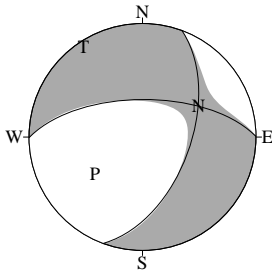


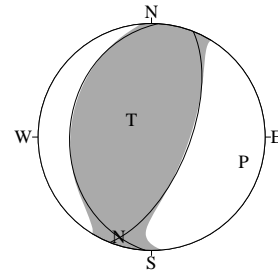
CMT SOLUTIONS FOR EARTHQUAKES IN AUGUST, 2018

2018/08/03 22:07: 0.4
SHIKOKU BASIN
Hypo.:30°21.4'N 137°28.1'E 539km



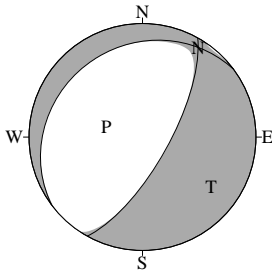
Cent.:30°22.6'N 137°27.2'E 528km $\Delta t = 0.4$
Mo: 2.91×10^{16} N·m Mw:4.9 Mj:5.0 (sec)
mrr:-1.47 mtt: 1.42 mff: 0.04
mrt: 1.16 mrf:-1.13 mtf: 1.94 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 20° 55° -146° P-axis:-3.00 232° 46°
NP2:270° 63° -40° T-axis: 2.82 327° 5°
N-axis: 0.18 61° 43°
V.R.: 90% ϵ :-0.06 N:49 COMP:78

2018/08/05 17:44:16.8
E OFF AOMORI PREF
Hypo.:41°29.8'N 142° 0.7'E 62km



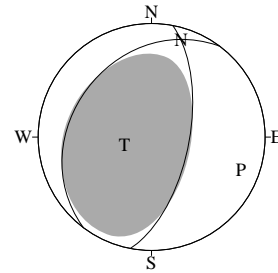
Cent.:41°29.8'N 142° 1.0'E 62km $\Delta t = 0.4$
Mo: 5.31×10^{15} N·m Mw:4.4 Mj:4.2 (sec)
mrr: 4.08 mtt: 0.25 mff:-4.33
mrt: 1.39 mrf: 2.73 mtf:-1.12 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 22° 63° 99° P-axis:-5.52 105° 17°
NP2:183° 28° 74° T-axis: 5.11 311° 71°
N-axis: 0.41 198° 8°
V.R.: 80% ϵ :-0.07 N:18 COMP:22

2018/08/06 07:50: 5.0
FAR E OFF SANRIKU
Hypo.:40°14.2'N 143°31.1'E 11km



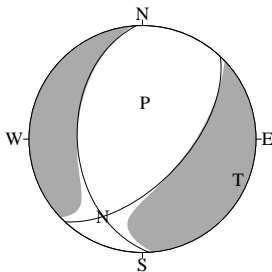
Cent.:40°14.2'N 143°30.8'E 11km $\Delta t = 5.4$
Mo: 5.62×10^{15} N·m Mw:4.4 Mj:4.6 (sec)
mrr:-3.45 mtt: 1.51 mff: 1.94
mrt:-1.90 mrf:-3.98 mtf: 1.78 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 29° 71° -98° P-axis:-5.68 286° 63°
NP2:233° 21° -67° T-axis: 5.57 126° 26°
N-axis: 0.11 32° 8°
V.R.: 86% ϵ :-0.02 N:17 COMP:25

2018/08/06 19:56: 5.0
NEAR CHOSHI CITY
Hypo.:35°33.1'N 141° 2.8'E 37km



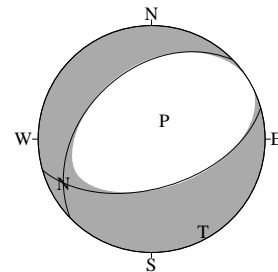
Cent.:35°33.1'N 141° 2.2'E 37km $\Delta t = 4.5$
Mo: 8.25×10^{15} N·m Mw:4.5 Mj:4.5 (sec)
mrr: 7.00 mtt:-1.66 mff:-5.34
mrt:-0.20 mrf: 4.84 mtf:-2.28 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 11° 63° 77° P-axis:-7.74 110° 17°
NP2:217° 30° 113° T-axis: 8.76 255° 70°
N-axis:-1.02 17° 11°
V.R.: 79% ϵ : 0.12 N:17 COMP:23

2018/08/08 00:12:59.3
FAR E OFF MIYAGI PREF
Hypo.:37°54.9'N 143°56.3'E 50km



Cent.:37°57.2'N 143°57.1'E 29km $\Delta t = 3.1$
Mo: 3.50×10^{17} N·m Mw:5.6 Mj:5.6 (sec)
mrr:-2.64 mtt:-0.29 mff: 2.93
mrt:-1.44 mrf:-0.45 mtf: 1.40 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 43° 58° -61° P-axis:-3.30 4° 64°
NP2:177° 42° -128° T-axis: 3.60 113° 9°
N-axis:-0.30 207° 24°
V.R.: 87% ϵ : 0.07 N:15 COMP:37

2018/08/08 18:07:20.0
E OFF FUKUSHIMA PREF
Hypo.:37°11.4'N 141°11.7'E 21km

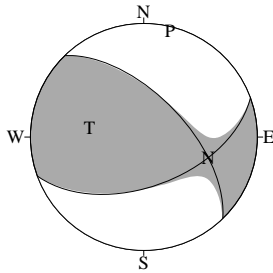


Cent.:37° 5.5'N 141°12.1'E 21km $\Delta t = 1.1$
Mo: 1.10×10^{16} N·m Mw:4.6 Mj:4.9 (sec)
mrr:-1.02 mtt: 0.76 mff: 0.26
mrt:-0.38 mrf: 0.12 mtf: 0.45 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 74° 54° -72° P-axis:-1.13 35° 74°
NP2:225° 40° -113° T-axis: 1.06 151° 7°
N-axis: 0.07 243° 14°
V.R.: 81% ϵ :-0.06 N:16 COMP:22

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

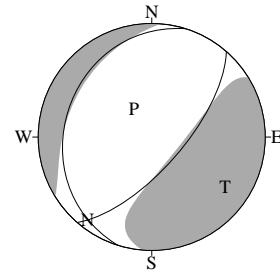
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf: Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG: Moment tensor component, azimuth and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

2018/08/10 21:18:22.4
SOUTHERN SURUGA BAY REG
Hypo.:34°52.8'N 138°22.8'E 22km



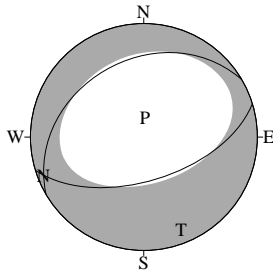
Cent.:34°52.8'N 138°23.1'E 22km $\Delta t = 0.4$
Mo: $3.39 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.3 Mj:4.4 (sec)
mrr: 1.98 mtt:-3.21 mff: 1.23
mrt: 0.01 mrf: 1.58 mtf: 1.09 ($\times 10^{15} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 70° 54° 37° P-axis:-3.48 14° 4°
NP2:316° 61° 138° T-axis: 3.30 280° 50°
N-axis: 0.18 108° 40°
V.R.: 82% ϵ :-0.05 N:12 COMP:15

2018/08/11 03:12: 6.8
FAR FIELD
Hypo.:48°14.8'N 155° 6.5'E 30km



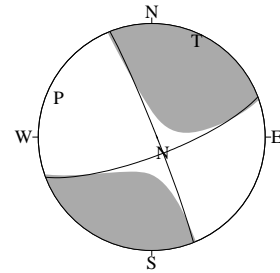
Cent.:48°11.6'N 155°12.0'E 24km $\Delta t = 8.3$
Mo: $1.93 \times 10^{18} \text{N}\cdot\text{m}$ Mw:6.1 Mj:6.4 (sec)
mrr:-1.15 mtt: 0.13 mff: 1.02
mrt:-0.93 mrf:-1.01 mtf: 0.87 ($\times 10^{18} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 41° 68° -81° P-axis:-1.75 328° 66°
NP2:197° 24° -112° T-axis: 2.11 124° 23°
N-axis:-0.36 218° 9°
V.R.: 77% ϵ : 0.17 N:12 COMP:20

2018/08/11 06:11:16.1
E OFF FUKUSHIMA PREF
Hypo.:37° 9.4'N 141°11.7'E 20km



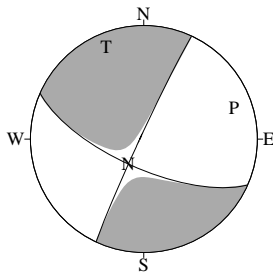
Cent.:37° 3.3'N 141°12.7'E 15km $\Delta t = 0.5$
Mo: $2.62 \times 10^{16} \text{N}\cdot\text{m}$ Mw:4.9 Mj:5.0 (sec)
mrr:-2.56 mtt: 1.82 mff: 0.75
mrt:-1.19 mrf:-0.10 mtf: 0.64 ($\times 10^{16} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 73° 58° -83° P-axis:-2.87 4° 76°
NP2:239° 32° -102° T-axis: 2.38 158° 13°
N-axis: 0.49 249° 6°
V.R.: 82% ϵ :-0.17 N:10 COMP:19

2018/08/14 12:35:48.6
KUJUKURI COAST BOSO PEN
Hypo.:35°11.7'N 140°32.9'E 59km



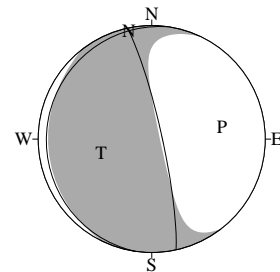
Cent.:35°11.7'N 140°33.1'E 59km $\Delta t = 0.5$
Mo: $9.88 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.6 Mj:4.7 (sec)
mrr:-1.23 mtt: 7.05 mff:-5.82
mrt: 0.63 mrf:-2.16 mtf:-7.13 ($\times 10^{15} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 69° 76° -177° P-axis:-9.36 293° 12°
NP2:338° 87° -14° T-axis:10.40 25° 7°
N-axis:-1.05 145° 76°
V.R.: 75% ϵ : 0.10 N:11 COMP:16

2018/08/14 18:22:38.6
NEAR MINAMI-DAITOJIMA IS
Hypo.:25°19.8'N 130°21.7'E 39km



Cent.:25°23.2'N 130°20.5'E 10km $\Delta t = 4.0$
Mo: $2.18 \times 10^{16} \text{N}\cdot\text{m}$ Mw:4.8 Mj:4.9 (sec)
mrr:-0.14 mtt: 1.60 mff:-1.46
mrt: 0.28 mrf: 0.72 mtf: 1.35 ($\times 10^{16} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1:205° 87° -159° P-axis:-2.14 71° 17°
NP2:114° 69° -3° T-axis: 2.23 338° 13°
N-axis:-0.09 212° 69°
V.R.: 93% ϵ : 0.04 N:9 COMP:14

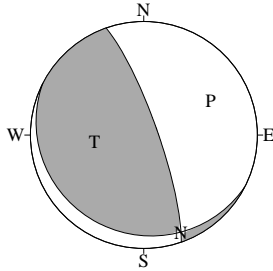
2018/08/17 03:23: 3.8
IOTO ISLANDS REGION
Hypo.:23°41.9'N 143°13.0'E 93km



Cent.:23°14.2'N 143°13.0'E 11km $\Delta t = 0.4$
Mo: $4.36 \times 10^{18} \text{N}\cdot\text{m}$ Mw:6.4 Mj:6.6 (sec)
mrr: 0.85 mtt: 0.54 mff:-1.39
mrt:-0.89 mrf: 4.11 mtf: 0.21 ($\times 10^{18} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1:348° 83° 87° P-axis:-4.63 80° 37°
NP2:188° 8° 110° T-axis: 4.09 255° 52°
N-axis: 0.54 348° 3°
V.R.: 80% ϵ :-0.12 N:19 COMP:39

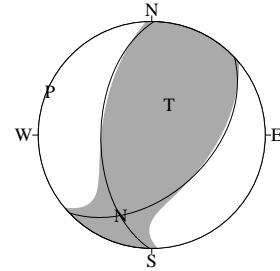
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2018/08/18 07:06:58.9
 IOTO ISLANDS REGION
 Hypo.:23°36.6'N 143°28.4'E 114km



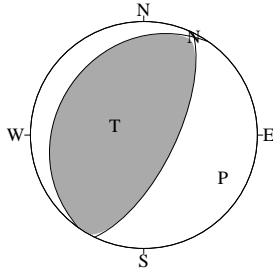
Cent.:23°23.3'N 143°23.5'E 10km $\Delta t = 1.1$
 Mo: 4.20×10^{17} N·m Mw:5.7 Mj:5.8 (sec)
 mrr: 1.42 mtt:-0.58 mff:-0.84
 mrt:-1.16 mrf: 3.67 mtf: 0.96 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:341° 80° 99° P-axis:-4.10 63° 34°
 NP2:117° 14° 47° T-axis: 4.20 262° 54°
 N-axis: 0.00 159° 9°
 V.R.: 81% ϵ : 0.00 N:17 COMP:31

2018/08/19 01:41:51.9
 SE OFF ETOROFU
 Hypo.:44°45.8'N 148°30.8'E 30km



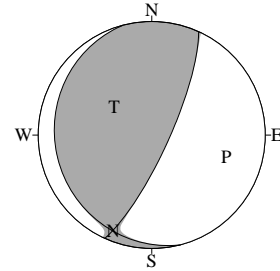
Cent.:44°45.8'N 148°31.9'E 70km $\Delta t = 0.5$
 Mo: 5.52×10^{15} N·m Mw:4.4 Mj:4.7 (sec)
 mrr: 4.36 mtt: 0.30 mff:-4.66
 mrt: 1.35 mrf:-1.18 mtf:-2.69 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 47° 47° 125° P-axis:-5.87 293° 3°
 NP2:181° 53° 58° T-axis: 5.17 30° 65°
 N-axis: 0.69 201° 25°
 V.R.: 79% ϵ :-0.12 N:12 COMP:16

2018/08/23 00:06:26.5
 E OFF AOMORI PREF
 Hypo.:41°18.9'N 142°39.0'E 35km



Cent.:41°18.2'N 142°39.1'E 35km $\Delta t = 0.8$
 Mo: 2.41×10^{16} N·m Mw:4.9 Mj:4.9 (sec)
 mrr: 1.73 mtt:-0.44 mff:-1.29
 mrt: 0.68 mrf: 1.54 mtf:-0.75 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 26° 67° 86° P-axis:-2.41 118° 22°
 NP2:215° 23° 98° T-axis: 2.42 289° 68°
 N-axis:-0.01 27° 3°
 V.R.: 74% ϵ : 0.00 N:13 COMP:16

2018/08/24 23:15:54.6
 E OFF AOMORI PREF
 Hypo.:41° 5.6'N 142°37.5'E 32km



Cent.:41°15.3'N 142°37.2'E 29km $\Delta t = 4.7$
 Mo: 6.15×10^{16} N·m Mw:5.1 Mj:5.1 (sec)
 mrr: 2.51 mtt: 0.38 mff:-2.88
 mrt: 2.47 mrf: 4.92 mtf:-0.30 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 24° 78° 100° P-axis:-6.17 106° 32°
 NP2:165° 16° 52° T-axis: 6.13 307° 56°
 N-axis: 0.05 202° 10°
 V.R.: 82% ϵ :-0.01 N:17 COMP:20

EQUAL AREA PROJECTON, LOWER HEMISPHERE.