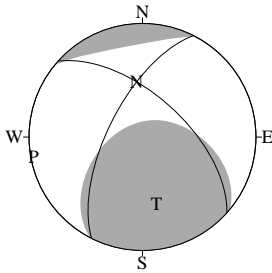


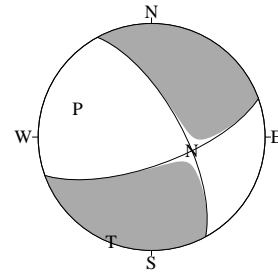
CMT SOLUTIONS FOR EARTHQUAKES IN JUNE, 2018

2018/06/02 18:48: 5.7
SE OFF ETOROFU
Hypo.:43°39.4'N 148° 5.3'E 0km



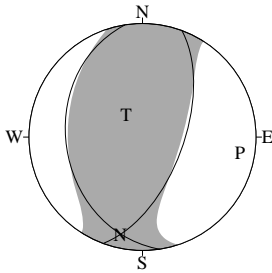
Cent.:43°40.0'N 148° 4.8'E 10km $\Delta t = 8.7$
Mo: 1.90×10^{17} N·m Mw:5.5 Mj:5.6 (sec)
mrr: 0.53 mtt: 0.91 mff:-1.44
mrt:-1.43 mrf:-0.36 mtf: 0.50 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:207° 65° 147° P-axis:-1.50 260° 3°
NP2:312° 60° 29° T-axis: 2.30 168° 40°
N-axis:-0.70 354° 49°
V.R.: 83% ϵ : 0.32 N:21 COMP:47

2018/06/10 06:45:52.2
NEAR KUNASHIRI ISLAND
Hypo.:43°47.3'N 145°57.3'E 94km



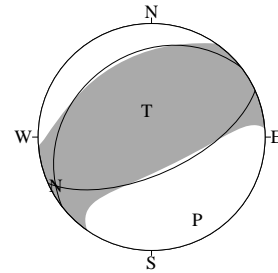
Cent.:43°47.4'N 145°57.4'E 94km $\Delta t = 0.5$
Mo: 7.17×10^{15} N·m Mw:4.5 Mj:4.5 (sec)
mrr:-1.99 mtt: 5.66 mff:-3.67
mrt:-1.25 mrf:-2.79 mtf:-4.17 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 70° 70°-156° P-axis:-7.09 291° 31°
NP2:332° 68° -22° T-axis: 7.25 201° 1°
N-axis:-0.17 109° 59°
V.R.: 87% ϵ : 0.02 N:17 COMP:26

2018/06/12 04:54:21.3
SE OFF OSUMI PEN
Hypo.:31°11.3'N 131°33.5'E 28km



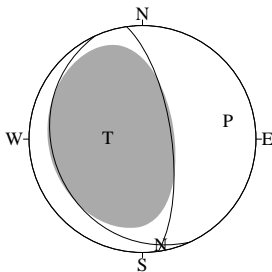
Cent.:31° 8.1'N 131°34.3'E 36km $\Delta t = 3.1$
Mo: 2.20×10^{17} N·m Mw:5.5 Mj:5.6 (sec)
mrr: 1.65 mtt: 0.44 mff:-2.08
mrt: 0.52 mrf: 0.95 mtf:-0.32 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 20° 61° 105° P-axis:-2.40 99° 14°
NP2:171° 33° 65° T-axis: 2.00 324° 70°
N-axis: 0.40 193° 13°
V.R.: 76% ϵ :-0.16 N:20 COMP:34

2018/06/12 05:09: 4.5
E OFF BOSO PENINSULA
Hypo.:35°10.0'N 140°34.5'E 17km



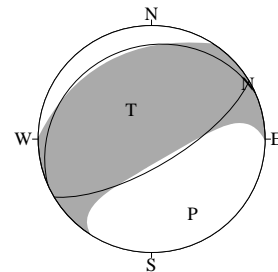
Cent.:35° 6.9'N 140°35.5'E 24km $\Delta t = 1.1$
Mo: 2.26×10^{16} N·m Mw:4.8 Mj:4.9 (sec)
mrr: 1.59 mtt:-1.43 mff:-0.16
mrt: 1.23 mrf: 0.50 mtf:-1.10 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 66° 63° 96° P-axis:-2.49 151° 18°
NP2:232° 28° 78° T-axis: 2.03 350° 71°
N-axis: 0.46 243° 6°
V.R.: 86% ϵ :-0.18 N:13 COMP:16

2018/06/13 12:44:52.2
NEAR TORISHIMA IS
Hypo.:30° 8.0'N 141°21.4'E 127km



Cent.:30° 8.1'N 141°19.4'E 127km $\Delta t = 0.6$
Mo: 1.16×10^{16} N·m Mw:4.6 Mj:5.1 (sec)
mrr: 0.86 mtt:-0.22 mff:-0.64
mrt:-0.05 mrf: 0.87 mtf: 0.17 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:352° 69° 96° P-axis:-1.07 78° 24°
NP2:156° 22° 74° T-axis: 1.26 273° 65°
N-axis:-0.19 170° 6°
V.R.: 86% ϵ : 0.15 N:34 COMP:34

2018/06/16 11:09:10.0
KUJUKURI COAST BOSO PEN
Hypo.:35°21.0'N 140°19.4'E 26km

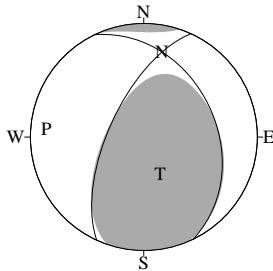


Cent.:35°20.7'N 140°19.9'E 25km $\Delta t = 0.5$
Mo: 5.78×10^{15} N·m Mw:4.4 Mj:4.4 (sec)
mrr: 2.94 mtt:-3.01 mff: 0.07
mrt: 3.88 mrf: 2.31 mtf:-2.34 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 59° 71° 88° P-axis:-6.44 151° 26°
NP2:246° 19° 96° T-axis: 5.12 326° 64°
N-axis: 1.32 60° 2°
V.R.: 81% ϵ :-0.21 N:16 COMP:19

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

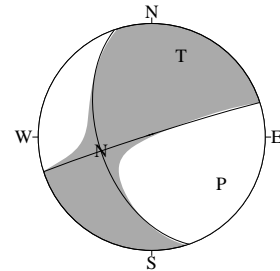
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf:Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG: Moment tensor component, azimuth and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

2018/06/17 15:27:21.8
TOCHIGI GUNMA BORDER
Hypo.:36°27.3'N 139°10.3'E 14km



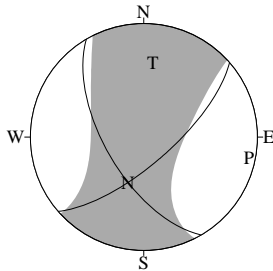
Cent.:36°27.3'N 139°10.6'E 14km $\Delta t = 0.5$
Mo: 5.60×10^{15} N·m Mw:4.4 Mj:4.6 (sec)
mrr: 3.99 mtt: 0.69 mff:-4.68
mrt:-2.62 mrf:-2.36 mtf: 0.21 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:334° 36° 46° P-axis:-5.31 275° 15°
NP2:204° 65° 117° T-axis: 5.88 156° 61°
N-axis:-0.57 12° 24°
V.R.: 81% ϵ : 0.10 N:17 COMP:24

2018/06/18 06:36: 8.7
OFF NEMURO PENINSULA
Hypo.:42°48.8'N 145°13.4'E 48km



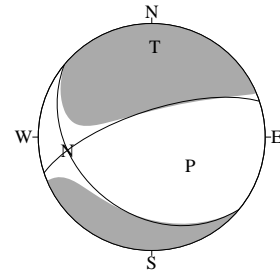
Cent.:42°48.8'N 145°13.9'E 48km $\Delta t = 0.4$
Mo: 4.15×10^{15} N·m Mw:4.3 Mj:4.3 (sec)
mrr:-0.03 mtt: 1.89 mff:-1.86
mrt: 2.35 mrf: 1.12 mtf:-2.65 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:252° 88°-142° P-axis:-4.31 124° 27°
NP2:161° 52° -2° T-axis: 3.98 20° 25°
N-axis: 0.33 255° 52°
V.R.: 80% ϵ :-0.08 N:9 COMP:15

2018/06/18 07:58:34.1
KYOTO OSAKA BORDER REG
Hypo.:34°50.6'N 135°37.3'E 13km



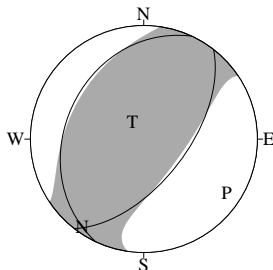
Cent.:34°50.4'N 135°37.2'E 16km $\Delta t = 2.5$
Mo: 3.00×10^{17} N·m Mw:5.6 Mj:6.1 (sec)
mrr: 1.50 mtt: 1.82 mff:-3.32
mrt: 0.66 mrf: 0.38 mtf:-0.97 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 49° 71° 150° P-axis:-3.50 101° 6°
NP2:150° 62° 22° T-axis: 2.40 7° 34°
N-axis: 1.20 199° 55°
V.R.: 90% ϵ :-0.33 N:18 COMP:44

2018/06/24 22:18: 6.8
E OFF HOKKAIDO
Hypo.:43°30.4'N 147°36.5'E 58km



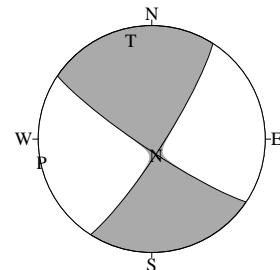
Cent.:43°30.4'N 147°36.8'E 58km $\Delta t = 0.5$
Mo: 6.02×10^{15} N·m Mw:4.5 Mj:4.3 (sec)
mrr:-3.14 mtt: 4.82 mff:-1.68
mrt: 3.78 mrf: 1.81 mtf:-1.00 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:130° 33° -37° P-axis:-5.70 127° 55°
NP2:252° 71°-117° T-axis: 6.34 2° 21°
N-axis:-0.64 261° 26°
V.R.: 85% ϵ : 0.10 N:8 COMP:11

2018/06/26 14:58:43.4
NEAR AMAMI-OSHIMA ISLAND
Hypo.:29°13.3'N 130°27.6'E 63km



Cent.:29°13.3'N 130°28.7'E 30km $\Delta t = 0.6$
Mo: 1.03×10^{16} N·m Mw:4.6 Mj:4.5 (sec)
mrr: 0.81 mtt:-0.14 mff:-0.66
mrt: 0.33 mrf: 0.37 mtf:-0.54 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 38° 59° 97° P-axis:-1.13 123° 14°
NP2:205° 31° 78° T-axis: 0.94 327° 75°
N-axis: 0.19 215° 6°
V.R.: 70% ϵ :-0.17 N:12 COMP:13

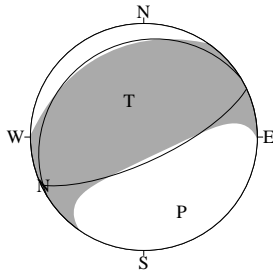
2018/06/26 17:00: 9.6
SHIMANE HIROSHIMA BORDER
Hypo.:34°55.8'N 132°52.3'E 12km



Cent.:34°58.3'N 132°52.1'E 13km $\Delta t = 0.8$
Mo: 1.11×10^{16} N·m Mw:4.6 Mj:5.0 (sec)
mrr: 0.05 mtt: 0.98 mff:-1.03
mrt: 0.21 mrf: 0.03 mtf: 0.44 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 33° 81° 172° P-axis:-1.12 258° 1°
NP2:124° 82° 9° T-axis: 1.11 348° 12°
N-axis: 0.01 165° 78°
V.R.: 88% ϵ :-0.01 N:15 COMP:31

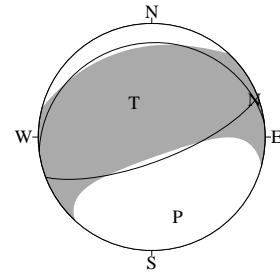
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2018/06/26 19:46:22.3
 KUJUKURI COAST BOSO PEN
 Hypo.:35°20.9'N 140°20.7'E 26km



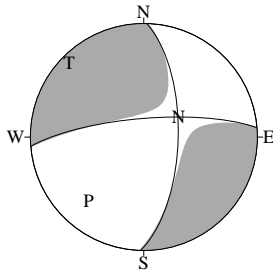
Cent.:35°20.9'N 140°21.3'E 26km $\Delta t = 0.4$
 Mo: $5.45 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.4 Mj:4.3 (sec)
 mrr: 2.60 mtt:-2.66 mff: 0.06
 mrt: 4.04 mrf: 1.88 mtf:-1.93 ($\times 10^{15} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 65° 72° 92° P-axis:-5.97 153° 27°
 NP2:238° 18° 84° T-axis: 4.92 338° 62°
 N-axis: 1.05 244° 2°
 V.R.: 81% ϵ :-0.18 N:19 COMP:23

2018/06/27 04:16:38.3
 KUJUKURI COAST BOSO PEN
 Hypo.:35°20.8'N 140°20.2'E 25km



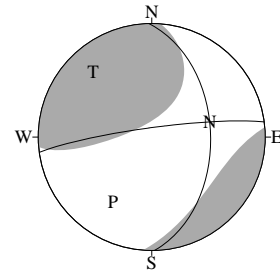
Cent.:35°20.8'N 140°20.7'E 25km $\Delta t = 0.4$
 Mo: $2.57 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.2 Mj:4.1 (sec)
 mrr: 1.15 mtt:-1.63 mff: 0.48
 mrt: 1.96 mrf: 0.73 mtf:-0.67 ($\times 10^{15} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 69° 72° 86° P-axis:-2.90 162° 27°
 NP2:263° 18° 103° T-axis: 2.23 333° 62°
 N-axis: 0.67 70° 4°
 V.R.: 77% ϵ :-0.23 N:11 COMP:13

2018/06/28 00:03: 5.1
 NW OFF MIYAKOJIMA ISLAND
 Hypo.:25°22.8'N 124°47.5'E 10km



Cent.:25°22.9'N 124°47.5'E 10km $\Delta t = 0.5$
 Mo: $6.71 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.5 Mj:4.7 (sec)
 mrr:-1.60 mtt: 0.51 mff: 1.09
 mrt: 2.54 mrf:-0.92 mtf: 5.98 ($\times 10^{15} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 2° 65°-165° P-axis:-6.47 221° 27°
 NP2:265° 77° -26° T-axis: 6.94 315° 8°
 N-axis:-0.47 60° 61°
 V.R.: 77% ϵ : 0.07 N:10 COMP:15

2018/06/28 01:04:58.4
 NW OFF MIYAKOJIMA ISLAND
 Hypo.:25°24.4'N 124°47.5'E 11km



Cent.:25°24.4'N 124°47.8'E 11km $\Delta t = 0.6$
 Mo: $9.96 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.6 Mj:4.7 (sec)
 mrr:-2.54 mtt: 1.19 mff: 1.35
 mrt: 6.07 mrf: 2.50 mtf: 7.74 ($\times 10^{15} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1:359° 47°-171° P-axis:-8.27 211° 34°
 NP2:262° 83° -43° T-axis:11.65 318° 24°
 N-axis:-3.38 75° 46°
 V.R.: 86% ϵ : 0.29 N:7 COMP:8

EQUAL AREA PROJECTON, LOWER HEMISPHERE.