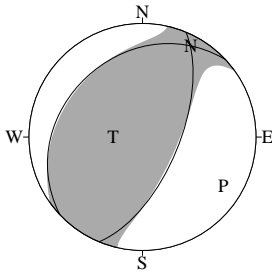


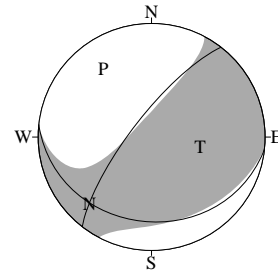
CMT SOLUTIONS FOR EARTHQUAKES IN AUGUST, 2020

2020/08/06 02:54: 2.9
 FAR E OFF IBARAKI PREF
 Hypo.:36°13.4'N 141°36.2'E 54km



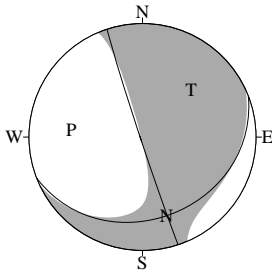
Cent.:36°11.8'N 141°36.3'E 37km $\Delta t = 6.5$
 Mo: 1.50×10^{17} N·m Mw:5.4 Mj:5.6 (sec)
 mrr: 1.08 mtt:-0.26 mff:-0.82
 mrt: 0.25 mrf: 0.84 mtf:-0.67 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 23° 64° 79° P-axis:-1.50 121° 18°
 NP2:227° 28° 112° T-axis: 1.40 270° 69°
 N-axis: 0.10 28° 10°
 V.R.: 86% ϵ :-0.09 N:15 COMP:38

2020/08/06 12:06:33.9
 MID NIIGATA PREF
 Hypo.:37°20.6'N 138°49.1'E 186km



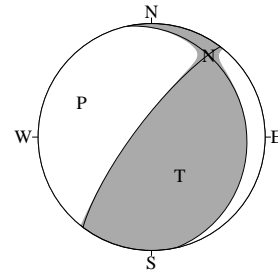
Cent.:37°25.8'N 138°48.9'E 171km $\Delta t = 3.2$
 Mo: 6.17×10^{16} N·m Mw:5.1 Mj:5.1 (sec)
 mrr: 2.37 mtt:-2.98 mff: 0.60
 mrt:-3.06 mrf:-3.90 mtf:-2.68 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 96° 26° 146° P-axis:-6.78 325° 27°
 NP2:218° 76° 68° T-axis: 5.57 101° 54°
 N-axis: 1.21 223° 21°
 V.R.: 80% ϵ :-0.18 N:41 COMP:95

2020/08/07 00:34:42.7
 SE OFF KII PENINSULA
 Hypo.:33°45.5'N 136°50.5'E 389km



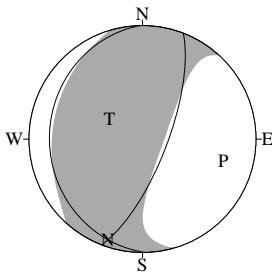
Cent.:33°45.9'N 136°50.6'E 385km $\Delta t = 1.4$
 Mo: 7.85×10^{16} N·m Mw:5.2 Mj:5.3 (sec)
 mrr: 0.23 mtt: 2.71 mff:-2.94
 mrt: 1.69 mrf:-6.70 mtf:-2.54 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 69° 28° 177° P-axis:-8.33 276° 37°
 NP2:162° 88° 62° T-axis: 7.36 46° 40°
 N-axis: 0.97 163° 28°
 V.R.: 85% ϵ :-0.12 N:44 COMP:97

2020/08/13 07:32:38.0
 PHILIPPINE ISL REGION
 Hypo.:20° 3.9'N 121°16.6'E 6km



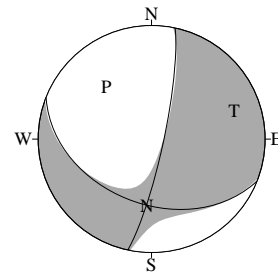
Cent.:19°42.3'N 121°12.6'E 10km $\Delta t = 2.7$
 Mo: 1.60×10^{17} N·m Mw:5.4 Mj:5.3 (sec)
 mrr: 0.59 mtt: 0.13 mff:-0.72
 mrt:-0.90 mrf:-1.08 mtf:-0.21 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:347° 18° 42° P-axis:-1.60 296° 32°
 NP2:217° 78° 103° T-axis: 1.60 144° 55°
 N-axis: 0.00 35° 13°
 V.R.: 70% ϵ :-0.02 N:11 COMP:17

2020/08/22 19:31:21.4
 NEAR TORISHIMA IS
 Hypo.:30°56.0'N 141°58.2'E 41km



Cent.:30°56.3'N 141°59.1'E 17km $\Delta t = 5.0$
 Mo: 8.12×10^{16} N·m Mw:5.2 Mj:4.8 (sec)
 mrr: 3.83 mtt: 1.48 mff:-5.31
 mrt: 2.36 mrf: 6.12 mtf:-1.63 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 21° 72° 97° P-axis:-8.99 105° 27°
 NP2:179° 19° 69° T-axis: 7.25 302° 62°
 N-axis: 1.74 199° 7°
 V.R.: 89% ϵ :-0.19 N:28 COMP:68

2020/08/27 07:15: 9.3
 NW OFF ISHIGAKIJIMA IS
 Hypo.:24°57.3'N 123°10.7'E 136km

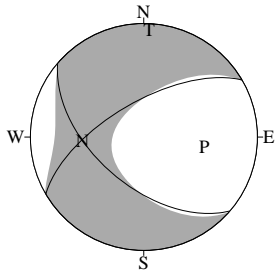


Cent.:24°58.4'N 123°10.6'E 140km $\Delta t = 1.1$
 Mo: 1.37×10^{16} N·m Mw:4.7 Mj:4.7 (sec)
 mrr:-0.29 mtt:-0.32 mff: 0.61
 mrt:-0.42 mrf:-0.92 mtf:-0.77 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 12° 81° -48° P-axis:-1.43 319° 39°
 NP2:112° 43° -167° T-axis: 1.32 71° 24°
 N-axis: 0.11 184° 41°
 V.R.: 83% ϵ :-0.07 N:7 COMP:12

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

2020/08/30 14:37:42.2
 SW IBARAKI PREF
 Hypo.: 36°11.7'N 139°48.4'E 57km



Cent.: 36°11.7'N 139°48.6'E 57km $\Delta t = 0.4$
 $M_0: 4.33 \times 10^{15} \text{N}\cdot\text{m}$ $M_w: 4.4$ $M_j: 4.4$ (sec)
 $mrr: -1.91$ $mtt: 3.82$ $mff: -1.91$
 $mrt: 0.76$ $mrf: 2.70$ $mtf: -0.61$ ($\times 10^{15} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 131° 55° -31° P-axis: -4.72 99° 45°
 NP2: 240° 65° -141° T-axis: 3.93 3° 6°
 N-axis: 0.79 267° 45°
 V.R.: 76% $\epsilon: -0.17$ N:15 COMP:27

EQUAL AREA PROJECTON, LOWER HEMISPHERE.