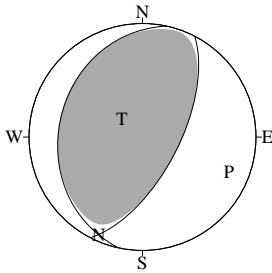


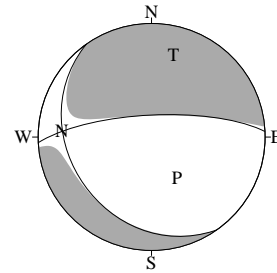
CMT SOLUTIONS FOR EARTHQUAKES IN APRIL, 2021

2021/04/01 13:30: 3.8
 E OFF AOMORI PREF
 Hypo.:41°30.7'N 142° 4.7'E 55km



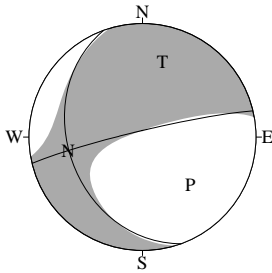
Cent.:41°29.8'N 142° 5.1'E 54km $\Delta t = 2.6$
 Mo: 4.20×10^{16} N·m Mw:5.0 Mj:4.7 (sec)
 mrr: 3.34 mtt:-0.41 mff:-2.93
 mrt: 1.39 mrf: 2.17 mtf:-1.02 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 27° 64° 97° P-axis:-4.14 112° 19°
 NP2:192° 27° 76° T-axis: 4.25 312° 70°
 N-axis:-0.12 204° 6°
 V.R.: 82% ϵ : 0.03 N:14 COMP:30

2021/04/03 21:58:26.5
 KINKAZAN REGION
 Hypo.:38°54.2'N 142° 4.3'E 45km



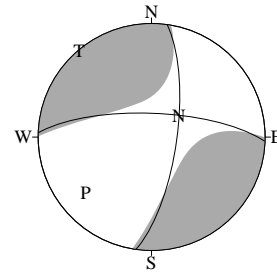
Cent.:38°54.2'N 142° 4.8'E 45km $\Delta t = 0.5$
 Mo: 6.43×10^{15} N·m Mw:4.5 Mj:4.5 (sec)
 mrr:-3.00 mtt: 3.46 mff:-0.46
 mrt: 4.99 mrf: 0.79 mtf:-2.32 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:145° 28° -35° P-axis:-6.29 148° 55°
 NP2:267° 74° -113° T-axis: 6.58 15° 26°
 N-axis:-0.29 274° 22°
 V.R.: 80% ϵ : 0.04 N:32 COMP:47

2021/04/05 09:31:48.2
 E OFF HACHIJOJIMA ISLAND
 Hypo.:33°32.1'N 140°29.1'E 56km



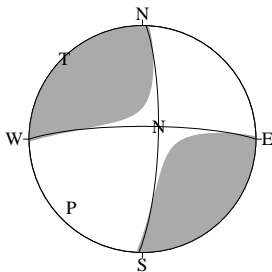
Cent.:33°30.9'N 140°29.7'E 57km $\Delta t = 0.7$
 Mo: 1.41×10^{16} N·m Mw:4.7 Mj:4.6 (sec)
 mrr:-0.19 mtt: 0.45 mff:-0.26
 mrt: 1.08 mrf: 0.45 mtf:-0.70 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:160° 35° -8° P-axis:-1.51 135° 40°
 NP2:257° 85° -124° T-axis: 1.32 15° 32°
 N-axis: 0.19 260° 34°
 V.R.: 85% ϵ : -0.12 N:15 COMP:25

2021/04/10 07:07:30.2
 NEAR TOKARA ISLANDS
 Hypo.:29°18.9'N 129°25.4'E 22km



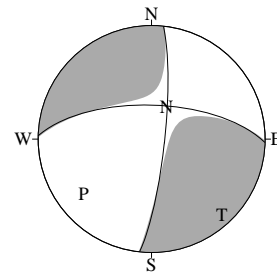
Cent.:29°18.7'N 129°25.2'E 14km $\Delta t = 3.6$
 Mo: 1.00×10^{17} N·m Mw:5.3 Mj:5.3 (sec)
 mrr:-0.33 mtt: 0.33 mff:-0.01
 mrt: 0.20 mrf:-0.21 mtf: 0.95 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 8° 72° -162° P-axis:-0.90 230° 25°
 NP2:272° 73° -19° T-axis: 1.10 320° 1°
 N-axis:-0.20 52° 65°
 V.R.: 77% ϵ : 0.17 N:12 COMP:27

2021/04/10 15:52: 9.8
 NEAR TOKARA ISLANDS
 Hypo.:29°19.0'N 129°18.3'E 19km



Cent.:29°15.6'N 129°18.4'E 10km $\Delta t = 2.6$
 Mo: 4.69×10^{16} N·m Mw:5.0 Mj:4.5 (sec)
 mrr:-0.72 mtt: 0.51 mff: 0.21
 mrt: 0.77 mrf:-0.59 mtf: 4.56 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 2° 79° -171° P-axis:-4.46 226° 14°
 NP2:270° 81° -11° T-axis: 4.93 316° 1°
 N-axis:-0.48 52° 75°
 V.R.: 85% ϵ : 0.10 N:12 COMP:19

2021/04/10 22:10:37.9
 NEAR TOKARA ISLANDS
 Hypo.:29°18.4'N 129°20.7'E 20km

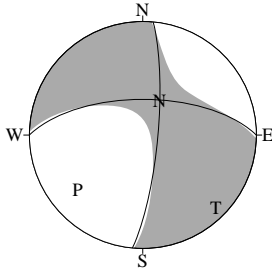


Cent.:29°15.0'N 129°20.9'E 10km $\Delta t = 3.0$
 Mo: 2.38×10^{16} N·m Mw:4.9 Mj:4.6 (sec)
 mrr:-0.43 mtt: 0.49 mff:-0.06
 mrt: 0.17 mrf:-0.94 mtf: 2.14 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 6° 81° -155° P-axis:-2.31 231° 24°
 NP2:272° 65° -10° T-axis: 2.46 137° 10°
 N-axis:-0.15 25° 64°
 V.R.: 76% ϵ : 0.06 N:12 COMP:18

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

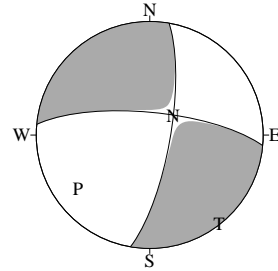
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
 Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
 mrr,mtt,mff,mrt,mrf,mtf: Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
 MOM,AZM,PLG: Moment tensor component, azimuth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

2021/04/11 05:40:36.8
 NEAR TOKARA ISLANDS
 Hypo.:29°19.5'N 129°23.3'E 20km



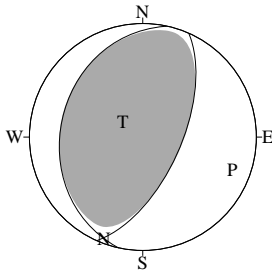
Cent.:29°16.4'N 129°22.9'E 10km $\Delta t = 2.2$
 Mo: 1.99×10^{16} N·m Mw:4.8 Mj:4.6 (sec)
 mrr:-0.17 mtt: 0.27 mff:-0.10
 mrt: 0.39 mrf:-0.91 mtf: 1.73 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 5° 79° -154° P-axis:-2.11 230° 26°
 NP2:270° 64° -12° T-axis: 1.88 135° 10°
 N-axis: 0.23 26° 62°
 V.R.: 84% ϵ :-0.11 N:10 COMP:19

2021/04/12 23:01:47.6
 NEAR TOKARA ISLANDS
 Hypo.:29°18.0'N 129°20.7'E 14km



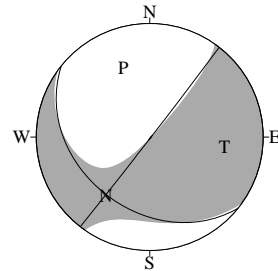
Cent.:29°15.9'N 129°20.5'E 10km $\Delta t = 3.4$
 Mo: 7.92×10^{16} N·m Mw:5.2 Mj:5.3 (sec)
 mrr:-1.25 mtt: 2.55 mff:-1.31
 mrt: 1.51 mrf:-2.24 mtf: 7.11 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 10° 75° -163° P-axis:-7.84 233° 22°
 NP2:275° 74° -15° T-axis: 7.99 142° 1°
 N-axis:-0.15 50° 68°
 V.R.: 82% ϵ : 0.02 N:15 COMP:27

2021/04/18 09:29:11.2
 E OFF MIYAGI PREF
 Hypo.:38°19.0'N 141°51.8'E 48km



Cent.:38°20.7'N 141°51.7'E 59km $\Delta t = 3.8$
 Mo: 4.30×10^{17} N·m Mw:5.7 Mj:5.8 (sec)
 mrr: 3.62 mtt:-0.42 mff:-3.20
 mrt: 1.20 mrf: 2.18 mtf:-1.00 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 24° 62° 96° P-axis:-4.30 110° 17°
 NP2:192° 28° 80° T-axis: 4.40 307° 72°
 N-axis:-0.10 201° 5°
 V.R.: 86% ϵ : 0.03 N:13 COMP:36

2021/04/21 02:39:58.6
 EASTERN NAGANO PREF
 Hypo.:36°18.6'N 138°36.7'E 165km



Cent.:36°22.5'N 138°36.6'E 170km $\Delta t = 1.4$
 Mo: 1.27×10^{16} N·m Mw:4.7 Mj:4.6 (sec)
 mrr:-0.02 mtt:-0.70 mff: 0.72
 mrt:-0.72 mrf:-0.73 mtf:-0.25 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 38° 89° -54° P-axis:-1.35 339° 35°
 NP2:129° 36° -179° T-axis: 1.19 97° 34°
 N-axis: 0.15 217° 36°
 V.R.: 87% ϵ :-0.11 N:31 COMP:46

EQUAL AREA PROJECTON, LOWER HEMISPHERE.