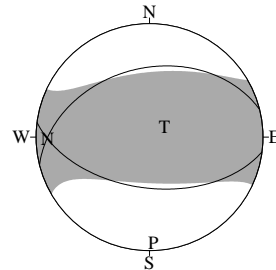
Cent.:42°16.8'N 141°22.2'E 115km $\Delta t = 0.5$
Mo: 8.92×10^{15} N·m Mw:4.6 Mj:4.4 (sec)
mrr:1.36 mtt:6.37 mff:-7.73
mrt:-3.10 mrf:-3.14 mtf:3.02 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:211° 82° 150° P-axis:-8.98 262° 14°
NP2:306° 60° 10° T-axis:8.87 164° 27°
N-axis:0.11 17° 59°
V.R.:84% ϵ :-0.01 N:21 COMP:27

2017/10/12 15:12:36.5
E OFF FUKUSHIMA PREF
Hypo.:36°41.2'N 142° 8.4'E 26km



Cent.:36°42.3'N 142° 8.9'E 17km $\Delta t = 2.1$
Mo: 4.92×10^{16} N·m Mw:5.1 Mj:5.2 (sec)
mrr:1.52 mtt:-0.06 mff:-1.47
mrt:1.81 mrf:4.26 mtf:-0.72 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:23° 80° 90° P-axis:-5.04 113° 35°
NP2:202° 10° 89° T-axis:4.79 293° 55°
N-axis:0.25 203° 0°
V.R.:83% ϵ :-0.05 N:14 COMP:20

2017/10/15 08:34:10.2
NEAR TANEGASHIMA ISLAND
Hypo.:30°57.0'N 130°19.6'E 143km

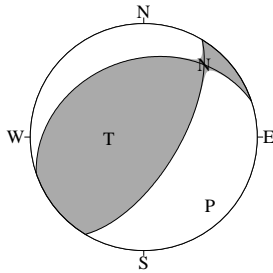


Cent.:30°53.4'N 130°19.6'E 142km $\Delta t = 3.3$
Mo: 3.45×10^{16} N·m Mw:5.0 Mj:4.7 (sec)
mrr:2.79 mtt:-3.83 mff:1.04
mrt:0.85 mrf:-0.33 mtf:-0.22 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:98° 53° 103° P-axis:-3.94 178° 7°
NP2:256° 39° 73° T-axis:2.96 55° 77°
N-axis:0.98 269° 11°
V.R.:91% ϵ :-0.25 N:34 COMP:61

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

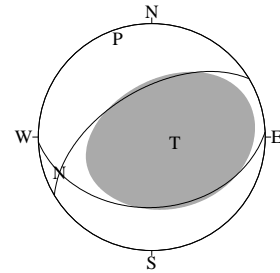
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf: Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG: Moment tensor component, azimuth and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

2017/10/18 08:48:52.7
S OFF URAKAWA
Hypo.:41°57.8'N 142°32.2'E 64km



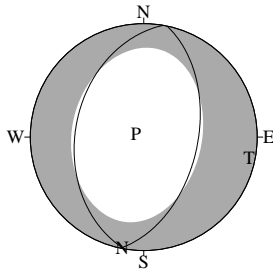
Cent.:41°57.8'N 142°32.2'E 64km $\Delta t = 0.5$
Mo: $6.99 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.5 Mj:4.4 (sec)
mrr: 5.06 mtt:-3.25 mff:-1.81
mrt: 1.28 mrf: 4.09 mtf:-3.29 ($\times 10^{15} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 31° 65° 70° P-axis:-7.02 136° 17°
NP2:252° 32° 126° T-axis: 6.97 267° 65°
N-axis: 0.05 40° 18°
V.R.: 78% ϵ :-0.01 N:15 COMP:21

2017/10/18 18:07:15.8
SOUTHERN SEA OF OKHOTSK
Hypo.:46° 7.4'N 145°16.8'E 22km



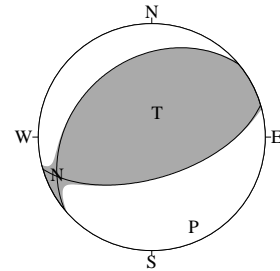
Cent.:46°26.4'N 145°15.7'E 19km $\Delta t = 1.7$
Mo: $1.23 \times 10^{16} \text{N}\cdot\text{m}$ Mw:4.7 Mj:4.7 (sec)
mrr: 1.21 mtt:-0.99 mff:-0.22
mrt:-0.23 mrf:-0.48 mtf:-0.22 ($\times 10^{16} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 88° 38° 113° P-axis:-1.10 341° 9°
NP2:239° 56° 73° T-axis: 1.36 103° 73°
N-axis:-0.26 249° 14°
V.R.: 87% ϵ : 0.19 N:17 COMP:27

2017/10/19 18:02: 1.5
N PHILIPPINE BASIN
Hypo.:28°19.6'N 131°16.6'E 98km



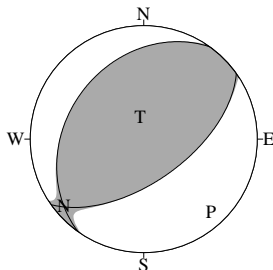
Cent.:28°20.1'N 131°17.1'E 18km $\Delta t = 5.6$
Mo: $8.00 \times 10^{17} \text{N}\cdot\text{m}$ Mw:5.9 Mj:5.6 (sec)
mrr:-8.66 mtt: 1.85 mff: 6.82
mrt:-0.46 mrf:-1.49 mtf: 0.98 ($\times 10^{17} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 12° 51° -89° P-axis:-8.80 290° 84°
NP2:190° 39° -91° T-axis: 7.20 101° 6°
N-axis: 1.70 191° 1°
V.R.: 83% ϵ :-0.19 N:27 COMP:71

2017/10/22 01:25:50.2
E OFF FUKUSHIMA PREF
Hypo.:37°22.0'N 141°49.9'E 40km



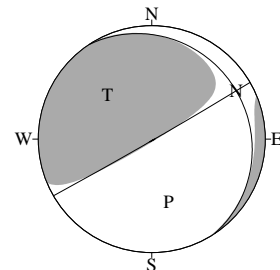
Cent.:37°16.7'N 141°50.3'E 38km $\Delta t = 1.0$
Mo: $1.11 \times 10^{16} \text{N}\cdot\text{m}$ Mw:4.6 Mj:4.6 (sec)
mrr: 0.93 mtt:-0.75 mff:-0.17
mrt: 0.56 mrf: 0.05 mtf:-0.43 ($\times 10^{16} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 74° 60° 102° P-axis:-1.12 155° 14°
NP2:230° 32° 69° T-axis: 1.10 13° 72°
N-axis: 0.02 248° 11°
V.R.: 80% ϵ :-0.02 N:18 COMP:24

2017/10/22 03:38:34.7
NW OFF HOKKAIDO
Hypo.:44° 1.8'N 140°48.1'E 10km



Cent.:44° 1.8'N 140°47.7'E 10km $\Delta t = 0.5$
Mo: $6.12 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.5 Mj:4.6 (sec)
mrr: 5.24 mtt:-2.64 mff:-2.60
mrt: 2.67 mrf: 1.25 mtf:-2.86 ($\times 10^{15} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 55° 59° 100° P-axis:-6.16 137° 14°
NP2:216° 32° 74° T-axis: 6.08 351° 74°
N-axis: 0.08 230° 9°
V.R.: 83% ϵ :-0.01 N:17 COMP:24

2017/10/30 08:15:44.5
TAIWAN REGION
Hypo.:24° 3.1'N 122°17.5'E 25km



Cent.:24° 8.2'N 122°17.4'E 15km $\Delta t = 2.8$
Mo: $6.43 \times 10^{16} \text{N}\cdot\text{m}$ Mw:5.1 Mj:5.3 (sec)
mrr: 0.40 mtt:-1.56 mff: 1.15
mrt: 5.26 mrf: 3.28 mtf: 1.05 ($\times 10^{16} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 60° 89° 75° P-axis:-6.19 165° 42°
NP2:326° 15° 176° T-axis: 6.67 315° 44°
N-axis:-0.48 60° 15°
V.R.: 80% ϵ : 0.07 N:7 COMP:11

EQUAL AREA PROJECTON, LOWER HEMISPHERE.