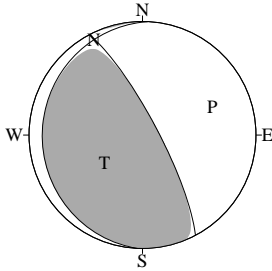


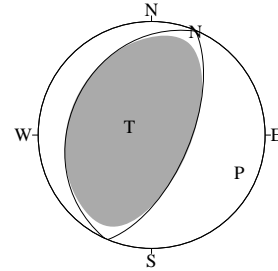
CMT SOLUTIONS FOR EARTHQUAKES IN APRIL, 2022

2022/04/01 10:32:38.0  
NEAR TORISHIMA IS  
Hypo.:30°37.2'N 141°57.5'E 40km



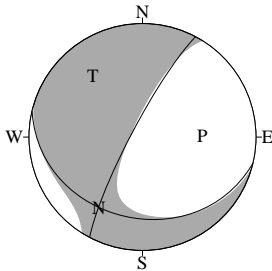
Cent.:30°37.0'N 142° 2.1'E 10km  $\Delta t = 0.8$   
Mo:  $2.84 \times 10^{16}$  N·m Mw:4.9 Mj:5.0 (sec)  
mrr: 1.08 mtt:-0.01 mff:-1.07  
mrt:-1.28 mrf: 2.28 mtf: 0.23 ( $\times 10^{16}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1:332° 79° 83° P-axis:-2.81 68° 34°  
NP2:183° 13° 120° T-axis: 2.87 234° 56°  
N-axis:-0.05 333° 6°  
V.R.: 77%  $\epsilon$ : 0.02 N:12 COMP:15

2022/04/04 19:29: 3.9  
E OFF FUKUSHIMA PREF  
Hypo.:37°20.6'N 141°34.5'E 44km



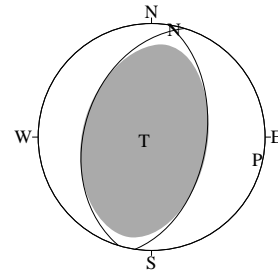
Cent.:37°21.7'N 141°34.5'E 53km  $\Delta t = 5.8$   
Mo:  $1.80 \times 10^{17}$  N·m Mw:5.4 Mj:5.4 (sec)  
mrr: 1.55 mtt:-0.31 mff:-1.24  
mrt: 0.39 mrf: 0.96 mtf:-0.50 ( $\times 10^{17}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 23° 62° 89° P-axis:-1.80 113° 17°  
NP2:204° 28° 91° T-axis: 1.90 291° 73°  
N-axis:-0.10 23° 1°  
V.R.: 79%  $\epsilon$ : 0.05 N:35 COMP:90

2022/04/04 22:29:54.0  
CENTRAL CHIBA PREF  
Hypo.:35°44.9'N 139°58.3'E 62km



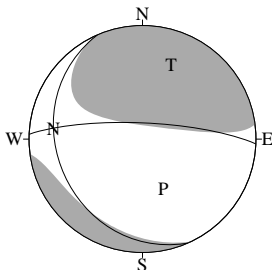
Cent.:35°48.1'N 139°58.7'E 61km  $\Delta t = 0.6$   
Mo:  $1.22 \times 10^{16}$  N·m Mw:4.7 Mj:4.6 (sec)  
mrr:-0.32 mtt: 0.58 mff:-0.26  
mrt: 0.35 mrf: 1.00 mtf: 0.38 ( $\times 10^{16}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1:103° 29° -17° P-axis:-1.28 89° 46°  
NP2:208° 82° -118° T-axis: 1.16 321° 31°  
N-axis: 0.12 212° 28°  
V.R.: 76%  $\epsilon$ :-0.10 N:37 COMP:69

2022/04/06 00:03:53.9  
E OFF FUKUSHIMA PREF  
Hypo.:37°48.0'N 141°34.9'E 53km



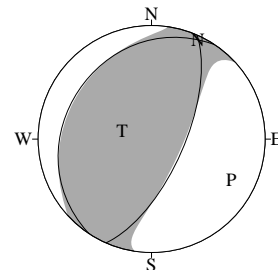
Cent.:37°42.7'N 141°35.3'E 57km  $\Delta t = 1.2$   
Mo:  $3.41 \times 10^{16}$  N·m Mw:5.0 Mj:5.2 (sec)  
mrr: 3.47 mtt:-0.37 mff:-3.10  
mrt:-0.15 mrf: 0.61 mtf:-0.65 ( $\times 10^{16}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 8° 50° 85° P-axis:-3.29 102° 5°  
NP2:197° 40° 96° T-axis: 3.53 241° 84°  
N-axis:-0.24 12° 4°  
V.R.: 75%  $\epsilon$ : 0.07 N:15 COMP:34

2022/04/10 17:30:23.8  
E OFF FUKUSHIMA PREF  
Hypo.:37°18.2'N 141°49.0'E 39km



Cent.:37°18.6'N 141°49.9'E 39km  $\Delta t = 0.5$   
Mo:  $8.38 \times 10^{15}$  N·m Mw:4.5 Mj:4.8 (sec)  
mrr:-2.56 mtt: 3.55 mff:-0.99  
mrt: 7.04 mrf:-0.51 mtf:-3.51 ( $\times 10^{15}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1:157° 25° -28° P-axis:-7.56 157° 51°  
NP2:272° 78° -112° T-axis: 9.20 21° 30°  
N-axis:-1.64 277° 22°  
V.R.: 79%  $\epsilon$ : 0.18 N:22 COMP:33

2022/04/10 18:43:16.4  
FAR E OFF IBARAKI PREF  
Hypo.:36°15.3'N 141°26.4'E 30km

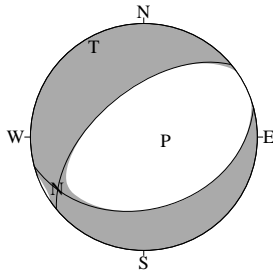


Cent.:36°12.3'N 141°26.7'E 34km  $\Delta t = 3.8$   
Mo:  $4.29 \times 10^{16}$  N·m Mw:5.0 Mj:5.0 (sec)  
mrr: 2.92 mtt:-0.41 mff:-2.51  
mrt: 1.11 mrf: 2.72 mtf:-1.56 ( $\times 10^{16}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 24° 67° 86° P-axis:-4.49 117° 22°  
NP2:213° 24° 99° T-axis: 4.09 286° 68°  
N-axis: 0.41 25° 4°  
V.R.: 84%  $\epsilon$ :-0.09 N:13 COMP:29

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

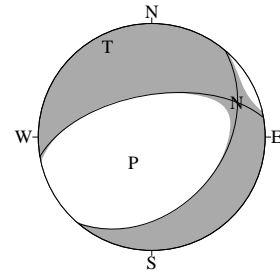
Hypo.:Location of hypocenter, Cent.:Location of centroid,  $\Delta t$ :Centroid time minus origin time  
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude  
mrr,mtt,mff,mrt,mrf,mtf: Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane  
MOM,AZM,PLG: Moment tensor component,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

2022/04/13 10:22:32.8  
 NW OFF OKINAWAJIMA IS  
 Hypo.:26°51.5'N 126°26.5'E 16km



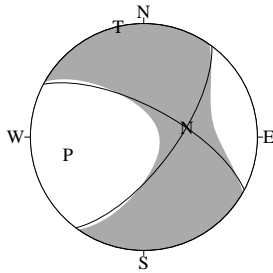
Cent.:26°29.7'N 126°26.4'E 10km  $\Delta t = 4.9$   
 Mo:  $3.00 \times 10^{17}$  N·m Mw:5.6 Mj:5.6 (sec)  
 mrr:-2.68 mtt: 2.16 mff: 0.52  
 mrt: 0.56 mrf: 1.03 mtf: 1.13 ( $\times 10^{17}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 75° 36° -70° P-axis: -3.00 100° 74°  
 NP2: 230° 56° -104° T-axis: 2.90 331° 10°  
 N-axis: 0.10 239° 12°  
 V.R.: 78%  $\epsilon$ : -0.03 N:18 COMP:42

2022/04/14 09:14:59.2  
 NW OFF OKINAWAJIMA IS  
 Hypo.:26°53.4'N 126°30.5'E 0km



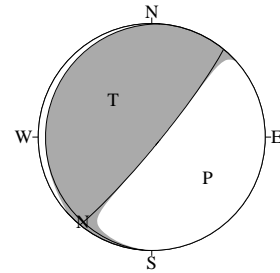
Cent.:26°35.3'N 126°29.5'E 10km  $\Delta t = 2.2$   
 Mo:  $4.15 \times 10^{16}$  N·m Mw:5.0 Mj:5.0 (sec)  
 mrr:-3.39 mtt: 2.73 mff: 0.67  
 mrt: 2.00 mrf: -0.56 mtf: 1.80 ( $\times 10^{16}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 40° 37° -124° P-axis: -4.23 215° 67°  
 NP2: 260° 60° -67° T-axis: 4.07 334° 12°  
 N-axis: 0.16 68° 20°  
 V.R.: 82%  $\epsilon$ : -0.04 N:8 COMP:11

2022/04/19 08:16: 0.3  
 NORTHERN IBARAKI PREF  
 Hypo.:36°52.6'N 140°20.8'E 93km



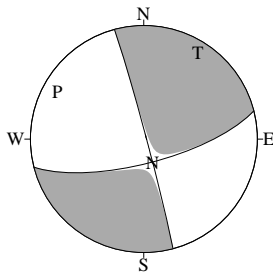
Cent.:36°53.4'N 140°20.6'E 91km  $\Delta t = 3.7$   
 Mo:  $1.30 \times 10^{17}$  N·m Mw:5.3 Mj:5.4 (sec)  
 mrr:-0.24 mtt: 1.08 mff: -0.85  
 mrt: 0.16 mrf: -0.69 mtf: 0.46 ( $\times 10^{17}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 37° 68° -157° P-axis: -1.40 257° 32°  
 NP2: 298° 69° -24° T-axis: 1.20 347° 0°  
 N-axis: 0.20 78° 58°  
 V.R.: 89%  $\epsilon$ : -0.14 N:19 COMP:46

2022/04/24 17:16:13.2  
 SE OFF ERIMOMISAKI  
 Hypo.:41°45.1'N 143°47.8'E 25km



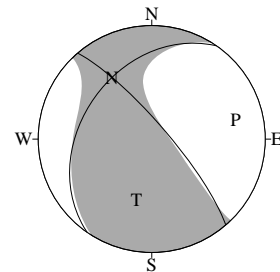
Cent.:41°50.5'N 143°47.7'E 20km  $\Delta t = 4.8$   
 Mo:  $2.60 \times 10^{17}$  N·m Mw:5.5 Mj:5.4 (sec)  
 mrr: 0.48 mtt: 0.00 mff: -0.48  
 mrt: 1.60 mrf: 1.94 mtf: -0.27 ( $\times 10^{17}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 39° 84° 94° P-axis: -2.60 126° 39°  
 NP2: 184° 7° 55° T-axis: 2.50 314° 51°  
 N-axis: 0.10 219° 4°  
 V.R.: 80%  $\epsilon$ : -0.03 N:26 COMP:35

2022/04/24 19:23:49.3  
 NEAR ISHIGAKIJIMA ISLAND  
 Hypo.:23°27.7'N 123°11.0'E 51km



Cent.:23°31.5'N 123°11.2'E 15km  $\Delta t = 2.9$   
 Mo:  $1.10 \times 10^{17}$  N·m Mw:5.3 Mj:5.5 (sec)  
 mrr:-0.04 mtt: 0.54 mff: -0.50  
 mrt: 0.06 mrf: -0.33 mtf: -0.93 ( $\times 10^{17}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 76° 72° -178° P-axis: -1.10 299° 14°  
 NP2: 345° 88° -18° T-axis: 1.10 32° 11°  
 N-axis: 0.00 159° 72°  
 V.R.: 83%  $\epsilon$ : 0.01 N:9 COMP:22

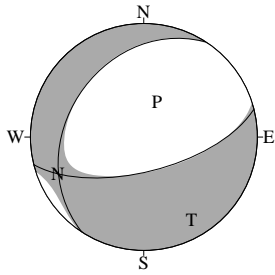
2022/04/28 10:23:43.0  
 KAMIKAWA-SORACHI REGION  
 Hypo.:43° 1.6'N 142°22.1'E 147km



Cent.:43° 1.5'N 142°21.7'E 147km  $\Delta t = 0.6$   
 Mo:  $1.19 \times 10^{16}$  N·m Mw:4.6 Mj:4.8 (sec)  
 mrr: 0.36 mtt: 0.57 mff: -0.93  
 mrt: -0.57 mrf: 0.66 mtf: 0.16 ( $\times 10^{16}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 215° 38° 162° P-axis: -1.28 77° 25°  
 NP2: 319° 79° 54° T-axis: 1.09 194° 44°  
 N-axis: 0.19 327° 36°  
 V.R.: 84%  $\epsilon$ : -0.15 N:20 COMP:22

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2022/04/28 19:03:20.8  
 E OFF AOMORI PREF  
 Hypo.: 41°11.7'N 142°19.8'E 53km



Cent.: 41°11.7'N 142°20.1'E 53km  $\Delta t = 0.5$   
 $M_0: 8.51 \times 10^{15} \text{N}\cdot\text{m}$   $M_w: 4.6$   $M_j: 4.7$  (sec)  
 $mrr: -6.18$   $mtt: 4.25$   $mff: 1.94$   
 $mrt: -5.34$   $mrf: 0.20$   $mtf: 3.72$  ( $\times 10^{15} \text{N}\cdot\text{m}$ )  
 STR DIP SLIP MOM AZM PLG  
 NP1: 76° 65° -69° P-axis: -8.70 21° 63°  
 NP2: 213° 32° -128° T-axis: 8.31 150° 17°  
 N-axis: 0.39 247° 19°  
 V.R.: 79%  $\epsilon: -0.05$  N:31 COMP:48

EQUAL AREA PROJECTON, LOWER HEMISPHERE.