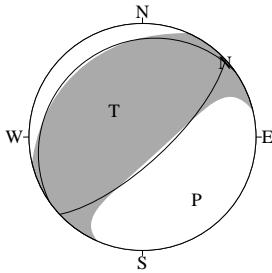


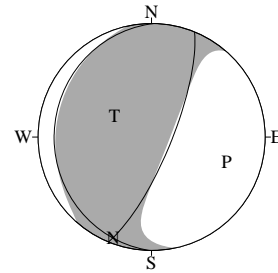
CMT SOLUTIONS FOR EARTHQUAKES IN AUGUST, 2021

2021/08/02 12:28:54.7
SE OFF ETOROFU
Hypo.:43°50.5'N 148°25.8'E 0km



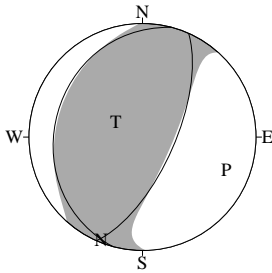
Cent.:43°54.5'N 148°25.3'E 29km $\Delta t=10.1$
Mo: 1.60×10^{17} N·m Mw:5.4 Mj:5.5 (sec)
mrr: 0.77 mtt:-0.50 mff:-0.27
mrt: 0.95 mrf: 0.89 mtf:-0.64 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 47° 73° 88° P-axis:-1.70 139° 28°
NP2:235° 17° 98° T-axis: 1.50 313° 62°
N-axis: 0.30 48° 2°
V.R.: 70% ϵ :-0.15 N:21 COMP:54

2021/08/03 00:35:31.4
FAR E OFF IBARAKI PREF
Hypo.:36°12.3'N 141°52.0'E 5km



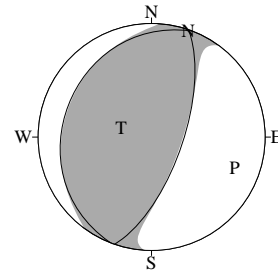
Cent.:36°12.3'N 141°52.6'E 10km $\Delta t= 0.5$
Mo: 1.21×10^{16} N·m Mw:4.7 Mj:4.7 (sec)
mrr: 0.50 mtt: 0.12 mff:-0.62
mrt: 0.41 mrf: 0.98 mtf:-0.20 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 23° 76° 96° P-axis:-1.29 108° 31°
NP2:181° 15° 69° T-axis: 1.13 300° 59°
N-axis: 0.16 201° 6°
V.R.: 79% ϵ :-0.12 N:15 COMP:21

2021/08/03 19:29:19.0
FAR E OFF IBARAKI PREF
Hypo.:36°12.0'N 141°48.3'E 17km



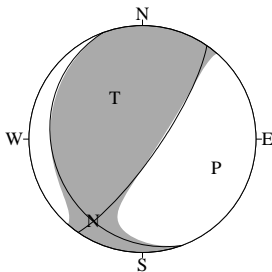
Cent.:36° 9.1'N 141°48.4'E 30km $\Delta t= 5.8$
Mo: 3.98×10^{16} N·m Mw:5.0 Mj:5.1 (sec)
mrr: 2.61 mtt: 0.07 mff:-2.68
mrt: 1.17 mrf: 2.50 mtf:-1.16 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 24° 67° 93° P-axis:-4.21 111° 22°
NP2:195° 23° 82° T-axis: 3.74 300° 68°
N-axis: 0.48 202° 3°
V.R.: 81% ϵ :-0.11 N:15 COMP:34

2021/08/04 05:33:36.8
FAR E OFF IBARAKI PREF
Hypo.:36°12.3'N 141°48.3'E 18km



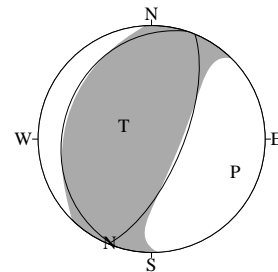
Cent.:36°15.9'N 141°48.1'E 24km $\Delta t= 7.2$
Mo: 6.60×10^{17} N·m Mw:5.8 Mj:6.0 (sec)
mrr: 4.46 mtt:-0.20 mff:-4.26
mrt: 1.51 mrf: 4.45 mtf:-1.70 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 19° 68° 89° P-axis:-6.80 110° 23°
NP2:201° 22° 92° T-axis: 6.40 288° 67°
N-axis: 0.40 19° 1°
V.R.: 72% ϵ :-0.06 N:27 COMP:57

2021/08/04 05:43:13.2
FAR E OFF IBARAKI PREF
Hypo.:36°11.6'N 141°54.5'E 6km



Cent.:36° 6.8'N 141°54.1'E 18km $\Delta t= 5.2$
Mo: 6.70×10^{16} N·m Mw:5.2 Mj:5.4 (sec)
mrr: 2.48 mtt: 1.22 mff:-3.70
mrt: 3.45 mrf: 4.66 mtf:-0.91 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 35° 78° 107° P-axis:-6.98 111° 31°
NP2:160° 21° 37° T-axis: 6.42 326° 54°
N-axis: 0.56 211° 17°
V.R.: 59% ϵ :-0.08 N:19 COMP:47

2021/08/04 11:56:26.9
FAR E OFF IBARAKI PREF
Hypo.:36°15.5'N 141°50.4'E 18km

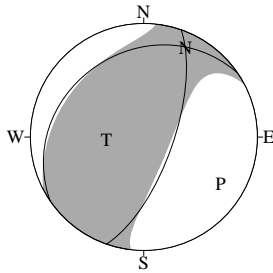


Cent.:36°14.2'N 141°50.7'E 22km $\Delta t= 2.5$
Mo: 2.00×10^{16} N·m Mw:4.8 Mj:5.1 (sec)
mrr: 1.26 mtt: 0.08 mff:-1.34
mrt: 0.55 mrf: 1.30 mtf:-0.62 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 22° 67° 92° P-axis:-2.15 111° 22°
NP2:198° 23° 86° T-axis: 1.84 296° 68°
N-axis: 0.31 202° 2°
V.R.: 86% ϵ :-0.14 N:20 COMP:36

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

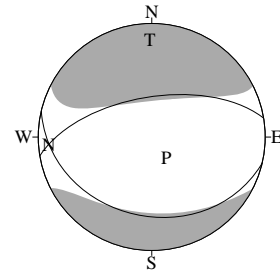
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf:Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG:Moment tensor component, azimuth and plunge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

2021/08/04 13:40:26.6
 FAR E OFF IBARAKI PREF
 Hypo.:36° 9.8'N 141°44.8'E 21km



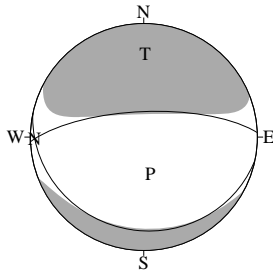
Cent.:36° 9.1'N 141°44.7'E 28km $\Delta t = 5.3$
 Mo: 1.70×10^{17} N·m Mw:5.4 Mj:5.7 (sec)
 mrr: 0.99 mtt:-0.17 mff:-0.82
 mrt: 0.35 mrf: 1.16 mtf:-0.83 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 19° 69° 75° P-axis:-1.90 121° 22°
 NP2:235° 26° 123° T-axis: 1.60 266° 63°
 N-axis: 0.30 25° 14°
 V.R.: 84% ϵ :-0.17 N:15 COMP:40

2021/08/05 06:50:46.2
 TAIWAN REGION
 Hypo.:24°44.0'N 122°20.8'E 55km



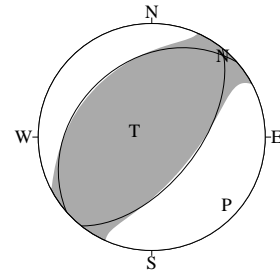
Cent.:24°40.5'N 122°20.7'E 10km $\Delta t = 5.9$
 Mo: 7.50×10^{17} N·m Mw:5.9 Mj:6.3 (sec)
 mrr:-5.46 mtt: 7.36 mff:-1.91
 mrt: 3.80 mrf: 0.92 mtf:-0.04 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:103° 31° -70° P-axis:-6.70 144° 72°
 NP2:260° 61°-101° T-axis: 8.40 359° 15°
 N-axis:-1.70 266° 10°
 V.R.: 70% ϵ : 0.21 N:12 COMP:28

2021/08/06 17:11: 4.7
 TAIWAN REGION
 Hypo.:24°43.5'N 122°14.4'E 50km



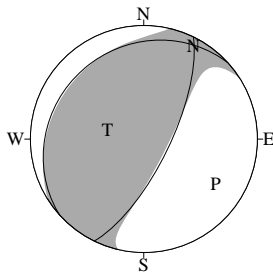
Cent.:24°49.5'N 122°14.5'E 10km $\Delta t = 2.4$
 Mo: 1.60×10^{17} N·m Mw:5.4 Mj:5.6 (sec)
 mrr:-0.86 mtt: 1.08 mff:-0.22
 mrt: 1.30 mrf: 0.07 mtf:-0.08 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:102° 19° -76° P-axis:-1.50 170° 63°
 NP2:267° 72° -95° T-axis: 1.70 1° 27°
 N-axis:-0.20 269° 4°
 V.R.: 76% ϵ : 0.13 N:11 COMP:26

2021/08/06 20:12:29.8
 TAIWAN REGION
 Hypo.:23° 9.7'N 121°24.5'E 8km



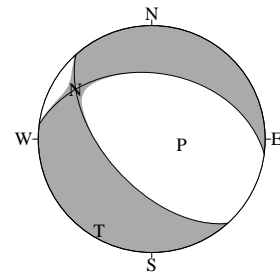
Cent.:23°18.0'N 121°23.7'E 17km $\Delta t = 5.8$
 Mo: 1.30×10^{17} N·m Mw:5.3 Mj:5.2 (sec)
 mrr: 1.13 mtt:-0.52 mff:-0.61
 mrt: 0.30 mrf: 0.46 mtf:-0.72 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 38° 57° 84° P-axis:-1.40 132° 12°
 NP2:229° 33° 99° T-axis: 1.30 290° 77°
 N-axis: 0.10 41° 5°
 V.R.: 67% ϵ :-0.10 N:9 COMP:19

2021/08/22 06:55:41.1
 FAR E OFF KANTO
 Hypo.:36° 2.8'N 142°27.9'E 14km



Cent.:36°12.4'N 142°27.4'E 10km $\Delta t = 8.4$
 Mo: 8.10×10^{16} N·m Mw:5.2 Mj:5.3 (sec)
 mrr: 4.48 mtt:-1.19 mff:-3.29
 mrt: 2.64 mrf: 5.85 mtf:-2.97 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 26° 71° 83° P-axis:-8.49 122° 26°
 NP2:228° 20° 110° T-axis: 7.72 285° 63°
 N-axis: 0.76 28° 7°
 V.R.: 84% ϵ :-0.09 N:39 COMP:97

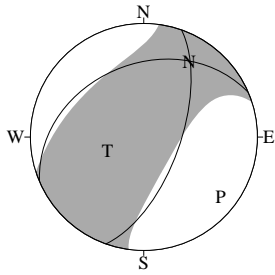
2021/08/25 19:18:15.2
 NEAR TORISHIMA IS
 Hypo.:29°43.6'N 141°37.7'E 52km



Cent.:29°36.2'N 141°38.4'E 50km $\Delta t = 4.0$
 Mo: 6.83×10^{16} N·m Mw:5.2 Mj:5.4 (sec)
 mrr:-5.73 mtt: 4.96 mff: 0.77
 mrt:-0.34 mrf: 2.89 mtf:-3.02 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:138° 56° -65° P-axis:-6.88 100° 68°
 NP2:277° 41°-123° T-axis: 6.77 210° 8°
 N-axis: 0.11 303° 21°
 V.R.: 85% ϵ :-0.02 N:22 COMP:50

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2021/08/27 05:49: 5.8
 E OFF IBARAKI PREF
 Hypo.:36°25.1'N 141° 5.7'E 40km



Cent.:36°21.4'N 141° 6.4'E 46km $\Delta t = 3.2$
 Mo: $4.82 \times 10^{16} \text{N}\cdot\text{m}$ Mw:5.1 Mj:5.1 (sec)
 mrr: 3.02 mtt:-0.88 mff:-2.14
 mrt: 0.74 mrf: 2.36 mtf:-3.44 ($\times 10^{16} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 20° 64° 65° P-axis:-5.62 128° 15°
 NP2:247° 36° 131° T-axis: 4.03 249° 62°
 N-axis: 1.59 31° 23°
 V.R.: 88% ϵ :-0.28 N:13 COMP:25

EQUAL AREA PROJECTON, LOWER HEMISPHERE.