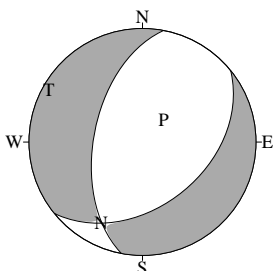


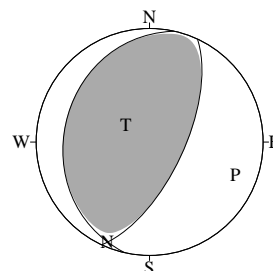
CMT SOLUTIONS FOR EARTHQUAKES IN SEPTEMBER, 2019

2019/09/07 09:09:28.9
 FAR E OFF CENTRAL HONSHU
 Hypo.:36° 0.5'N 143°49.4'E 67km



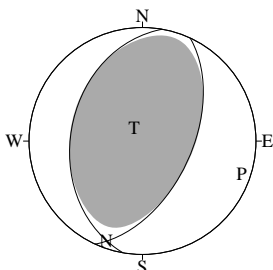
Cent.:35°59.3'N 143°51.2'E 10km $\Delta t = 0.6$
 Mo: 1.02×10^{16} N·m Mw:4.6 Mj:4.7 (sec)
 mrr:-0.86 mtt: 0.16 mff: 0.70
 mrt:-0.20 mrf: 0.34 mtf: 0.50 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 51° 43° -59° P-axis:-1.01 44° 68°
 NP2:191° 54° -116° T-axis: 1.02 299° 6°
 N-axis:-0.01 207° 21°
 V.R.: 82% ϵ : 0.01 N:39 COMP:85

2019/09/07 18:35:50.8
 E OFF AOMORI PREF
 Hypo.:41°34.3'N 142° 4.2'E 64km



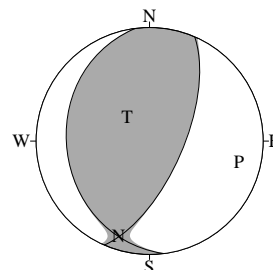
Cent.:41°35.4'N 142° 4.5'E 56km $\Delta t = 3.0$
 Mo: 8.64×10^{16} N·m Mw:5.2 Mj:5.0 (sec)
 mrr: 6.62 mtt:-0.74 mff:-5.88
 mrt: 2.70 mrf: 4.92 mtf:-1.94 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 25° 65° 95° P-axis:-8.56 111° 20°
 NP2:192° 25° 78° T-axis: 8.73 306° 69°
 N-axis:-0.17 203° 5°
 V.R.: 81% ϵ : 0.02 N:36 COMP:81

2019/09/14 11:54:38.3
 CENTRAL CHIBA PREF
 Hypo.:35°38.8'N 140° 9.9'E 62km



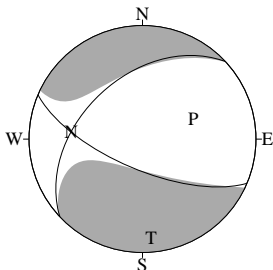
Cent.:35°38.8'N 140°10.8'E 62km $\Delta t = 0.4$
 Mo: 3.10×10^{15} N·m Mw:4.3 Mj:4.1 (sec)
 mrr: 2.98 mtt:-0.35 mff:-2.64
 mrt: 0.69 mrf: 0.76 mtf:-0.78 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 25° 54° 99° P-axis:-3.02 108° 9°
 NP2:190° 37° 78° T-axis: 3.19 328° 79°
 N-axis:-0.16 200° 7°
 V.R.: 57% ϵ : 0.05 N:27 COMP:37

2019/09/16 01:27: 9.5
 E OFF AOMORI PREF
 Hypo.:41°12.0'N 142° 2.8'E 58km



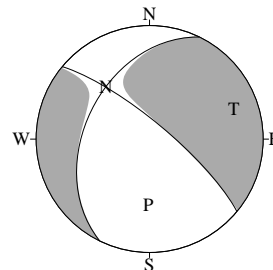
Cent.:41°11.9'N 142° 3.2'E 58km $\Delta t = 0.7$
 Mo: 1.70×10^{16} N·m Mw:4.8 Mj:4.5 (sec)
 mrr: 1.22 mtt: 0.09 mff:-1.31
 mrt: 0.58 mrf: 0.94 mtf:-0.21 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 24° 66° 104° P-axis:-1.71 103° 20°
 NP2:172° 28° 62° T-axis: 1.69 318° 66°
 N-axis: 0.02 198° 13°
 V.R.: 75% ϵ :-0.01 N:38 COMP:63

2019/09/16 21:43:56.5
 E OFF IWATE PREF
 Hypo.:39°25.7'N 142°40.2'E 32km



Cent.:39°25.7'N 142°40.5'E 32km $\Delta t = 0.4$
 Mo: 5.22×10^{15} N·m Mw:4.4 Mj:4.5 (sec)
 mrr:-2.78 mtt: 4.95 mff:-2.17
 mrt:-2.23 mrf: 1.73 mtf: 1.11 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:113° 68° -50° P-axis:-4.84 68° 50°
 NP2:227° 45° -148° T-axis: 5.60 175° 14°
 N-axis:-0.76 276° 37°
 V.R.: 65% ϵ : 0.14 N:20 COMP:35

2019/09/25 18:29:34.1
 FAR SE OFF BOSO PEN
 Hypo.:34°31.8'N 141°54.4'E 42km

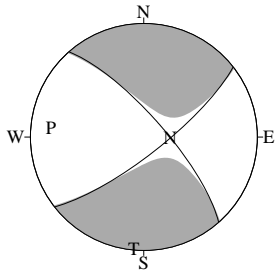


Cent.:34°31.8'N 141°55.3'E 10km $\Delta t = 0.4$
 Mo: 5.40×10^{15} N·m Mw:4.4 Mj:4.7 (sec)
 mrr:-1.71 mtt:-2.40 mff: 4.11
 mrt: 3.20 mrf:-1.92 mtf:-1.57 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:206° 42° -18° P-axis:-5.27 181° 42°
 NP2:310° 78° -131° T-axis: 5.52 70° 22°
 N-axis:-0.25 320° 40°
 V.R.: 73% ϵ : 0.04 N:41 COMP:69

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

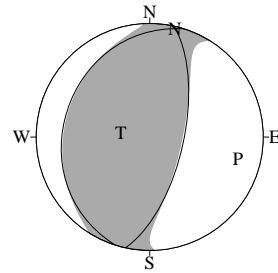
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
 Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
 mrr,mtt,mff,mrt,mrf,mtf: Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
 MOM,AZM,PLG: Moment tensor component, azimuth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

2019/09/28 02:33:12.7
 W OFF AMAKUSA ISLAND
 Hypo.:32°21.8'N 129°49.4'E 14km



Cent.:32°21.7'N 129°49.2'E 14km $\Delta t = 0.3$
 Mo: $1.77 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.1 Mj:4.0 (sec)
 mrr:-0.29 mtt: 1.80 mff:-1.51
 mrt:-0.09 mrf:-0.49 mtf:-0.31 ($\times 10^{15} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 52° 78° -165° P-axis:-1.71 276° 19°
 NP2:319° 76° -13° T-axis: 1.83 185° 1°
 N-axis:-0.12 91° 71°
 V.R.: 64% ϵ : 0.06 N:13 COMP:19

2019/09/30 01:02:31.4
 NORTHERN IBARAKI PREF
 Hypo.:36°27.4'N 140°36.5'E 56km



Cent.:36°27.4'N 140°37.3'E 56km $\Delta t = 0.4$
 Mo: $4.23 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.4 Mj:4.3 (sec)
 mrr: 3.01 mtt: 0.10 mff:-3.11
 mrt: 0.55 mrf: 2.73 mtf:-0.91 ($\times 10^{15} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 12° 66° 88° P-axis:-4.40 104° 21°
 NP2:198° 24° 95° T-axis: 4.06 278° 69°
 N-axis: 0.33 13° 2°
 V.R.: 73% ϵ :-0.08 N:12 COMP:23

EQUAL AREA PROJECTON, LOWER HEMISPHERE.