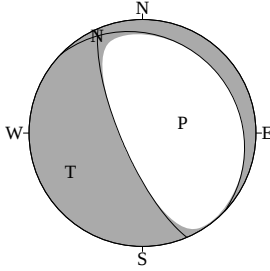


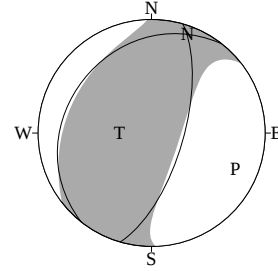
CMT SOLUTIONS FOR EARTHQUAKES IN JANUARY, 2018

2018/01/04 06:30:20.6
NEAR TORISHIMA IS
Hypo.:29°27.6'N 140°20.1'E 8km



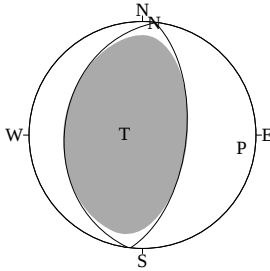
Cent.:29°36.1'N 140°21.9'E 10km $\Delta t = 4.0$
Mo: 2.90×10^{17} N·m Mw:5.6 Mj:5.3 (sec)
mrr:-1.52 mtt: 0.53 mff: 1.00
mrt:-0.86 mrf: 2.28 mtf:-0.69 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:314° 17° -112° P-axis:-2.90 76° 60°
NP2:157° 74° -84° T-axis: 2.80 242° 29°
N-axis: 0.10 335° 6°
V.R.: 81% ϵ :-0.03 N:21 COMP:41

2018/01/05 11:02:25.5
NEAR CHOSHI CITY
Hypo.:35°53.7'N 140°53.4'E 41km



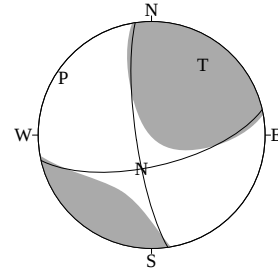
Cent.:35°51.4'N 140°53.4'E 41km $\Delta t = 0.6$
Mo: 8.94×10^{15} N·m Mw:4.6 Mj:4.5 (sec)
mrr: 5.52 mtt: 0.27 mff:-5.79
mrt: 1.53 mrf: 5.91 mtf:-3.62 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 16° 67° 81° P-axis:-9.84 113° 21°
NP2:218° 25° 110° T-axis: 8.05 270° 67°
N-axis: 1.80 20° 8°
V.R.: 82% ϵ :-0.18 N:11 COMP:18

2018/01/06 00:54:13.9
CENTRAL CHIBA PREF
Hypo.:35°38.6'N 140° 1.3'E 71km



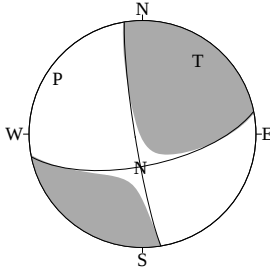
Cent.:35°33.7'N 140° 1.9'E 69km $\Delta t = 0.9$
Mo: 2.35×10^{16} N·m Mw:4.8 Mj:4.7 (sec)
mrr: 2.17 mtt:-0.16 mff:-2.02
mrt: 0.10 mrf: 1.05 mtf:-0.22 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 6° 58° 89° P-axis:-2.29 97° 13°
NP2:187° 32° 91° T-axis: 2.42 275° 77°
N-axis:-0.13 6° 0°
V.R.: 83% ϵ : 0.05 N:18 COMP:34

2018/01/06 04:37:58.1
E OFF IZU PENINSULA
Hypo.:34°51.1'N 139°15.2'E 12km



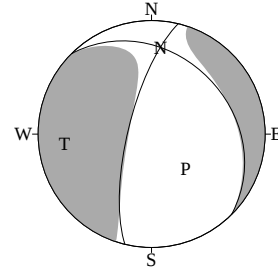
Cent.:34°51.1'N 139°15.9'E 12km $\Delta t = 0.3$
Mo: 2.55×10^{15} N·m Mw:4.2 Mj:4.4 (sec)
mrr: 0.04 mtt: 0.76 mff:-0.80
mrt: 0.84 mrf:-0.92 mtf:-2.12 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 77° 68° 168° P-axis:-2.32 303° 8°
NP2:172° 79° 23° T-axis: 2.78 36° 24°
N-axis:-0.47 197° 65°
V.R.: 72% ϵ : 0.17 N:19 COMP:24

2018/01/06 05:47:58.9
E OFF IZU PENINSULA
Hypo.:34°51.1'N 139°14.7'E 11km



Cent.:34°51.1'N 139°15.2'E 11km $\Delta t = 0.4$
Mo: 3.93×10^{15} N·m Mw:4.3 Mj:4.5 (sec)
mrr: 0.10 mtt: 1.20 mff:-1.30
mrt: 0.72 mrf:-1.44 mtf:-3.37 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 78° 67° 174° P-axis:-3.81 303° 12°
NP2:171° 85° 23° T-axis: 4.06 37° 20°
N-axis:-0.25 183° 66°
V.R.: 79% ϵ : 0.06 N:28 COMP:35

2018/01/09 05:52: 8.5
IYONADA SETONAIKAI
Hypo.:33°46.5'N 132°12.3'E 57km

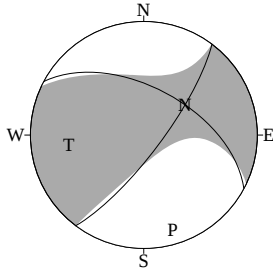


Cent.:33°46.5'N 132°12.0'E 57km $\Delta t = 0.5$
Mo: 7.17×10^{15} N·m Mw:4.5 Mj:4.3 (sec)
mrr:-3.42 mtt:-1.70 mff: 5.12
mrt: 1.71 mrf: 5.06 mtf:-1.70 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:315° 30° -145° P-axis:-6.79 135° 55°
NP2:194° 73° -65° T-axis: 7.55 264° 24°
N-axis:-0.75 6° 24°
V.R.: 85% ϵ : 0.10 N:14 COMP:18

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

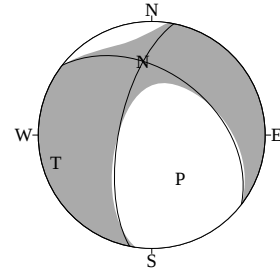
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf:Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG:Moment tensor component, azimuth and plunge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

2018/01/10 07:20:50.0
E OFF BOSO PENINSULA
Hypo.:35°25.3'N 141°13.9'E 34km



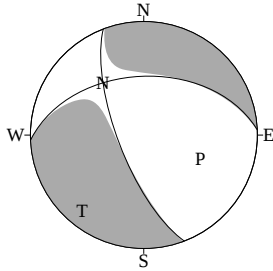
Cent.:35°20.5'N 141°13.8'E 28km $\Delta t = 1.0$
Mo: 1.63×10^{16} N·m Mw:4.7 Mj:4.7 (sec)
mrr: 0.55 mtt: -1.49 mff: 0.95
mrt: 0.42 mrf: 0.67 mtf: -0.64 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 37° 77° 35° P-axis: -1.80 163° 14°
NP2: 298° 56° 165° T-axis: 1.47 263° 34°
N-axis: 0.32 54° 53°
V.R.: 89% ϵ : -0.18 N:13 COMP:19

2018/01/10 07:30:19.6
E OFF BOSO PENINSULA
Hypo.:35°25.3'N 141°12.7'E 32km



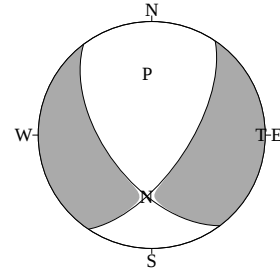
Cent.:35°27.2'N 141°12.4'E 28km $\Delta t = 5.0$
Mo: 4.80×10^{16} N·m Mw:5.1 Mj:5.2 (sec)
mrr: -2.77 mtt: -0.63 mff: 3.40
mrt: 2.13 mrf: 2.30 mtf: -1.94 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 308° 44° -145° P-axis: -5.12 147° 52°
NP2: 191° 66° -51° T-axis: 4.48 254° 13°
N-axis: 0.64 353° 35°
V.R.: 81% ϵ : -0.13 N:7 COMP:12

2018/01/14 18:07:33.1
S OFF URAKAWA
Hypo.:41°56.2'N 143° 2.8'E 41km



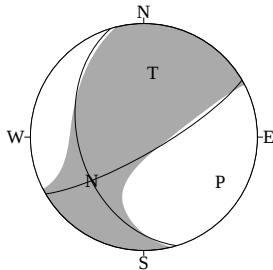
Cent.:41°56.2'N 143° 2.8'E 41km $\Delta t = 0.5$
Mo: 6.73×10^{15} N·m Mw:4.5 Mj:4.7 (sec)
mrr: -2.98 mtt: 3.32 mff: -0.34
mrt: -0.25 mrf: 3.94 mtf: -4.45 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 159° 71° -46° P-axis: -6.51 113° 45°
NP2: 267° 47° -154° T-axis: 6.95 219° 15°
N-axis: -0.44 322° 41°
V.R.: 80% ϵ : 0.06 N:19 COMP:24

2018/01/16 05:41:38.0
E OFF TANEGASHIMA ISLAND
Hypo.:30°36.0'N 132° 8.4'E 59km



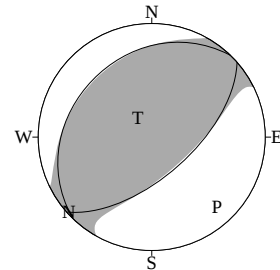
Cent.:30°36.0'N 132° 8.4'E 10km $\Delta t = 0.5$
Mo: 8.28×10^{15} N·m Mw:4.5 Mj:4.2 (sec)
mrr: -4.06 mtt: -4.17 mff: 8.23
mrt: -4.08 mrf: -0.97 mtf: -0.32 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 34° 64° -38° P-axis: -8.25 356° 45°
NP2: 143° 56° -148° T-axis: 8.31 90° 4°
N-axis: -0.06 185° 45°
V.R.: 84% ϵ : 0.01 N:18 COMP:23

2018/01/19 21:00: 0.7
NEAR KUNASHIRI ISLAND
Hypo.:43°31.5'N 146°22.7'E 81km



Cent.:43°31.6'N 146°22.3'E 81km $\Delta t = 5.5$
Mo: 6.06×10^{15} N·m Mw:4.5 Mj:4.7 (sec)
mrr: 1.92 mtt: 1.86 mff: -3.79
mrt: 3.53 mrf: 2.06 mtf: -3.19 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 60° 78° 131° P-axis: -6.61 120° 23°
NP2: 163° 42° 17° T-axis: 5.51 8° 42°
N-axis: 1.10 230° 40°
V.R.: 79% ϵ : -0.17 N:8 COMP:12

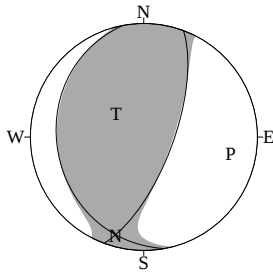
2018/01/20 14:51:28.9
SE OFF ETOROFU
Hypo.:44°45.5'N 149°23.8'E 30km



Cent.:44°44.4'N 149°24.6'E 37km $\Delta t = 0.6$
Mo: 3.85×10^{16} N·m Mw:5.0 Mj:5.1 (sec)
mrr: 3.04 mtt: -1.62 mff: -1.42
mrt: 1.64 mrf: 1.37 mtf: -1.85 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 49° 62° 92° P-axis: -4.02 137° 17°
NP2: 224° 28° 86° T-axis: 3.69 324° 73°
N-axis: 0.33 228° 2°
V.R.: 82% ϵ : -0.08 N:8 COMP:14

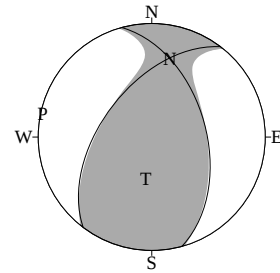
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2018/01/24 19:51:19.5
E OFF AOMORI PREF
Hypo.:41° 0.5'N 142°26.8'E 34km



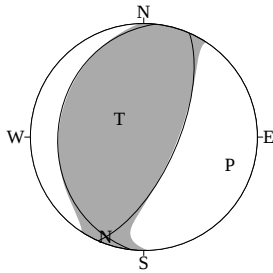
Cent.:40°58.6'N 142°27.1'E 41km $\Delta t = 3.7$
Mo: $5.59 \times 10^{18} \text{N}\cdot\text{m}$ Mw:6.4 Mj:6.3 (sec)
mrr: 3.50 mtt: 0.57 mff:-4.07
mrt: 1.72 mrf: 3.68 mtf:-0.50 ($\times 10^{18} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 21° 69° 102° P-axis:-5.76 101° 23°
NP2:169° 24° 61° T-axis: 5.41 310° 64°
N-axis: 0.35 196° 11°
V.R.: 82% ϵ :-0.06 N:11 COMP:23

2018/01/27 03:11: 0.1
KINKAZAN REGION
Hypo.:38°14.3'N 141°36.6'E 63km



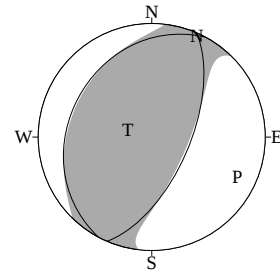
Cent.:38°14.3'N 141°36.2'E 63km $\Delta t = 0.5$
Mo: $7.13 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.5 Mj:4.5 (sec)
mrr: 5.31 mtt: 1.73 mff:-7.04
mrt:-2.73 mrf: 0.15 mtf:-1.78 ($\times 10^{15} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1:345° 50° 50° P-axis:-7.40 282° 2°
NP2:217° 54° 128° T-axis: 6.86 188° 60°
N-axis: 0.54 13° 30°
V.R.: 80% ϵ :-0.07 N:12 COMP:12

2018/01/28 04:43:28.6
NE OFF IWATE PREF
Hypo.:40° 7.1'N 142°25.4'E 35km



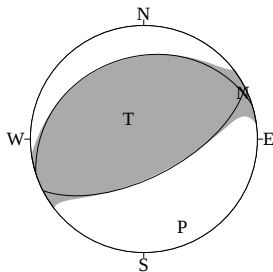
Cent.:40° 5.6'N 142°25.7'E 47km $\Delta t = 1.7$
Mo: $2.50 \times 10^{16} \text{N}\cdot\text{m}$ Mw:4.9 Mj:4.9 (sec)
mrr: 1.77 mtt: 0.05 mff:-1.82
mrt: 0.76 mrf: 1.47 mtf:-0.56 ($\times 10^{16} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 24° 66° 97° P-axis:-2.58 108° 21°
NP2:186° 25° 74° T-axis: 2.42 308° 68°
N-axis: 0.16 201° 7°
V.R.: 84% ϵ :-0.06 N:18 COMP:25

2018/01/30 09:25:58.8
KINKAZAN REGION
Hypo.:38°32.2'N 141°49.0'E 49km



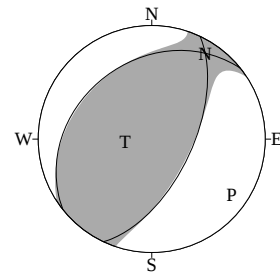
Cent.:38°32.2'N 141°49.2'E 49km $\Delta t = 0.5$
Mo: $7.36 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.5 Mj:4.5 (sec)
mrr: 5.62 mtt:-0.57 mff:-5.05
mrt: 1.60 mrf: 3.96 mtf:-2.76 ($\times 10^{15} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 23° 63° 88° P-axis:-7.73 115° 18°
NP2:208° 27° 94° T-axis: 7.00 288° 72°
N-axis: 0.73 24° 2°
V.R.: 73% ϵ :-0.09 N:15 COMP:16

2018/01/30 12:50:47.4
SE OFF ETOROFU
Hypo.:44°42.9'N 149°40.0'E 30km



Cent.:44°42.9'N 149°40.7'E 30km $\Delta t = 0.8$
Mo: $3.10 \times 10^{16} \text{N}\cdot\text{m}$ Mw:4.9 Mj:4.7 (sec)
mrr: 2.46 mtt:-2.23 mff:-0.23
mrt: 1.53 mrf: 0.88 mtf:-1.01 ($\times 10^{16} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 63° 62° 86° P-axis:-3.19 156° 17°
NP2:252° 28° 98° T-axis: 3.02 323° 72°
N-axis: 0.18 65° 4°
V.R.: 81% ϵ :-0.06 N:9 COMP:11

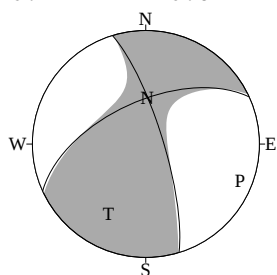
2018/01/31 05:11:48.3
S OFF URAKAWA
Hypo.:42° 1.1'N 142°35.4'E 62km



Cent.:41°57.3'N 142°35.7'E 61km $\Delta t = 0.8$
Mo: $2.07 \times 10^{16} \text{N}\cdot\text{m}$ Mw:4.8 Mj:4.7 (sec)
mrr: 1.65 mtt:-0.56 mff:-1.09
mrt: 0.27 mrf: 1.03 mtf:-1.02 ($\times 10^{16} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 25° 61° 76° P-axis:-2.14 125° 15°
NP2:231° 32° 113° T-axis: 2.00 265° 71°
N-axis: 0.14 32° 12°
V.R.: 78% ϵ :-0.06 N:26 COMP:42

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2018/01/31 10:15:23.1
 E OFF IBARAKI PREF
 Hypo.:36°20.4'N 141° 0.8'E 46km



Cent.:36°20.4'N 141° 1.3'E 46km $\Delta t = 0.5$
 Mo: $8.60 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.6 Mj:4.5 (sec)
 mrr: 2.37 mtt: 3.81 mff:-6.18
 mrt:-2.11 mrf: 3.41 mtf:-5.41 ($\times 10^{15} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1:245° 59° 165° P-axis:-9.04 111° 12°
 NP2:343° 78° 32° T-axis: 8.17 208° 31°
 N-axis: 0.87 2° 56°
 V.R.: 75% ϵ :-0.10 N:16 COMP:22

EQUAL AREA PROJECTON, LOWER HEMISPHERE.