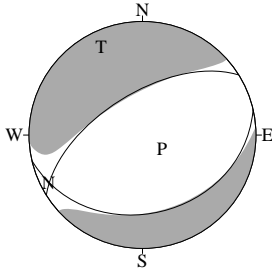


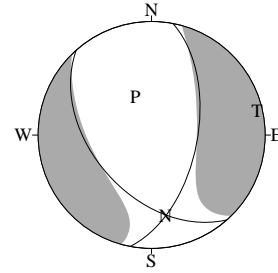
CMT SOLUTIONS FOR EARTHQUAKES IN JUNE, 2022

2022/06/03 16:03:34.4  
NW OFF OKINAWAJIMA IS  
Hypo.:26°50.1'N 126°21.6'E 16km



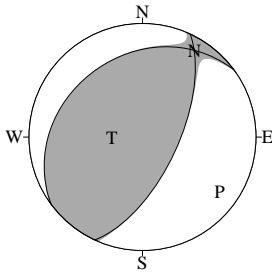
Cent.:26°39.7'N 126°22.7'E 10km  $\Delta t = 8.1$   
Mo:  $3.60 \times 10^{17}$  N·m Mw:5.6 Mj:5.9 (sec)  
mrr:-2.95 mtt:2.77 mff:0.18  
mrt:1.41 mrf:1.16 mtf:1.35 ( $\times 10^{17}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1:77° 31° -73° P-axis:-3.50 124° 73°  
NP2:238° 60° -100° T-axis:3.80 335° 15°  
N-axis:-0.30 243° 8°  
V.R.:75%  $\epsilon$ :0.08 N:20 COMP:39

2022/06/07 10:57:56.2  
NW OFF ISHIGAKIJIMA IS  
Hypo.:25°38.1'N 123°25.7'E 204km



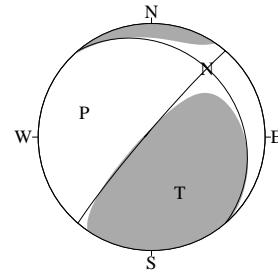
Cent.:25°42.3'N 123°26.0'E 222km  $\Delta t = -1.1$   
Mo:  $6.10 \times 10^{16}$  N·m Mw:5.1 Mj:5.2 (sec)  
mrr:-4.38 mtt:-1.66 mff:6.04  
mrt:-1.53 mrf:-1.45 mtf:-2.15 ( $\times 10^{16}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1:11° 57° -55° P-axis:-5.51 337° 60°  
NP2:138° 47° -132° T-axis:6.69 77° 5°  
N-axis:-1.19 170° 29°  
V.R.:92%  $\epsilon$ :0.18 N:11 COMP:17

2022/06/10 11:14:5.4  
S OFF URAKAWA  
Hypo.:41°49.9'N 142°12.1'E 67km



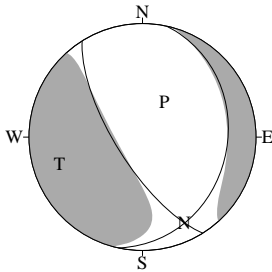
Cent.:41°49.0'N 142°12.5'E 68km  $\Delta t = 1.0$   
Mo:  $2.52 \times 10^{16}$  N·m Mw:4.9 Mj:4.9 (sec)  
mrr:1.89 mtt:-0.71 mff:-1.17  
mrt:0.43 mrf:1.49 mtf:-1.09 ( $\times 10^{16}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1:25° 64° 77° P-axis:-2.54 125° 18°  
NP2:234° 29° 116° T-axis:2.50 269° 68°  
N-axis:0.04 31° 12°  
V.R.:69%  $\epsilon$ :-0.02 N:29 COMP:39

2022/06/12 21:45:51.7  
E OFF FUKUSHIMA PREF  
Hypo.:37°38.2'N 141°35.3'E 54km



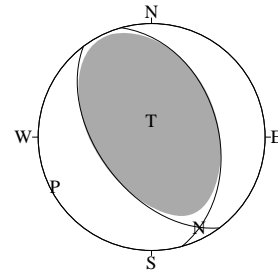
Cent.:37°41.1'N 141°35.4'E 57km  $\Delta t = 1.6$   
Mo:  $3.38 \times 10^{16}$  N·m Mw:5.0 Mj:5.1 (sec)  
mrr:0.50 mtt:1.04 mff:-1.55  
mrt:-2.22 mrf:-2.16 mtf:0.23 ( $\times 10^{16}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1:221° 86° 113° P-axis:-3.20 290° 37°  
NP2:319° 23° 9° T-axis:3.56 153° 44°  
N-axis:-0.36 39° 23°  
V.R.:77%  $\epsilon$ :0.10 N:41 COMP:86

2022/06/17 00:51:25.7  
TOKUSHIMA PREF  
Hypo.:33°54.7'N 134°35.3'E 45km



Cent.:33°55.3'N 134°35.2'E 44km  $\Delta t = 2.9$   
Mo:  $3.47 \times 10^{16}$  N·m Mw:5.0 Mj:4.9 (sec)  
mrr:-1.86 mtt:-0.64 mff:2.50  
mrt:-1.48 mrf:2.10 mtf:-0.77 ( $\times 10^{16}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1:12° 26° -49° P-axis:-3.21 32° 60°  
NP2:148° 71° -108° T-axis:3.73 252° 24°  
N-axis:-0.52 154° 17°  
V.R.:90%  $\epsilon$ :0.14 N:42 COMP:91

2022/06/17 23:35:38.4  
E OFF FUKUSHIMA PREF  
Hypo.:37°35.0'N 141°34.2'E 58km

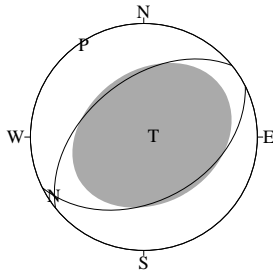


Cent.:37°35.0'N 141°34.7'E 58km  $\Delta t = 0.6$   
Mo:  $1.01 \times 10^{16}$  N·m Mw:4.6 Mj:4.7 (sec)  
mrr:0.98 mtt:-0.20 mff:-0.78  
mrt:0.26 mrf:-0.07 mtf:0.37 ( $\times 10^{16}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1:345° 41° 107° P-axis:-0.97 243° 5°  
NP2:143° 51° 76° T-axis:1.04 359° 78°  
N-axis:-0.07 152° 11°  
V.R.:80%  $\epsilon$ :0.06 N:44 COMP:69

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

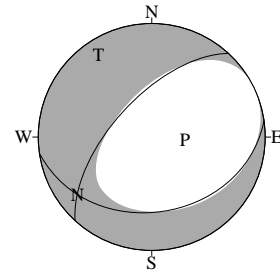
Hypo.:Location of hypocenter, Cent.:Location of centroid,  $\Delta t$ :Centroid time minus origin time  
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude  
mrr,mtt,mff,mrt,mrf,mtf: Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane  
MOM,AZM,PLG: Moment tensor component, 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

2022/06/19 15:08: 7.5  
 NOTO PENINSULA REGION  
 Hypo.: 37°30.9'N 137°16.5'E 13km



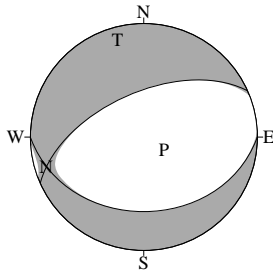
Cent.: 37°32.5'N 137°16.5'E 11km  $\Delta t = 4.0$   
 Mo:  $6.55 \times 10^{16}$  N·m Mw: 5.1 Mj: 5.4 (sec)  
 mrr: 7.29 mtt: -4.50 mff: -2.79  
 mrt: -0.01 mrf: -1.20 mtf: -1.81 ( $\times 10^{16}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 64° 42° 99° P-axis: -5.68 327° 3°  
 NP2: 231° 48° 82° T-axis: 7.43 82° 83°  
 N-axis: -1.76 237° 6°  
 V.R.: 90%  $\epsilon$ : 0.24 N: 39 COMP: 87

2022/06/19 18:55:18.9  
 NW OFF OKINAWAJIMA IS  
 Hypo.: 26°48.5'N 126°21.2'E 19km



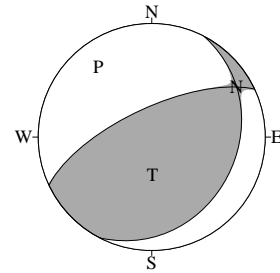
Cent.: 26°35.3'N 126°22.3'E 10km  $\Delta t = 6.5$   
 Mo:  $2.40 \times 10^{17}$  N·m Mw: 5.5 Mj: 5.8 (sec)  
 mrr: -1.93 mtt: 1.57 mff: 0.36  
 mrt: 0.48 mrf: 1.30 mtf: 0.77 ( $\times 10^{17}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 82° 34° -56° P-axis: -2.50 94° 66°  
 NP2: 222° 62° -111° T-axis: 2.20 327° 15°  
 N-axis: 0.30 232° 18°  
 V.R.: 77%  $\epsilon$ : -0.12 N: 13 COMP: 28

2022/06/19 19:07:37.0  
 NW OFF OKINAWAJIMA IS  
 Hypo.: 26°49.2'N 126°21.1'E 25km



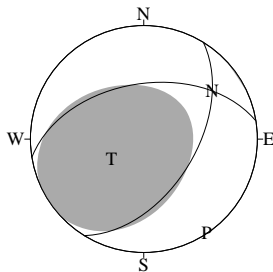
Cent.: 26°41.3'N 126°21.9'E 10km  $\Delta t = 6.6$   
 Mo:  $5.81 \times 10^{16}$  N·m Mw: 5.1 Mj: 5.2 (sec)  
 mrr: -5.14 mtt: 5.05 mff: 0.09  
 mrt: 1.94 mrf: 1.69 mtf: 1.10 ( $\times 10^{16}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 90° 35° -70° P-axis: -5.86 121° 73°  
 NP2: 246° 58° -103° T-axis: 5.76 345° 12°  
 N-axis: 0.10 253° 11°  
 V.R.: 74%  $\epsilon$ : -0.02 N: 18 COMP: 37

2022/06/20 10:05: 6.6  
 TAIWAN REGION  
 Hypo.: 23°38.1'N 121°35.0'E 0km



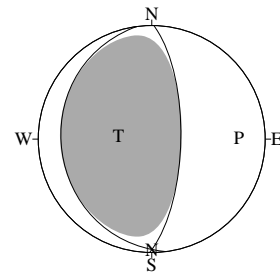
Cent.: 23°55.7'N 121°33.9'E 14km  $\Delta t = 2.6$   
 Mo:  $1.30 \times 10^{18}$  N·m Mw: 6.0 Mj: 6.4 (sec)  
 mrr: 0.83 mtt: -0.44 mff: -0.39  
 mrt: -0.90 mrf: -0.29 mtf: -0.53 ( $\times 10^{18}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 27° 26° 55° P-axis: -1.30 323° 23°  
 NP2: 245° 69° 105° T-axis: 1.29 179° 63°  
 N-axis: 0.01 59° 14°  
 V.R.: 62%  $\epsilon$ : -0.01 N: 10 COMP: 15

2022/06/20 10:31:34.4  
 NOTO PENINSULA REGION  
 Hypo.: 37°31.3'N 137°19.3'E 14km



Cent.: 37°42.3'N 137°19.5'E 12km  $\Delta t = 1.6$   
 Mo:  $3.18 \times 10^{16}$  N·m Mw: 4.9 Mj: 5.0 (sec)  
 mrr: 2.68 mtt: -1.90 mff: -0.78  
 mrt: -0.90 mrf: 1.57 mtf: -1.30 ( $\times 10^{16}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 32° 52° 55° P-axis: -2.76 146° 1°  
 NP2: 261° 50° 127° T-axis: 3.60 239° 63°  
 N-axis: -0.85 55° 27°  
 V.R.: 84%  $\epsilon$ : 0.24 N: 18 COMP: 29

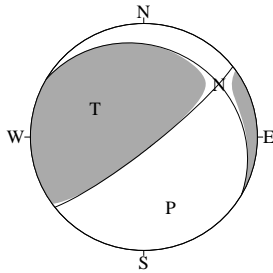
2022/06/21 16:14:54.1  
 NEAR CHICHIJIMA ISLAND  
 Hypo.: 27°56.9'N 142°44.3'E 48km



Cent.: 28° 1.0'N 142°54.2'E 11km  $\Delta t = 0.8$   
 Mo:  $1.06 \times 10^{18}$  N·m Mw: 5.9 Mj: 6.1 (sec)  
 mrr: 0.73 mtt: -0.06 mff: -0.68  
 mrt: 0.04 mrf: 0.79 mtf: 0.04 ( $\times 10^{18}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 1° 69° 93° P-axis: -1.03 89° 24°  
 NP2: 173° 21° 82° T-axis: 1.09 276° 66°  
 N-axis: -0.06 180° 3°  
 V.R.: 66%  $\epsilon$ : 0.06 N: 25 COMP: 51

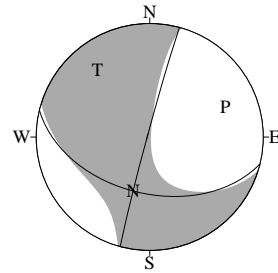
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2022/06/24 07:32:21.0  
 NW OFF ISHIGAKIJIMA IS  
 Hypo.:24° 3.4'N 122°28.7'E 27km



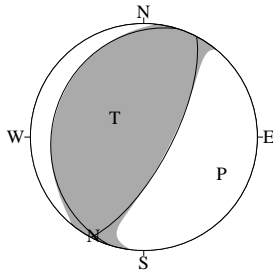
Cent.:24°13.3'N 122°28.6'E 20km  $\Delta t = 3.3$   
 Mo:  $9.39 \times 10^{16}$  N·m Mw:5.2 Mj:5.6 (sec)  
 mrr: 2.59 mtt:-4.63 mff: 2.05  
 mrt: 6.27 mrf: 5.72 mtf:-0.28 ( $\times 10^{16}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 52° 82° 70° P-axis:-9.25 159° 34°  
 NP2:300° 22° 157° T-axis: 9.54 300° 49°  
 N-axis:-0.29 55° 20°  
 V.R.: 81%  $\epsilon$ : 0.03 N:7 COMP:16

2022/06/26 21:44:48.4  
 SOUTHERN KUMAMOTO PREF  
 Hypo.:32°32.4'N 130°41.1'E 9km



Cent.:32°32.4'N 130°40.8'E 10km  $\Delta t = 0.5$   
 Mo:  $0.93 \times 10^{16}$  N·m Mw:4.6 Mj:4.7 (sec)  
 mrr: 0.02 mtt: 0.37 mff:-0.39  
 mrt: 0.02 mrf: 0.63 mtf: 0.58 ( $\times 10^{16}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1:195° 88°-139° P-axis:-1.01 68° 29°  
 NP2:104° 49° -2° T-axis: 0.84 322° 26°  
 N-axis: 0.16 197° 49°  
 V.R.: 81%  $\epsilon$ :-0.16 N:29 COMP:51

2022/06/28 05:03: 3.3  
 E OFF MIYAGI PREF  
 Hypo.:38°28.0'N 142° 7.6'E 42km



Cent.:38°29.0'N 142° 7.9'E 42km  $\Delta t = 0.7$   
 Mo:  $2.78 \times 10^{16}$  N·m Mw:4.9 Mj:4.9 (sec)  
 mrr: 1.70 mtt:-0.14 mff:-1.56  
 mrt: 1.04 mrf: 1.87 mtf:-0.73 ( $\times 10^{16}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 28° 70° 94° P-axis:-2.86 115° 25°  
 NP2:197° 20° 80° T-axis: 2.71 304° 65°  
 N-axis: 0.15 207° 3°  
 V.R.: 79%  $\epsilon$ :-0.05 N:41 COMP:68

EQUAL AREA PROJECTON, LOWER HEMISPHERE.