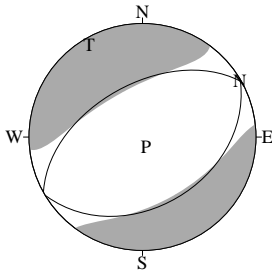


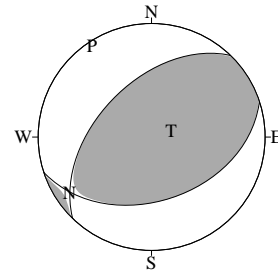
CMT SOLUTIONS FOR EARTHQUAKES IN OCTOBER, 2021

2021/10/06 02:30:27.4
 NW OFF MIYAKOJIMA ISLAND
 Hypo.:25°43.4'N 124°59.4'E 24km



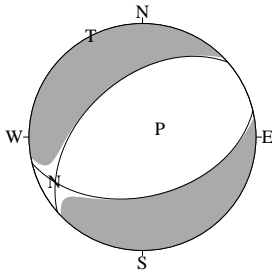
Cent.:25°22.9'N 125° 0.7'E 10km $\Delta t = 2.5$
 Mo: 1.20×10^{17} N·m Mw:5.3 Mj:5.5 (sec)
 mrr:-1.07 mtt: 0.93 mff: 0.14
 mrt: 0.25 mrf: 0.13 mtf: 0.68 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 59° 38° -91° P-axis: -1.10 158° 83°
 NP2: 241° 52° -89° T-axis: 1.40 330° 7°
 N-axis: -0.20 60° 1°
 V.R.: 63% ϵ : 0.18 N:14 COMP:30

2021/10/06 02:46: 2.3
 NE OFF IWATE PREF
 Hypo.:40° 0.4'N 142°15.2'E 56km



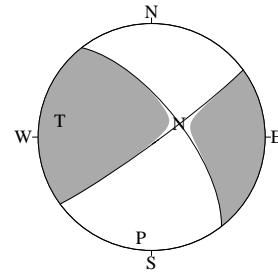
Cent.:39°59.2'N 142°16.0'E 45km $\Delta t = 4.7$
 Mo: 5.20×10^{17} N·m Mw:5.7 Mj:5.9 (sec)
 mrr: 4.85 mtt:-3.60 mff:-1.25
 mrt: 0.11 mrf:-1.43 mtf:-2.42 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 72° 43° 111° P-axis: -5.20 327° 4°
 NP2: 224° 51° 71° T-axis: 5.20 72° 75°
 N-axis: -0.10 236° 14°
 V.R.: 73% ϵ : 0.01 N:29 COMP:69

2021/10/06 03:03:43.3
 NW OFF MIYAKOJIMA ISLAND
 Hypo.:25°42.1'N 124°58.7'E 29km



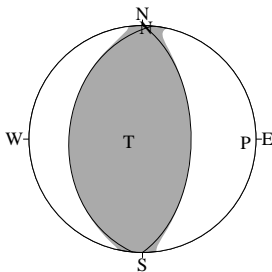
Cent.:25°18.3'N 125° 0.5'E 11km $\Delta t = 4.5$
 Mo: 6.96×10^{16} N·m Mw:5.2 Mj:5.4 (sec)
 mrr:-6.43 mtt: 5.46 mff: 0.97
 mrt:-0.68 mrf: 1.44 mtf: 3.16 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 77° 47° -70° P-axis: -6.84 64° 76°
 NP2: 229° 47° -110° T-axis: 7.09 333° 0°
 N-axis: -0.25 243° 14°
 V.R.: 71% ϵ : 0.04 N:14 COMP:23

2021/10/06 17:12:55.3
 SE OFF OSUMI PEN
 Hypo.:31°14.7'N 131°28.8'E 43km



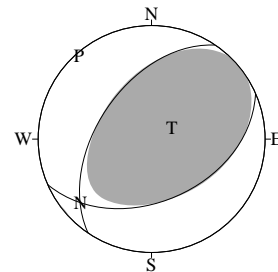
Cent.:31°15.6'N 131°28.7'E 35km $\Delta t = 3.3$
 Mo: 2.10×10^{17} N·m Mw:5.5 Mj:5.4 (sec)
 mrr: 0.09 mtt:-1.88 mff: 1.79
 mrt: 0.52 mrf: 0.59 mtf: 0.52 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 54° 86° 22° P-axis: -2.00 186° 12°
 NP2: 322° 68° 175° T-axis: 2.10 280° 19°
 N-axis: 0.00 65° 68°
 V.R.: 82% ϵ : 0.02 N:12 COMP:32

2021/10/07 22:41:23.0
 CENTRAL CHIBA PREF
 Hypo.:35°35.4'N 140° 6.2'E 75km



Cent.:35°33.0'N 140° 5.5'E 59km $\Delta t = 8.5$
 Mo: 1.14×10^{18} N·m Mw:6.0 Mj:5.9 (sec)
 mrr: 1.06 mtt: 0.03 mff:-1.09
 mrt:-0.03 mrf: 0.38 mtf:-0.05 ($\times 10^{18}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 360° 55° 87° P-axis: -1.16 92° 10°
 NP2: 185° 35° 94° T-axis: 1.13 258° 80°
 N-axis: 0.03 2° 2°
 V.R.: 87% ϵ : -0.03 N:27 COMP:53

2021/10/09 14:31:58.7
 E OFF IWATE PREF
 Hypo.:39°59.2'N 142°14.7'E 54km

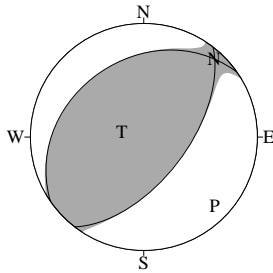


Cent.:39°55.5'N 142°14.7'E 55km $\Delta t = 0.4$
 Mo: 8.27×10^{15} N·m Mw:4.5 Mj:4.7 (sec)
 mrr: 7.76 mtt:-4.64 mff:-3.13
 mrt: 0.99 mrf:-2.53 mtf:-3.93 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 66° 44° 115° P-axis: -7.93 319° 3°
 NP2: 214° 51° 68° T-axis: 8.60 60° 73°
 N-axis: -0.66 228° 17°
 V.R.: 80% ϵ : 0.08 N:7 COMP:12

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

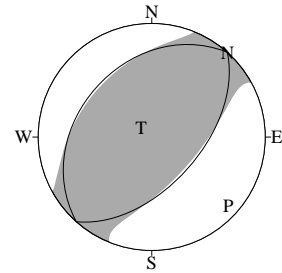
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
 Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
 mrr,mtt,mff,mrt,mrf,mtf: Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
 MOM,AZM,PLG: Moment tensor component, azimuth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

2021/10/10 23:16:15.9
 HIDAKA MOUNTAINS REGION
 Hypo.:42°21.3'N 143° 6.6'E 51km



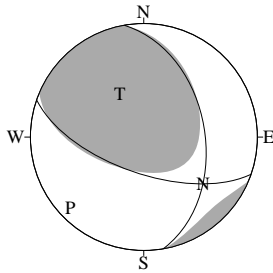
Cent.:42°18.9'N 143° 6.6'E 50km $\Delta t = 0.7$
 Mo: 2.04×10^{16} N·m Mw:4.8 Mj:4.7 (sec)
 mrr: 1.74 mtt:-0.91 mff:-0.83
 mrt: 0.47 mrf: 0.86 mtf:-0.97 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 37° 59° 81° P-axis:-2.07 134° 14°
 NP2:235° 32° 105° T-axis: 2.01 283° 74°
 N-axis: 0.06 42° 8°
 V.R.: 76% ϵ :-0.03 N:15 COMP:18

2021/10/17 11:32: 7.8
 NEAR AMAMI-OSHIMA ISLAND
 Hypo.:29°29.4'N 130°42.2'E 52km



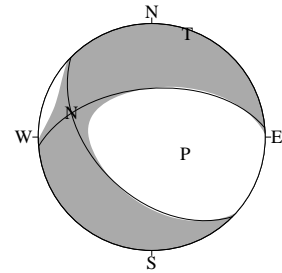
Cent.:29°19.9'N 130°42.4'E 32km $\Delta t = 1.7$
 Mo: 3.91×10^{16} N·m Mw:5.0 Mj:4.8 (sec)
 mrr: 3.41 mtt:-1.45 mff:-1.96
 mrt: 0.92 mrf: 1.03 mtf:-2.19 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 42° 55° 90° P-axis:-4.16 132° 10°
 NP2:222° 35° 90° T-axis: 3.66 311° 80°
 N-axis: 0.50 42° 0°
 V.R.: 71% ϵ :-0.12 N:18 COMP:25

2021/10/18 06:59:48.1
 W OFF OGASAWARA
 Hypo.:28°37.9'N 138°36.6'E 585km



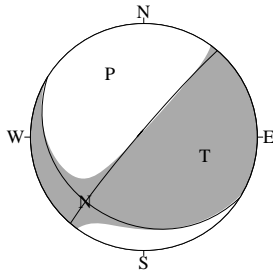
Cent.:28°43.5'N 138°33.7'E 580km $\Delta t = 0.1$
 Mo: 6.65×10^{16} N·m Mw:5.1 Mj:5.2 (sec)
 mrr: 4.15 mtt:-1.26 mff:-2.88
 mrt: 4.06 mrf: 1.22 mtf: 3.67 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:350° 45° 142° P-axis:-6.14 226° 11°
 NP2:109° 64° 52° T-axis: 7.16 331° 54°
 N-axis:-1.02 128° 34°
 V.R.: 74% ϵ : 0.14 N:15 COMP:25

2021/10/19 21:36:39.5
 E OFF AOMORI PREF
 Hypo.:41°32.5'N 142°54.3'E 38km



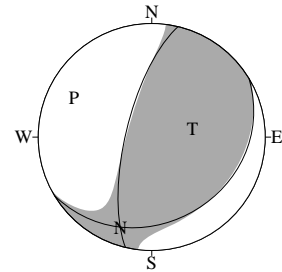
Cent.:41°29.2'N 142°54.3'E 35km $\Delta t = 3.3$
 Mo: 1.20×10^{17} N·m Mw:5.3 Mj:5.4 (sec)
 mrr:-0.94 mtt: 0.96 mff:-0.02
 mrt: 0.31 mrf: 0.46 mtf:-0.42 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:135° 47° -52° P-axis:-1.20 116° 63°
 NP2:265° 55° -124° T-axis: 1.10 19° 4°
 N-axis: 0.10 287° 27°
 V.R.: 89% ϵ :-0.08 N:15 COMP:36

2021/10/21 17:36:45.5
 FAR S OFF TOKAI DISTRICT
 Hypo.:32°10.8'N 138°27.0'E 356km



Cent.:32° 9.0'N 138°26.0'E 344km $\Delta t = 2.0$
 Mo: 2.40×10^{17} N·m Mw:5.5 Mj:5.6 (sec)
 mrr: 0.24 mtt:-1.08 mff: 0.85
 mrt:-1.47 mrf:-1.65 mtf:-0.43 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:122° 25° 171° P-axis:-2.60 332° 37°
 NP2:220° 86° 65° T-axis: 2.30 107° 43°
 N-axis: 0.20 222° 24°
 V.R.: 72% ϵ :-0.08 N:35 COMP:60

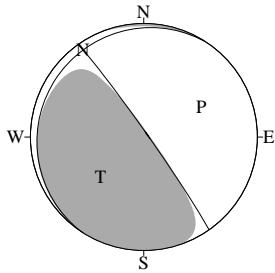
2021/10/24 14:11:33.4
 TAIWAN REGION
 Hypo.:24°28.6'N 121°43.6'E 73km



Cent.:24° 7.3'N 121°43.5'E 61km $\Delta t = 3.6$
 Mo: 3.01×10^{18} N·m Mw:6.3 Mj:6.3 (sec)
 mrr: 1.64 mtt:-0.30 mff:-1.34
 mrt:-0.34 mrf:-2.24 mtf:-1.30 ($\times 10^{18}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 59° 26° 132° P-axis:-3.15 297° 24°
 NP2:193° 71° 72° T-axis: 2.87 78° 60°
 N-axis: 0.27 199° 17°
 V.R.: 71% ϵ :-0.09 N:13 COMP:36

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2021/10/27 01:27:54.8
 E OFF FUKUSHIMA PREF
 Hypo.:37°14.6'N 142°10.3'E 23km



Cent.:37°15.5'N 142°10.9'E 23km $\Delta t = 0.6$
 $M_0: 1.55 \times 10^{16} \text{N}\cdot\text{m}$ $M_w: 4.7$ $M_j: 5.0$ (sec)
 mrr: 0.21 mtt: 0.08 mff: -0.29
 mrt: -0.91 mrf: 1.24 mtf: -0.06 ($\times 10^{16} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 325° 87° 83° P-axis: -1.50 62° 42°
 NP2: 213° 8° 158° T-axis: 1.61 227° 47°
 N-axis: -0.10 325° 7°
 V.R.: 78% $\epsilon: 0.06$ N:16 COMP:30

EQUAL AREA PROJECTON, LOWER HEMISPHERE.