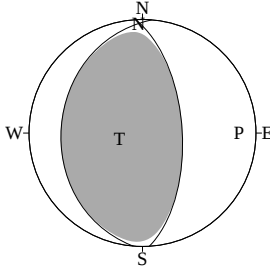


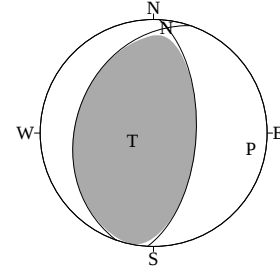
CMT SOLUTIONS FOR EARTHQUAKES IN FEBRUARY, 2020

2020/02/01 01:11:21.5
NEAR CHOSHI CITY
Hypo.:35°40.4'N 140°42.7'E 50km



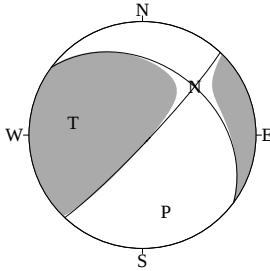
Cent.:35°43.9'N 140°42.3'E 49km $\Delta t = 7.3$
Mo: 1.00×10^{17} N·m Mw:5.3 Mj:5.0 (sec)
mrr: 0.89 mtt:-0.02 mff:-0.87
mrt:-0.07 mrf: 0.56 mtf:-0.01 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:356° 61° 86° P-axis:-1.00 90° 16°
NP2:185° 29° 98° T-axis: 1.10 256° 73°
N-axis: 0.00 358° 4°
V.R.: 78% ϵ : 0.02 N:40 COMP:90

2020/02/01 02:07:47.5
SOUTHERN IBARAKI PREF
Hypo.:35°58.1'N 140° 3.8'E 63km



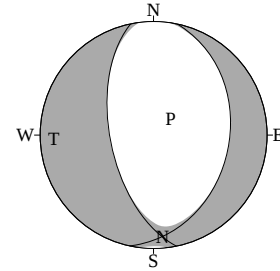
Cent.:35°58.2'N 140° 3.9'E 69km $\Delta t = 5.2$
Mo: 1.70×10^{17} N·m Mw:5.4 Mj:5.3 (sec)
mrr: 1.49 mtt:-0.06 mff:-1.43
mrt:-0.09 mrf: 0.80 mtf:-0.28 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 3° 59° 82° P-axis:-1.70 99° 14°
NP2:199° 32° 104° T-axis: 1.70 250° 74°
N-axis: 0.00 7° 7°
V.R.: 78% ϵ : 0.02 N:40 COMP:95

2020/02/02 15:28: 8.7
EASTERN YAMANASHI PREF
Hypo.:35°31.0'N 138°53.3'E 181km



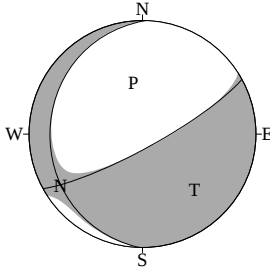
Cent.:35°29.4'N 138°53.1'E 186km $\Delta t = 1.0$
Mo: 8.56×10^{15} N·m Mw:4.6 Mj:4.5 (sec)
mrr: 1.18 mtt:-5.73 mff: 4.54
mrt: 4.01 mrf: 5.43 mtf:-0.70 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 43° 85° 52° P-axis:-8.33 163° 30°
NP2:307° 38° 172° T-axis: 8.79 280° 38°
N-axis:-0.46 47° 37°
V.R.: 85% ϵ : 0.05 N:19 COMP:34

2020/02/06 20:19:56.6
FAR E OFF IBARAKI PREF
Hypo.:36°20.6'N 141°43.5'E 54km



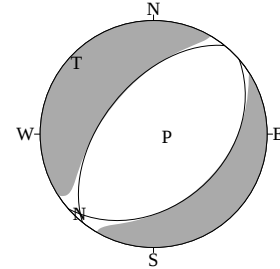
Cent.:36°23.2'N 141°42.7'E 13km $\Delta t = 5.7$
Mo: 1.30×10^{17} N·m Mw:5.3 Mj:5.7 (sec)
mrr:-1.12 mtt:-0.02 mff: 1.14
mrt:-0.27 mrf: 0.53 mtf: 0.01 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 12° 34° -70° P-axis:-1.30 46° 73°
NP2:169° 59° -103° T-axis: 1.30 268° 13°
N-axis: 0.00 175° 11°
V.R.: 73% ϵ :-0.02 N:25 COMP:54

2020/02/10 19:11: 7.0
FAR E OFF CENTRAL HONSHU
Hypo.:36°30.0'N 143°53.5'E 57km



Cent.:36°30.0'N 143°53.8'E 10km $\Delta t = 0.5$
Mo: 0.99×10^{16} N·m Mw:4.6 Mj:5.0 (sec)
mrr:-0.34 mtt: 0.01 mff: 0.33
mrt:-0.81 mrf:-0.37 mtf: 0.26 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 61° 80° -74° P-axis:-1.01 350° 52°
NP2:181° 19° -148° T-axis: 0.97 137° 33°
N-axis: 0.05 238° 16°
V.R.: 81% ϵ :-0.04 N:23 COMP:38

2020/02/12 19:37:18.8
E OFF FUKUSHIMA PREF
Hypo.:37°18.6'N 141°21.5'E 87km

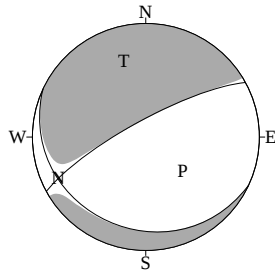


Cent.:37°16.3'N 141°21.8'E 75km $\Delta t = 3.8$
Mo: 1.10×10^{17} N·m Mw:5.3 Mj:5.4 (sec)
mrr:-1.04 mtt: 0.50 mff: 0.55
mrt: 0.15 mrf: 0.29 mtf: 0.59 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 49° 37° -82° P-axis:-1.10 102° 80°
NP2:219° 53° -96° T-axis: 1.20 313° 8°
N-axis:-0.10 223° 5°
V.R.: 81% ϵ : 0.05 N:41 COMP:91

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

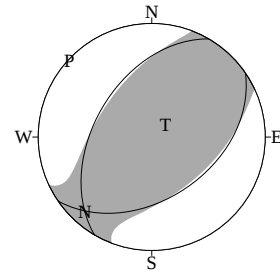
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf:Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG:Moment tensor component, azimuth and plunge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

2020/02/13 19:33:45.1
SE OFF ETOROFU
Hypo.:45° 3.3'N 149° 9.7'E 155km



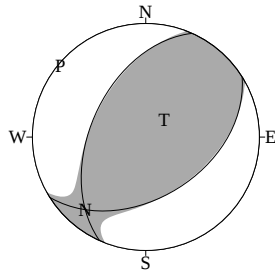
Cent.:45°11.7'N 149° 9.7'E 154km $\Delta t = 3.7$
Mo: 3.05×10^{19} N·m Mw:6.9 Mj:7.2 (sec)
mrr:-1.15 mtt: 1.62 mff:-0.47
mrt: 2.29 mrf: 1.41 mtf: 0.11 ($\times 10^{19}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:115° 20° -38° P-axis:-3.01 132° 54°
NP2:241° 78° -106° T-axis: 3.10 344° 31°
N-axis:-0.09 245° 16°
V.R.: 81% ϵ : 0.03 N:21 COMP:52

2020/02/15 20:00: 6.0
TAIWAN REGION
Hypo.:23°49.5'N 121°33.0'E 9km



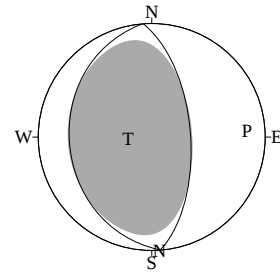
Cent.:23°49.8'N 121°32.8'E 19km $\Delta t = 2.3$
Mo: 1.10×10^{17} N·m Mw:5.3 Mj:5.5 (sec)
mrr: 0.96 mtt:-0.43 mff:-0.53
mrt: 0.10 mrf:-0.17 mtf:-0.67 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 56° 45° 108° P-axis:-1.20 313° 1°
NP2:211° 48° 73° T-axis: 1.00 49° 77°
N-axis: 0.10 222° 13°
V.R.: 64% ϵ :-0.13 N:11 COMP:21

2020/02/15 20:05: 0.1
TAIWAN REGION
Hypo.:23°49.9'N 121°33.6'E 7km



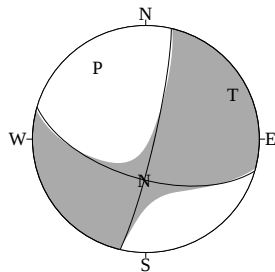
Cent.:23°50.0'N 121°33.4'E 13km $\Delta t = 1.2$
Mo: 2.45×10^{16} N·m Mw:4.9 Mj:4.7 (sec)
mrr: 2.17 mtt:-0.89 mff:-1.29
mrt: 0.39 mrf:-0.56 mtf:-1.41 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 58° 46° 115° P-axis:-2.51 310° 2°
NP2:204° 50° 66° T-axis: 2.39 47° 72°
N-axis: 0.12 220° 18°
V.R.: 77% ϵ :-0.05 N:6 COMP:9

2020/02/17 21:54:54.8
NEAR CHICHIJIMA ISLAND
Hypo.:28°40.0'N 142°26.1'E 41km



Cent.:28°37.9'N 142°37.9'E 12km $\Delta t = 0.7$
Mo: 1.10×10^{17} N·m Mw:5.3 Mj:5.1 (sec)
mrr: 0.92 mtt:-0.09 mff:-0.83
mrt:-0.04 mrf: 0.59 mtf: 0.06 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:356° 62° 90° P-axis:-1.00 86° 17°
NP2:175° 28° 90° T-axis: 1.10 266° 73°
N-axis:-0.10 176° 0°
V.R.: 60% ϵ : 0.08 N:16 COMP:28

2020/02/21 02:35:34.3
NEAR TORISHIMA IS
Hypo.:29°50.5'N 140°54.3'E 162km



Cent.:29°44.8'N 140°51.5'E 163km $\Delta t = 1.1$
Mo: 2.51×10^{16} N·m Mw:4.9 Mj:4.9 (sec)
mrr:-0.11 mtt:-0.98 mff: 1.09
mrt:-0.65 mrf:-1.10 mtf:-1.91 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 13° 84° -29° P-axis:-2.63 326° 25°
NP2:106° 61° -173° T-axis: 2.39 63° 15°
N-axis: 0.24 182° 60°
V.R.: 76% ϵ :-0.09 N:26 COMP:47

EQUAL AREA PROJECTON, LOWER HEMISPHERE.