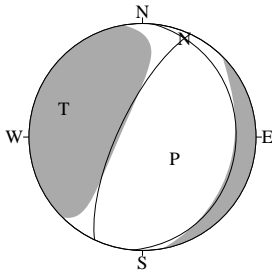


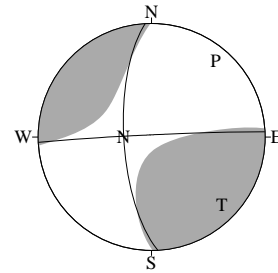
CMT SOLUTIONS FOR EARTHQUAKES IN JUNE, 2020

2020/06/01 06:02:11.2  
SOUTHERN IBARAKI PREF  
Hypo.:36°11.4'N 140°20.6'E 97km



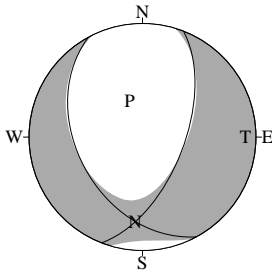
Cent.:36°16.5'N 140°20.5'E 93km  $\Delta t = 3.2$   
Mo:  $9.59 \times 10^{16}$  N·m Mw:5.3 Mj:5.2 (sec)  
mrr:-4.68 mtt:-1.02 mff: 5.69  
mrt: 3.35 mrf: 7.05 mtf: 2.33 ( $\times 10^{16}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 5° 19°-109° P-axis:-8.77 124° 62°  
NP2:205° 73° -84° T-axis:10.41 290° 27°  
N-axis:-1.63 23° 6°  
V.R.: 84%  $\epsilon$ : 0.16 N:39 COMP:88

2020/06/01 09:33:30.3  
SATSUMA PENINSULA REGION  
Hypo.:31°34.8'N 130°20.2'E 9km



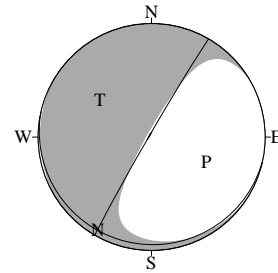
Cent.:31°34.8'N 130°20.0'E 10km  $\Delta t = 0.4$   
Mo:  $2.79 \times 10^{15}$  N·m Mw:4.2 Mj:4.3 (sec)  
mrr:-0.35 mtt:-0.05 mff: 0.40  
mrt:-0.95 mrf:-0.35 mtf: 2.60 ( $\times 10^{15}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1:267° 88° 20° P-axis:-2.55 40° 13°  
NP2:177° 70° 178° T-axis: 3.03 134° 15°  
N-axis:-0.48 271° 70°  
V.R.: 53%  $\epsilon$ : 0.16 N:15 COMP:26

2020/06/01 19:31: 6.8  
NEAR TORISHIMA IS  
Hypo.:30°47.7'N 140°50.2'E 42km



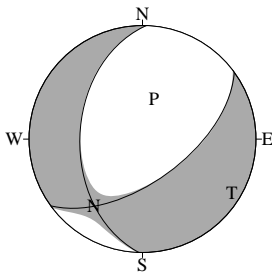
Cent.:30°32.4'N 140°46.3'E 10km  $\Delta t = 1.8$   
Mo:  $2.77 \times 10^{16}$  N·m Mw:4.9 Mj:4.7 (sec)  
mrr:-2.12 mtt:-0.36 mff: 2.48  
mrt:-1.25 mrf:-0.84 mtf:-0.23 ( $\times 10^{16}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 21° 60° -59° P-axis:-2.91 341° 62°  
NP2:152° 42°-131° T-axis: 2.63 90° 10°  
N-axis: 0.28 185° 26°  
V.R.: 70%  $\epsilon$ :-0.10 N:31 COMP:70

2020/06/02 01:00:42.9  
FAR FIELD  
Hypo.:47°25.4'N 154° 1.8'E 210km



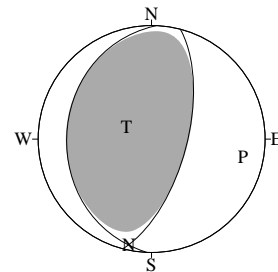
Cent.:48°14.9'N 154° 4.1'E 190km  $\Delta t = 0.0$   
Mo:  $4.47 \times 10^{16}$  N·m Mw:5.0 Mj:4.8 (sec)  
mrr:-0.53 mtt: 0.77 mff:-0.24  
mrt: 2.15 mrf: 3.89 mtf: 0.00 ( $\times 10^{16}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1:103° 6° -17° P-axis:-4.73 114° 46°  
NP2:210° 88° -96° T-axis: 4.21 306° 43°  
N-axis: 0.52 210° 6°  
V.R.: 76%  $\epsilon$ :-0.11 N:16 COMP:22

2020/06/03 00:41:18.2  
FAR E OFF NORTH HONSHU  
Hypo.:37°39.5'N 144°13.5'E 52km



Cent.:37°40.9'N 144°14.6'E 12km  $\Delta t = 2.5$   
Mo:  $3.23 \times 10^{16}$  N·m Mw:4.9 Mj:5.0 (sec)  
mrr:-2.39 mtt: 0.13 mff: 2.26  
mrt:-1.65 mrf: 0.01 mtf: 1.53 ( $\times 10^{16}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 54° 59° -57° P-axis:-3.30 16° 60°  
NP2:182° 44°-133° T-axis: 3.17 121° 9°  
N-axis: 0.12 216° 28°  
V.R.: 86%  $\epsilon$ :-0.04 N:41 COMP:98

2020/06/04 05:31:18.9  
NORTHERN IBARAKI PREF  
Hypo.:36°25.7'N 140°41.5'E 52km

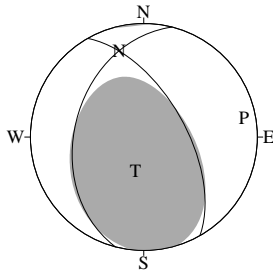


Cent.:36°27.2'N 140°41.8'E 52km  $\Delta t = 0.7$   
Mo:  $1.66 \times 10^{16}$  N·m Mw:4.7 Mj:4.8 (sec)  
mrr: 1.32 mtt:-0.08 mff:-1.24  
mrt: 0.34 mrf: 0.99 mtf:-0.17 ( $\times 10^{16}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 15° 65° 95° P-axis:-1.62 101° 19°  
NP2:182° 26° 79° T-axis: 1.69 296° 70°  
N-axis:-0.07 192° 5°  
V.R.: 78%  $\epsilon$ : 0.04 N:21 COMP:40

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

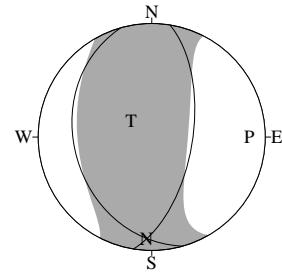
Hypo.:Location of hypocenter, Cent.:Location of centroid,  $\Delta t$ :Centroid time minus origin time  
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude  
mrr,mtt,mff,mrt,mrf,mtf: Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane  
MOM,AZM,PLG: Moment tensor component,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

2020/06/10 00:22:40.2  
TOSA BAY REGION  
Hypo.:33°19.0'N 133°21.8'E 21km



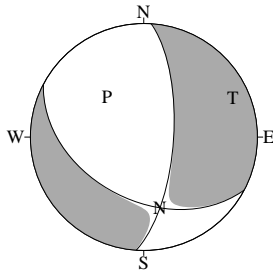
Cent.:33°19.0'N 133°21.7'E 21km  $\Delta t = 0.5$   
Mo:  $9.39 \times 10^{15} \text{N}\cdot\text{m}$  Mw:4.6 Mj:4.7 (sec)  
mrr: 7.75 mtt: 0.22 mff:-7.97  
mrt:-4.61 mrf: 2.45 mtf: 0.83 ( $\times 10^{15} \text{N}\cdot\text{m}$ )  
STR DIP SLIP MOM AZM PLG  
NP1:330° 60° 64° P-axis:-8.64 79° 11°  
NP2:194° 39° 127° T-axis:10.13 194° 65°  
N-axis:-1.49 344° 22°  
V.R.: 83%  $\epsilon$ : 0.15 N:48 COMP:84

2020/06/13 04:16:23.7  
FAR E OFF SANRIKU  
Hypo.:39°17.3'N 143°53.3'E 57km



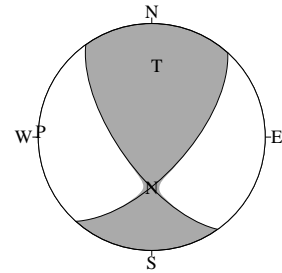
Cent.:39°17.4'N 143°54.9'E 57km  $\Delta t = 0.5$   
Mo:  $6.49 \times 10^{15} \text{N}\cdot\text{m}$  Mw:4.5 Mj:4.6 (sec)  
mrr: 4.62 mtt: 1.94 mff:-6.56  
mrt: 0.72 mrf: 3.13 mtf: 0.23 ( $\times 10^{15} \text{N}\cdot\text{m}$ )  
STR DIP SLIP MOM AZM PLG  
NP1: 9° 61° 103° P-axis:-7.38 90° 15°  
NP2:164° 32° 68° T-axis: 5.59 309° 71°  
N-axis: 1.79 183° 11°  
V.R.: 74%  $\epsilon$ :-0.24 N:32 COMP:51

2020/06/14 00:51:23.0  
NW OFF AMAMI-OSHIMA IS  
Hypo.:28°45.8'N 128°21.3'E 165km



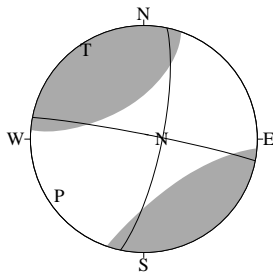
Cent.:28°41.4'N 128°22.5'E 178km  $\Delta t = 7.9$   
Mo:  $1.06 \times 10^{19} \text{N}\cdot\text{m}$  Mw:6.6 Mj:6.3 (sec)  
mrr:-0.56 mtt:-0.09 mff: 0.65  
mrt:-0.27 mrf:-0.58 mtf:-0.59 ( $\times 10^{19} \text{N}\cdot\text{m}$ )  
STR DIP SLIP MOM AZM PLG  
NP1: 4° 69° -51° P-axis:-1.05 318° 50°  
NP2:118° 44° -148° T-axis: 1.08 66° 15°  
N-axis:-0.02 167° 36°  
V.R.: 81%  $\epsilon$ : 0.02 N:27 COMP:70

2020/06/14 05:18:59.9  
NW OFF ISHIGAKIJIMA IS  
Hypo.:24°12.1'N 122°25.7'E 52km



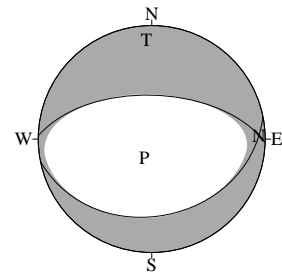
Cent.:24°10.3'N 122°25.9'E 53km  $\Delta t = 3.8$   
Mo:  $1.50 \times 10^{17} \text{N}\cdot\text{m}$  Mw:5.4 Mj:5.5 (sec)  
mrr: 0.54 mtt: 0.97 mff:-1.51  
mrt: 0.71 mrf:-0.09 mtf:-0.14 ( $\times 10^{17} \text{N}\cdot\text{m}$ )  
STR DIP SLIP MOM AZM PLG  
NP1: 42° 64° 154° P-axis:-1.50 273° 2°  
NP2:144° 66° 29° T-axis: 1.50 4° 37°  
N-axis: 0.00 180° 53°  
V.R.: 82%  $\epsilon$ :-0.01 N:6 COMP:9

2020/06/15 02:28:38.7  
NW OFF ISHIGAKIJIMA IS  
Hypo.:24°53.8'N 123°19.4'E 21km



Cent.:24°43.6'N 123°19.2'E 13km  $\Delta t = 2.0$   
Mo:  $1.57 \times 10^{16} \text{N}\cdot\text{m}$  Mw:4.7 Mj:5.0 (sec)  
mrr:-0.77 mtt: 1.01 mff:-0.24  
mrt: 0.31 mrf: 0.11 mtf: 1.41 ( $\times 10^{16} \text{N}\cdot\text{m}$ )  
STR DIP SLIP MOM AZM PLG  
NP1: 12° 77° -177° P-axis:-1.17 236° 11°  
NP2:281° 87° -13° T-axis: 1.96 327° 7°  
N-axis:-0.79 87° 77°  
V.R.: 59%  $\epsilon$ : 0.40 N:8 COMP:17

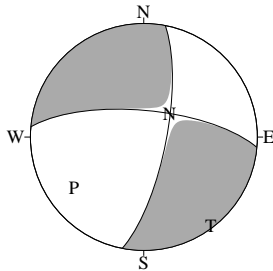
2020/06/15 03:15:10.9  
NW OFF ISHIGAKIJIMA IS  
Hypo.:24°52.6'N 123°17.1'E 25km



Cent.:24°50.5'N 123°17.0'E 11km  $\Delta t = 0.8$   
Mo:  $3.36 \times 10^{16} \text{N}\cdot\text{m}$  Mw:5.0 Mj:5.3 (sec)  
mrr:-3.06 mtt: 2.93 mff: 0.13  
mrt: 1.48 mrf:-0.28 mtf: 0.25 ( $\times 10^{16} \text{N}\cdot\text{m}$ )  
STR DIP SLIP MOM AZM PLG  
NP1: 79° 32° -101° P-axis:-3.44 202° 76°  
NP2:272° 58° -83° T-axis: 3.28 357° 13°  
N-axis: 0.15 88° 6°  
V.R.: 72%  $\epsilon$ :-0.04 N:10 COMP:17

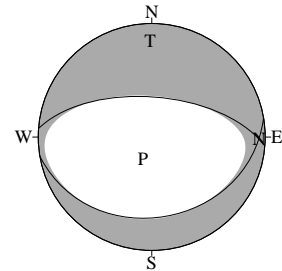
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2020/06/15 03:37:42.4  
 NW OFF ISHIGAKIJIMA IS  
 Hypo.:24°51.0'N 123°19.2'E 26km



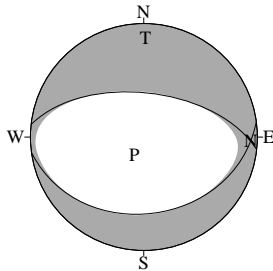
Cent.:24°48.7'N 123°19.2'E 10km  $\Delta t = 0.0$   
 Mo:  $8.44 \times 10^{15}$  N·m Mw:4.6 Mj:4.6 (sec)  
 mrr:-1.66 mtt: 2.96 mff:-1.30  
 mrt: 1.65 mrf:-2.74 mtf: 7.38 ( $\times 10^{15}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 11° 74° -160° P-axis:-8.36 234° 25°  
 NP2:275° 71° -17° T-axis: 8.53 143° 2°  
 N-axis:-0.17 48° 65°  
 V.R.: 76%  $\epsilon$ : 0.02 N:5 COMP:9

2020/06/15 04:26:18.9  
 NW OFF ISHIGAKIJIMA IS  
 Hypo.:24°56.6'N 123°19.1'E 12km



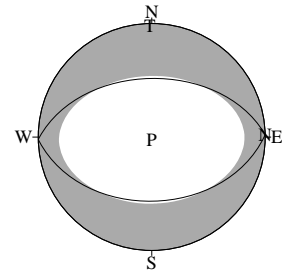
Cent.:24°48.9'N 123°19.0'E 10km  $\Delta t = 2.7$   
 Mo:  $7.59 \times 10^{16}$  N·m Mw:5.2 Mj:5.9 (sec)  
 mrr:-6.57 mtt: 6.27 mff: 0.31  
 mrt: 3.96 mrf:-0.82 mtf: 0.32 ( $\times 10^{16}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 80° 30° -102° P-axis:-7.79 202° 73°  
 NP2:274° 61° -83° T-axis: 7.39 359° 16°  
 N-axis: 0.40 91° 6°  
 V.R.: 80%  $\epsilon$ :-0.05 N:9 COMP:17

2020/06/15 07:26: 9.3  
 NW OFF ISHIGAKIJIMA IS  
 Hypo.:24°57.2'N 123°19.4'E 9km



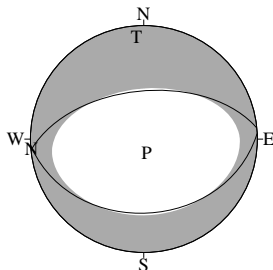
Cent.:24°56.9'N 123°19.2'E 10km  $\Delta t = 0.6$   
 Mo:  $2.26 \times 10^{16}$  N·m Mw:4.8 Mj:5.4 (sec)  
 mrr:-2.07 mtt: 2.00 mff: 0.07  
 mrt: 0.96 mrf:-0.28 mtf: 0.03 ( $\times 10^{16}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 82° 33° -102° P-axis:-2.31 209° 76°  
 NP2:276° 58° -82° T-axis: 2.22 1° 13°  
 N-axis: 0.10 92° 6°  
 V.R.: 74%  $\epsilon$ :-0.04 N:9 COMP:15

2020/06/15 11:32:51.6  
 NW OFF ISHIGAKIJIMA IS  
 Hypo.:24°54.9'N 123°18.0'E 12km



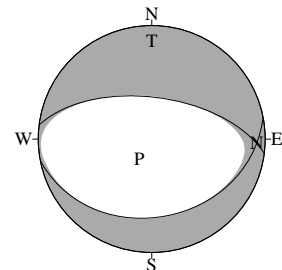
Cent.:24°50.5'N 123°17.7'E 11km  $\Delta t = 0.2$   
 Mo:  $1.21 \times 10^{16}$  N·m Mw:4.7 Mj:5.1 (sec)  
 mrr:-1.29 mtt: 1.13 mff: 0.16  
 mrt: 0.09 mrf: 0.00 mtf: 0.02 ( $\times 10^{16}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 89° 43° -90° P-axis:-1.29 185° 88°  
 NP2:269° 47° -90° T-axis: 1.13 359° 2°  
 N-axis: 0.16 89° 0°  
 V.R.: 65%  $\epsilon$ :-0.13 N:8 COMP:12

2020/06/15 11:49: 3.9  
 NW OFF ISHIGAKIJIMA IS  
 Hypo.:24°57.9'N 123°15.2'E 13km



Cent.:24°58.0'N 123°15.0'E 10km  $\Delta t = 0.6$   
 Mo:  $1.09 \times 10^{16}$  N·m Mw:4.6 Mj:5.1 (sec)  
 mrr:-1.08 mtt: 0.95 mff: 0.13  
 mrt: 0.37 mrf: 0.06 mtf: 0.06 ( $\times 10^{16}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 87° 35° -88° P-axis:-1.15 168° 80°  
 NP2:264° 55° -92° T-axis: 1.03 356° 10°  
 N-axis: 0.12 265° 1°  
 V.R.: 64%  $\epsilon$ :-0.11 N:8 COMP:12

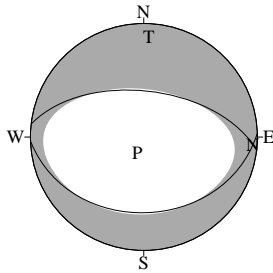
2020/06/15 12:01:20.1  
 NW OFF ISHIGAKIJIMA IS  
 Hypo.:24°58.1'N 123°19.2'E 14km



Cent.:24°52.5'N 123°19.0'E 10km  $\Delta t = 1.9$   
 Mo:  $3.02 \times 10^{16}$  N·m Mw:4.9 Mj:5.5 (sec)  
 mrr:-2.65 mtt: 2.60 mff: 0.05  
 mrt: 1.42 mrf:-0.46 mtf: 0.10 ( $\times 10^{16}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 79° 32° -106° P-axis:-3.08 212° 73°  
 NP2:277° 60° -80° T-axis: 2.96 0° 14°  
 N-axis: 0.12 92° 8°  
 V.R.: 71%  $\epsilon$ :-0.04 N:9 COMP:15

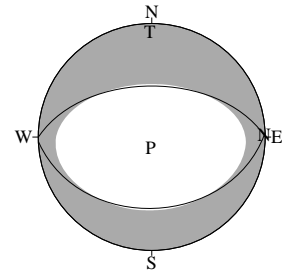
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2020/06/15 13:53:35.2  
 NW OFF ISHIGAKIJIMA IS  
 Hypo.:24°58.1'N 123°16.9'E 20km



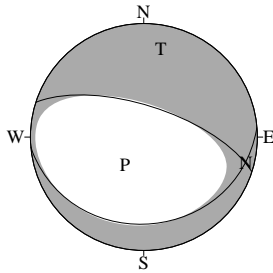
Cent.:24°58.0'N 123°17.0'E 10km  $\Delta t = 0.5$   
 Mo:  $6.65 \times 10^{15} \text{N}\cdot\text{m}$  Mw:4.5 Mj:4.9 (sec)  
 mrr:-6.40 mtt: 5.81 mff: 0.60  
 mrt: 2.57 mrf:-0.65 mtf:-0.19 ( $\times 10^{15} \text{N}\cdot\text{m}$ )  
 STR DIP SLIP MOM AZM PLG  
 NP1: 88° 34° -97° P-axis:-6.97 202° 78°  
 NP2:277° 57° -85° T-axis: 6.34 3° 12°  
 N-axis: 0.63 94° 4°  
 V.R.: 63%  $\epsilon$ :-0.09 N:7 COMP:11

2020/06/15 18:18:1.6  
 NW OFF ISHIGAKIJIMA IS  
 Hypo.:24°55.4'N 123°19.4'E 17km



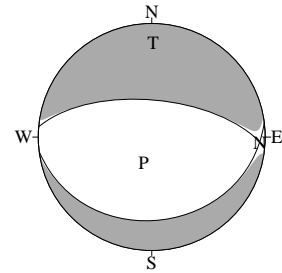
Cent.:24°52.8'N 123°19.3'E 10km  $\Delta t = 0.3$   
 Mo:  $1.17 \times 10^{16} \text{N}\cdot\text{m}$  Mw:4.6 Mj:5.3 (sec)  
 mrr:-1.19 mtt: 1.07 mff: 0.12  
 mrt: 0.32 mrf:-0.02 mtf: 0.02 ( $\times 10^{16} \text{N}\cdot\text{m}$ )  
 STR DIP SLIP MOM AZM PLG  
 NP1: 88° 37° -92° P-axis:-1.23 186° 82°  
 NP2:270° 53° -89° T-axis: 1.11 359° 8°  
 N-axis: 0.12 89° 1°  
 V.R.: 72%  $\epsilon$ :-0.10 N:8 COMP:13

2020/06/15 18:37:43.7  
 NW OFF ISHIGAKIJIMA IS  
 Hypo.:24°54.9'N 123°18.8'E 13km



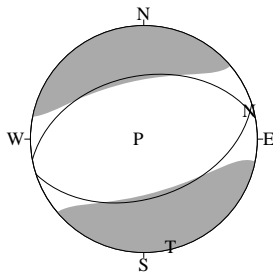
Cent.:24°54.9'N 123°18.9'E 10km  $\Delta t = 0.5$   
 Mo:  $7.29 \times 10^{15} \text{N}\cdot\text{m}$  Mw:4.5 Mj:4.9 (sec)  
 mrr:-5.38 mtt: 4.98 mff: 0.40  
 mrt: 4.67 mrf:-2.10 mtf:-0.40 ( $\times 10^{15} \text{N}\cdot\text{m}$ )  
 STR DIP SLIP MOM AZM PLG  
 NP1: 85° 24° -111° P-axis:-7.59 214° 66°  
 NP2:288° 67° -81° T-axis: 6.98 11° 22°  
 N-axis: 0.61 104° 8°  
 V.R.: 60%  $\epsilon$ :-0.08 N:9 COMP:13

2020/06/15 22:30:57.1  
 NW OFF ISHIGAKIJIMA IS  
 Hypo.:24°55.7'N 123°22.1'E 22km



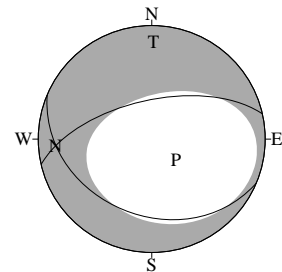
Cent.:24°55.8'N 123°22.1'E 10km  $\Delta t = 0.5$   
 Mo:  $6.69 \times 10^{15} \text{N}\cdot\text{m}$  Mw:4.5 Mj:5.0 (sec)  
 mrr:-5.30 mtt: 5.45 mff:-0.15  
 mrt: 3.92 mrf:-0.65 mtf: 0.10 ( $\times 10^{15} \text{N}\cdot\text{m}$ )  
 STR DIP SLIP MOM AZM PLG  
 NP1: 83° 27° -101° P-axis:-6.64 198° 71°  
 NP2:275° 63° -84° T-axis: 6.73 1° 18°  
 N-axis:-0.09 93° 5°  
 V.R.: 70%  $\epsilon$ : 0.01 N:7 COMP:14

2020/06/15 22:47:13.7  
 NW OFF ISHIGAKIJIMA IS  
 Hypo.:24°55.2'N 123°22.6'E 13km



Cent.:24°48.0'N 123°22.5'E 10km  $\Delta t = 3.1$   
 Mo:  $7.89 \times 10^{16} \text{N}\cdot\text{m}$  Mw:5.2 Mj:5.4 (sec)  
 mrr:-6.82 mtt: 8.23 mff:-1.41  
 mrt:-0.36 mrf:-0.40 mtf: 2.65 ( $\times 10^{16} \text{N}\cdot\text{m}$ )  
 STR DIP SLIP MOM AZM PLG  
 NP1: 72° 47° -95° P-axis:-6.85 280° 86°  
 NP2:259° 44° -85° T-axis: 8.92 166° 2°  
 N-axis:-2.07 75° 4°  
 V.R.: 81%  $\epsilon$ : 0.23 N:8 COMP:16

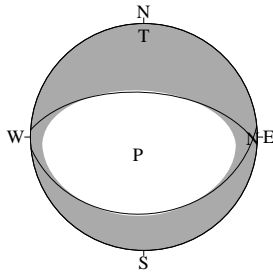
2020/06/16 00:47:14.1  
 NW OFF ISHIGAKIJIMA IS  
 Hypo.:24°59.3'N 123°18.2'E 7km



Cent.:25° 2.9'N 123°17.7'E 10km  $\Delta t = 1.0$   
 Mo:  $2.50 \times 10^{16} \text{N}\cdot\text{m}$  Mw:4.9 Mj:5.5 (sec)  
 mrr:-2.21 mtt: 1.86 mff: 0.35  
 mrt: 1.19 mrf: 0.92 mtf:-0.27 ( $\times 10^{16} \text{N}\cdot\text{m}$ )  
 STR DIP SLIP MOM AZM PLG  
 NP1:113° 33° -59° P-axis:-2.82 131° 67°  
 NP2:257° 62° -109° T-axis: 2.18 1° 15°  
 N-axis: 0.64 266° 16°  
 V.R.: 75%  $\epsilon$ :-0.23 N:6 COMP:14

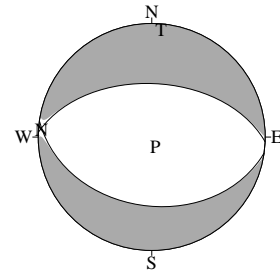
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2020/06/16 02:19:29.0  
 NW OFF ISHIGAKIJIMA IS  
 Hypo.:24°54.2'N 123°19.9'E 20km



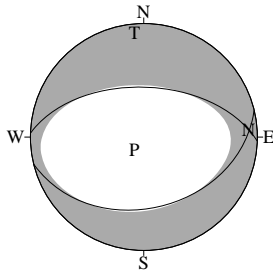
Cent.:24°54.3'N 123°19.9'E 10km  $\Delta t = 0.6$   
 Mo:  $1.11 \times 10^{16}$  N·m Mw:4.6 Mj:5.2 (sec)  
 mrr:-1.05 mtt: 0.96 mff: 0.09  
 mrt: 0.47 mrf:-0.09 mtf: 0.02 ( $\times 10^{16}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 84° 33° -97° P-axis:-1.16 198° 77°  
 NP2:273° 58° -85° T-axis: 1.06 360° 12°  
 N-axis: 0.10 91° 4°  
 V.R.: 70%  $\epsilon$ :-0.09 N:8 COMP:13

2020/06/16 22:34:12.8  
 NW OFF ISHIGAKIJIMA IS  
 Hypo.:24°54.9'N 123°22.4'E 23km



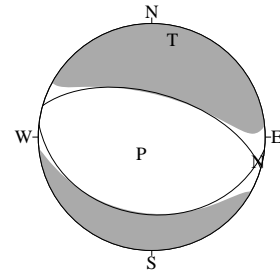
Cent.:24°54.9'N 123°22.2'E 10km  $\Delta t = 0.5$   
 Mo:  $1.00 \times 10^{16}$  N·m Mw:4.6 Mj:4.8 (sec)  
 mrr:-0.97 mtt: 0.97 mff: 0.00  
 mrt: 0.21 mrf: 0.03 mtf:-0.09 ( $\times 10^{16}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 98° 39° -85° P-axis:-1.00 158° 83°  
 NP2:272° 51° -94° T-axis: 1.00 5° 6°  
 N-axis:-0.01 274° 3°  
 V.R.: 71%  $\epsilon$ : 0.01 N:8 COMP:14

2020/06/19 01:43:18.1  
 NW OFF ISHIGAKIJIMA IS  
 Hypo.:25° 0.1'N 123°22.1'E 14km



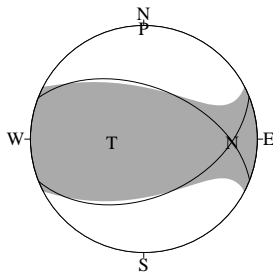
Cent.:24°51.7'N 123°21.9'E 10km  $\Delta t = 1.3$   
 Mo:  $1.10 \times 10^{17}$  N·m Mw:5.3 Mj:5.7 (sec)  
 mrr:-1.11 mtt: 1.01 mff: 0.10  
 mrt: 0.33 mrf:-0.14 mtf: 0.10 ( $\times 10^{17}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 76° 37° -103° P-axis:-1.20 218° 79°  
 NP2:272° 54° -81° T-axis: 1.10 355° 8°  
 N-axis: 0.10 86° 8°  
 V.R.: 77%  $\epsilon$ :-0.10 N:4 COMP:10

2020/06/19 09:26:34.7  
 NW OFF ISHIGAKIJIMA IS  
 Hypo.:24°56.9'N 123°23.9'E 18km



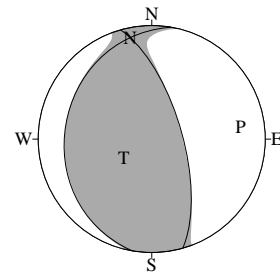
Cent.:24°48.3'N 123°23.7'E 10km  $\Delta t = 3.7$   
 Mo:  $7.34 \times 10^{16}$  N·m Mw:5.2 Mj:5.6 (sec)  
 mrr:-6.23 mtt: 6.59 mff:-0.37  
 mrt: 3.07 mrf:-1.18 mtf:-1.47 ( $\times 10^{16}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 96° 32° -98° P-axis:-7.03 212° 76°  
 NP2:286° 58° -85° T-axis: 7.64 12° 13°  
 N-axis:-0.62 103° 4°  
 V.R.: 78%  $\epsilon$ : 0.08 N:9 COMP:18

2020/06/25 04:47:44.4  
 NEAR CHOSHI CITY  
 Hypo.:35°33.2'N 141° 6.7'E 36km



Cent.:35°29.1'N 141° 6.3'E 32km  $\Delta t = 4.0$   
 Mo:  $1.08 \times 10^{18}$  N·m Mw:6.0 Mj:6.1 (sec)  
 mrr: 0.85 mtt:-1.18 mff: 0.32  
 mrt:-0.09 mrf: 0.28 mtf: 0.00 ( $\times 10^{18}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 68° 47° 57° P-axis:-1.18 0° 3°  
 NP2:291° 52° 120° T-axis: 0.98 264° 67°  
 N-axis: 0.20 92° 23°  
 V.R.: 76%  $\epsilon$ :-0.17 N:35 COMP:76

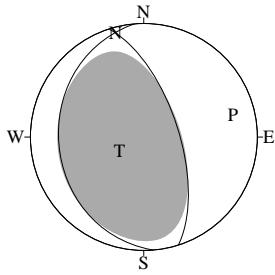
2020/06/29 18:52:51.8  
 FAR SE OFF BOSO PEN  
 Hypo.:33°57.3'N 141°34.4'E 40km



Cent.:34° 5.7'N 141°34.2'E 10km  $\Delta t = 8.5$   
 Mo:  $1.40 \times 10^{17}$  N·m Mw:5.4 Mj:5.7 (sec)  
 mrr: 0.91 mtt: 0.09 mff:-1.00  
 mrt:-0.34 mrf: 0.91 mtf: 0.07 ( $\times 10^{17}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1:344° 68° 80° P-axis:-1.40 82° 22°  
 NP2:189° 24° 113° T-axis: 1.30 237° 66°  
 N-axis: 0.00 348° 9°  
 V.R.: 80%  $\epsilon$ :-0.03 N:38 COMP:95

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2020/06/30 21:56:52.7  
 FAR SE OFF BOSO PEN  
 Hypo.:33°51.0'N 141°54.3'E 33km



Cent.:33°47.7'N 141°55.9'E 14km  $\Delta t = 0.9$   
 $M_0: 2.12 \times 10^{16} \text{N}\cdot\text{m}$   $M_w: 4.8$   $M_j: 5.2$  (sec)  
 $mrr: 1.72$   $mtt: -0.21$   $mff: -1.51$   
 $mrt: -0.52$   $mrf: 1.25$   $mtf: 0.25$  ( $\times 10^{16} \text{N}\cdot\text{m}$ )  
 STR DIP SLIP MOM AZM PLG  
 NP1:342° 65° 84° P-axis:-2.03 76° 20°  
 NP2:175° 26° 102° T-axis: 2.22 241° 70°  
 N-axis:-0.19 345° 5°  
 V.R.: 77%  $\epsilon: 0.09$  N:26 COMP:42

EQUAL AREA PROJECTON, LOWER HEMISPHERE.