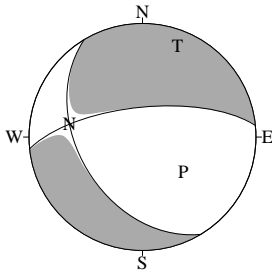


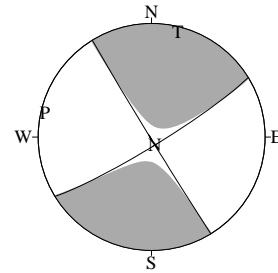
CMT SOLUTIONS FOR EARTHQUAKES IN APRIL, 2018

2018/04/04 16:37: 1.6
E OFF FUKUSHIMA PREF
Hypo.:37°18.4'N 141°44.0'E 44km



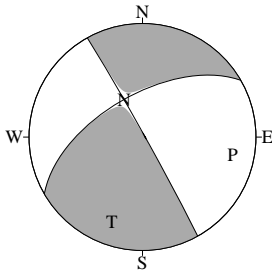
Cent.:37°18.4'N 141°44.2'E 44km $\Delta t = 0.4$
Mo: 4.01×10^{15} N·m Mw:4.3 Mj:4.5 (sec)
mrr:-2.15 mtt: 2.63 mff:-0.49
mrt: 2.20 mrf: 1.07 mtf:-2.04 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:149° 43° -33° P-axis:-3.96 130° 51°
NP2:264° 69° -128° T-axis: 4.05 21° 15°
N-axis:-0.09 280° 35°
V.R.: 81% ϵ : 0.02 N:14 COMP:15

2018/04/09 01:32:30.8
SHIMANE HIROSHIMA BORDER
Hypo.:35°11.0'N 132°35.2'E 12km



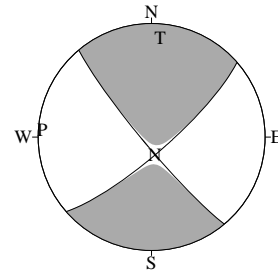
Cent.:35°10.3'N 132°35.2'E 12km $\Delta t = 4.3$
Mo: 4.30×10^{17} N·m Mw:5.7 Mj:6.1 (sec)
mrr:-0.19 mtt: 3.87 mff:-3.69
mrt: 0.33 mrf:-0.34 mtf:-1.92 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 58° 84° 179° P-axis:-4.20 283° 4°
NP2:148° 89° 6° T-axis: 4.40 14° 5°
N-axis:-0.20 157° 84°
V.R.: 91% ϵ : 0.05 N:15 COMP:41

2018/04/09 01:56:46.0
SHIMANE HIROSHIMA BORDER
Hypo.:35°11.0'N 132°34.5'E 10km



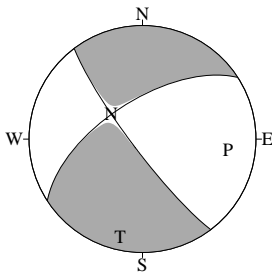
Cent.:35°11.0'N 132°34.3'E 10km $\Delta t = 0.5$
Mo: 8.52×10^{15} N·m Mw:4.6 Mj:4.8 (sec)
mrr: 0.20 mtt: 6.20 mff:-6.40
mrt:-2.31 mrf: 3.62 mtf:-3.78 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:240° 60° 178° P-axis:-8.48 101° 20°
NP2:331° 88° 30° T-axis: 8.55 200° 22°
N-axis:-0.08 334° 60°
V.R.: 79% ϵ : 0.01 N:13 COMP:15

2018/04/09 02:10:55.7
SHIMANE HIROSHIMA BORDER
Hypo.:35°10.3'N 132°35.0'E 10km



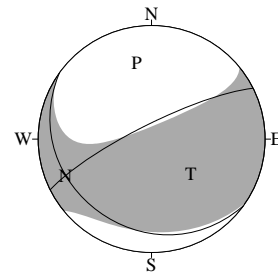
Cent.:35°10.1'N 132°35.1'E 10km $\Delta t = 2.7$
Mo: 1.38×10^{16} N·m Mw:4.7 Mj:4.9 (sec)
mrr: 0.04 mtt: 1.31 mff:-1.35
mrt: 0.29 mrf:-0.11 mtf:-0.21 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 49° 79° 174° P-axis:-1.37 274° 4°
NP2:140° 84° 11° T-axis: 1.39 5° 13°
N-axis:-0.02 169° 77°
V.R.: 93% ϵ : 0.01 N:15 COMP:24

2018/04/09 05:05:42.8
SHIMANE HIROSHIMA BORDER
Hypo.:35°10.4'N 132°35.2'E 9km



Cent.:35°10.4'N 132°34.9'E 10km $\Delta t = 0.4$
Mo: 5.27×10^{15} N·m Mw:4.4 Mj:4.6 (sec)
mrr:-0.70 mtt: 4.71 mff:-4.01
mrt:-0.94 mrf: 2.24 mtf:-1.60 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:237° 63° -171° P-axis:-5.24 97° 25°
NP2:143° 82° -28° T-axis: 5.30 193° 13°
N-axis:-0.06 309° 61°
V.R.: 84% ϵ : 0.01 N:24 COMP:30

2018/04/12 16:56:53.2
NW OFF SHAKOTAN PEN
Hypo.:43°39.0'N 139°35.3'E 226km

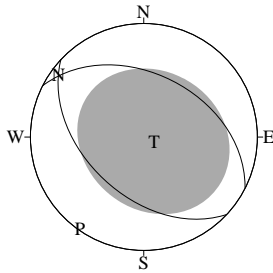


Cent.:43°36.7'N 139°37.1'E 235km $\Delta t = 1.8$
Mo: 8.19×10^{16} N·m Mw:5.2 Mj:5.1 (sec)
mrr: 2.18 mtt:-4.84 mff: 2.66
mrt:-6.54 mrf:-2.95 mtf:-0.33 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:126° 22° 151° P-axis:-9.04 349° 32°
NP2:243° 80° 71° T-axis: 7.34 131° 52°
N-axis: 1.70 247° 19°
V.R.: 84% ϵ : -0.19 N:18 COMP:23

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

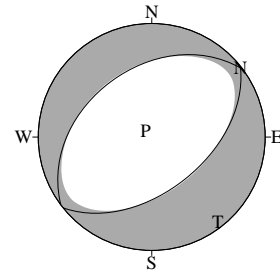
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf: Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG: Moment tensor component, azimuth and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

2018/04/12 22:37:39.6
 E OFF MIYAGI PREF
 Hypo.:38°22.5'N 141°51.5'E 56km



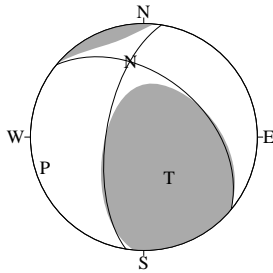
Cent.:38°22.5'N 141°51.3'E 56km $\Delta t = 0.5$
 Mo: 9.94×10^{15} N·m Mw:4.6 Mj:4.7 (sec)
 mrr:11.65 mtt:-6.58 mff:-5.07
 mrt:-0.77 mrf:-2.24 mtf: 1.90 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:133° 48° 101° P-axis:-7.89 215° 2°
 NP2:297° 44° 78° T-axis:12.00 112° 82°
 N-axis:-4.11 306° 8°
 V.R.: 82% ϵ : 0.34 N:30 COMP:33

2018/04/14 04:00: 1.8
 OFF NEMURO PENINSULA
 Hypo.:43°10.5'N 145°44.2'E 53km



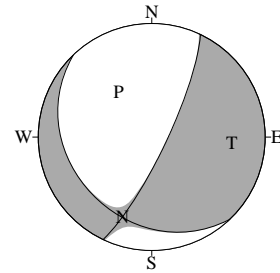
Cent.:43°14.4'N 145°42.9'E 55km $\Delta t = 4.1$
 Mo: 1.60×10^{17} N·m Mw:5.4 Mj:5.4 (sec)
 mrr:-1.59 mtt: 0.97 mff: 0.61
 mrt:-0.24 mrf:-0.22 mtf: 0.69 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 51° 51° -91° P-axis:-1.60 314° 84°
 NP2:233° 39° -89° T-axis: 1.50 142° 6°
 N-axis: 0.10 52° 1°
 V.R.: 85% ϵ :-0.05 N:11 COMP:17

2018/04/14 15:13:27.8
 MIKAWA BAY REGION
 Hypo.:34°49.4'N 137° 7.6'E 6km



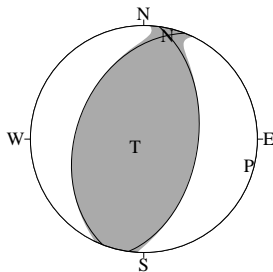
Cent.:34°49.4'N 137° 7.5'E 10km $\Delta t = 0.4$
 Mo: 3.76×10^{15} N·m Mw:4.3 Mj:4.5 (sec)
 mrr: 2.45 mtt: 0.29 mff:-2.74
 mrt:-1.67 mrf:-1.61 mtf: 1.47 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:310° 45° 40° P-axis:-3.49 253° 10°
 NP2:189° 63° 128° T-axis: 4.03 148° 55°
 N-axis:-0.54 350° 33°
 V.R.: 88% ϵ : 0.13 N:12 COMP:14

2018/04/17 03:09: 1.4
 NEAR HACHIJOJIMA ISLAND
 Hypo.:32°49.9'N 139°15.5'E 208km



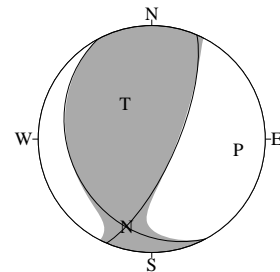
Cent.:32°50.5'N 139°15.3'E 207km $\Delta t = 0.9$
 Mo: 2.82×10^{16} N·m Mw:4.9 Mj:4.6 (sec)
 mrr:-0.94 mtt:-0.74 mff: 1.67
 mrt:-1.25 mrf:-2.02 mtf:-0.43 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 25° 79° -64° P-axis:-2.85 324° 49°
 NP2:136° 28° -157° T-axis: 2.79 94° 30°
 N-axis: 0.06 200° 26°
 V.R.: 90% ϵ :-0.02 N:46 COMP:82

2018/04/18 20:46:14.5
 FAR E OFF SANRIKU
 Hypo.:39°49.0'N 143°40.0'E 42km



Cent.:39°49.0'N 143°41.3'E 10km $\Delta t = 0.5$
 Mo: 9.82×10^{15} N·m Mw:4.6 Mj:4.8 (sec)
 mrr: 9.42 mtt:-0.24 mff:-9.17
 mrt:-0.64 mrf: 1.90 mtf:-2.45 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 8° 50° 81° P-axis:-9.95 104° 5°
 NP2:201° 40° 100° T-axis: 9.69 231° 82°
 N-axis: 0.26 13° 7°
 V.R.: 78% ϵ :-0.03 N:19 COMP:25

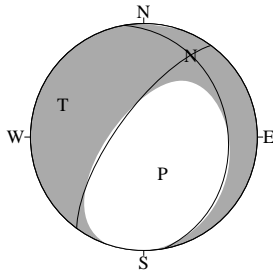
2018/04/19 20:38:24.8
 NE OFF IWATE PREF
 Hypo.:40° 8.8'N 142°27.9'E 34km



Cent.:40° 7.9'N 142°28.2'E 40km $\Delta t = 0.7$
 Mo: 1.79×10^{16} N·m Mw:4.8 Mj:4.8 (sec)
 mrr: 0.95 mtt: 0.38 mff:-1.33
 mrt: 0.67 mrf: 1.16 mtf: 0.03 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 23° 72° 112° P-axis:-1.84 97° 24°
 NP2:152° 28° 42° T-axis: 1.73 323° 58°
 N-axis: 0.11 196° 21°
 V.R.: 82% ϵ :-0.06 N:26 COMP:40

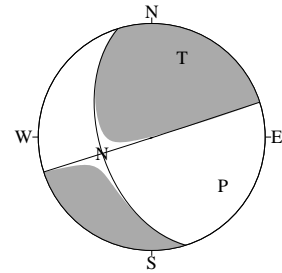
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2018/04/19 22:16:53.7
 FAR E OFF NORTH HONSHU
 Hypo.:39° 9.5'N 144°14.4'E 54km



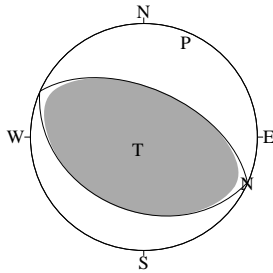
Cent.:39° 9.5'N 144°15.0'E 10km $\Delta t = 0.4$
 Mo: 4.11×10^{15} N·m Mw:4.3 Mj:4.7 (sec)
 mrr:-2.63 mtt:-0.03 mff: 2.66
 mrt: 2.40 mrf: 2.07 mtf: 0.39 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:350° 27° -133° P-axis:-4.43 153° 60°
 NP2:216° 71° -71° T-axis: 3.79 292° 24°
 N-axis: 0.64 30° 18°
 V.R.: 84% ϵ : -0.14 N:16 COMP:17

2018/04/20 19:45:49.5
 OFF NEMURO PENINSULA
 Hypo.:42°42.1'N 144°42.4'E 51km



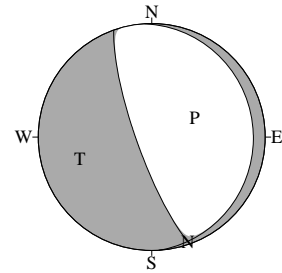
Cent.:42°42.1'N 144°42.6'E 51km $\Delta t = 0.4$
 Mo: 3.32×10^{15} N·m Mw:4.3 Mj:4.5 (sec)
 mrr:-0.02 mtt: 1.56 mff:-1.54
 mrt: 1.98 mrf: 0.52 mtf:-2.12 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 72° 90° 142° P-axis:-3.26 124° 25°
 NP2:163° 52° 1° T-axis: 3.39 21° 26°
 N-axis:-0.13 252° 52°
 V.R.: 77% ϵ : 0.04 N:11 COMP:14

2018/04/21 18:47:18.7
 NEAR CHOSHI CITY
 Hypo.:35°33.6'N 141° 6.2'E 33km



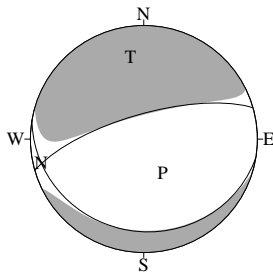
Cent.:35°42.1'N 141° 6.0'E 33km $\Delta t = 4.0$
 Mo: 7.15×10^{16} N·m Mw:5.2 Mj:5.1 (sec)
 mrr: 6.83 mtt:-5.59 mff:-1.24
 mrt:-2.23 mrf: 1.01 mtf: 2.35 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:113° 35° 90° P-axis:-7.05 24° 10°
 NP2:294° 55° 90° T-axis: 7.26 205° 80°
 N-axis:-0.21 114° 0°
 V.R.: 78% ϵ : 0.03 N:24 COMP:38

2018/04/23 05:49:34.4
 NEAR NIIJIMA ISLAND
 Hypo.:34°14.6'N 139° 8.3'E 9km



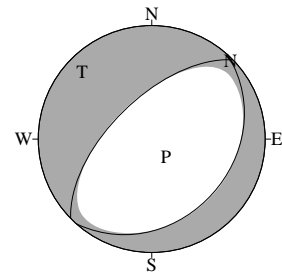
Cent.:34°14.7'N 139° 8.1'E 10km $\Delta t = 0.5$
 Mo: 9.02×10^{15} N·m Mw:4.6 Mj:4.3 (sec)
 mrr:-3.41 mtt: 0.12 mff: 3.29
 mrt:-2.89 mrf: 7.83 mtf:-0.67 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:356° 11° -74° P-axis:-9.05 66° 56°
 NP2:160° 79° -93° T-axis: 8.99 253° 34°
 N-axis: 0.06 161° 3°
 V.R.: 88% ϵ : -0.01 N:34 COMP:42

2018/04/24 17:53:21.7
 OFF NEMURO PENINSULA
 Hypo.:43°14.3'N 145°49.5'E 87km



Cent.:43°11.2'N 145°49.6'E 84km $\Delta t = 2.1$
 Mo: 2.20×10^{17} N·m Mw:5.5 Mj:5.4 (sec)
 mrr:-1.21 mtt: 1.42 mff:-0.21
 mrt: 1.70 mrf: 0.56 mtf: 0.13 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 99° 20° -66° P-axis:-2.10 151° 62°
 NP2:254° 72° -98° T-axis: 2.30 351° 27°
 N-axis:-0.20 257° 8°
 V.R.: 82% ϵ : 0.07 N:19 COMP:35

2018/04/28 18:15:23.7
 SE OFF ETOROFU
 Hypo.:44°25.0'N 148°12.7'E 127km



Cent.:44°25.0'N 148°13.3'E 127km $\Delta t = 0.5$
 Mo: 6.27×10^{15} N·m Mw:4.5 Mj:4.9 (sec)
 mrr:-5.41 mtt: 2.59 mff: 2.82
 mrt: 2.50 mrf: 2.29 mtf: 2.43 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 42° 29° -93° P-axis:-6.41 140° 74°
 NP2:226° 61° -88° T-axis: 6.13 314° 16°
 N-axis: 0.28 45° 2°
 V.R.: 80% ϵ : -0.04 N:6 COMP:7

EQUAL AREA PROJECTON, LOWER HEMISPHERE.