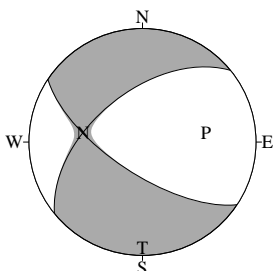


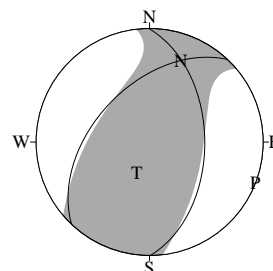
CMT SOLUTIONS FOR EARTHQUAKES IN MARCH, 2019

2019/03/02 12:22:55.5
 FAR SE OFF HOKKAIDO
 Hypo.:42° 0.4'N 146°51.7'E 51km



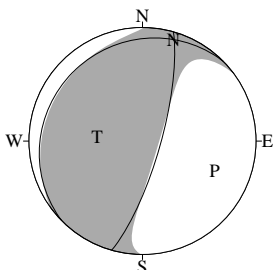
Cent.:41°49.2'N 146°51.4'E 33km $\Delta t = 3.5$
 Mo: 1.32×10^{18} N·m Mw:6.0 Mj:6.2 (sec)
 mrr:-0.59 mtt: 1.28 mff:-0.69
 mrt:-0.28 mrf: 0.67 mtf: 0.10 ($\times 10^{18}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:231° 54° -152° P-axis:-1.33 82° 43°
 NP2:124° 68° -39° T-axis: 1.32 180° 8°
 N-axis: 0.01 279° 46°
 V.R.: 86% ϵ :-0.01 N:24 COMP:54

2019/03/08 11:32:14.6
 TAIWAN REGION
 Hypo.:22°34.2'N 121°33.0'E 9km



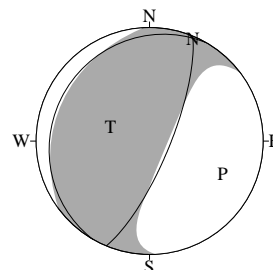
Cent.:22°23.2'N 121°32.3'E 24km $\Delta t = 2.6$
 Mo: 1.80×10^{17} N·m Mw:5.4 Mj:5.1 (sec)
 mrr: 1.41 mtt: 0.23 mff:-1.64
 mrt:-0.42 mrf: 0.17 mtf:-0.87 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:360° 50° 58° P-axis:-2.00 111° 0°
 NP2:223° 50° 122° T-axis: 1.60 202° 66°
 N-axis: 0.40 21° 24°
 V.R.: 75% ϵ :-0.19 N:7 COMP:14

2019/03/11 02:10:50.5
 FAR E OFF FUKUSHIMA PREF
 Hypo.:36°45.7'N 142°24.3'E 18km



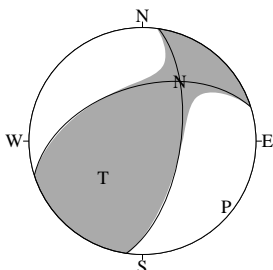
Cent.:36°47.3'N 142°24.1'E 19km $\Delta t = 7.9$
 Mo: 6.00×10^{17} N·m Mw:5.8 Mj:6.0 (sec)
 mrr: 2.30 mtt:-0.04 mff:-2.26
 mrt: 1.41 mrf: 5.18 mtf:-1.58 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 16° 77° 83° P-axis:-6.30 112° 32°
 NP2:225° 15° 119° T-axis: 5.70 276° 57°
 N-axis: 0.60 17° 7°
 V.R.: 80% ϵ :-0.10 N:15 COMP:31

2019/03/11 02:24:14.5
 FAR E OFF FUKUSHIMA PREF
 Hypo.:36°43.5'N 142°29.2'E 28km



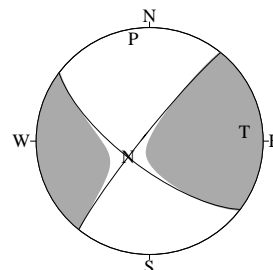
Cent.:36°39.4'N 142°28.9'E 19km $\Delta t = 4.7$
 Mo: 4.36×10^{16} N·m Mw:5.0 Mj:4.9 (sec)
 mrr: 1.77 mtt: 0.14 mff:-1.91
 mrt: 1.45 mrf: 3.52 mtf:-1.22 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 22° 75° 88° P-axis:-4.71 114° 30°
 NP2:209° 15° 97° T-axis: 4.01 290° 60°
 N-axis: 0.70 23° 2°
 V.R.: 83% ϵ :-0.15 N:12 COMP:20

2019/03/13 13:32:34.5
 TAIWAN REGION
 Hypo.:23°35.4'N 121°34.6'E 41km



Cent.:23°27.3'N 121°34.5'E 35km $\Delta t = 1.7$
 Mo: 2.52×10^{16} N·m Mw:4.9 Mj:4.8 (sec)
 mrr: 1.51 mtt:-0.44 mff:-1.07
 mrt:-0.54 mrf: 1.08 mtf:-1.78 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 8° 62° 46° P-axis:-2.62 128° 7°
 NP2:252° 50° 143° T-axis: 2.43 227° 51°
 N-axis: 0.19 32° 38°
 V.R.: 87% ϵ :-0.07 N:8 COMP:11

2019/03/13 13:48:48.7
 S PART OF KII CHANNEL
 Hypo.:33°48.0'N 134°54.8'E 43km

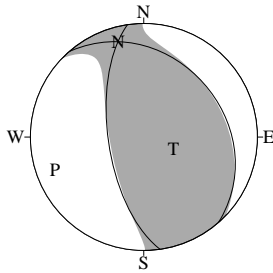


Cent.:33°46.2'N 134°54.7'E 37km $\Delta t = 3.1$
 Mo: 9.08×10^{16} N·m Mw:5.2 Mj:5.3 (sec)
 mrr: 0.09 mtt:-8.34 mff: 8.25
 mrt:-1.07 mrf:-2.90 mtf:-2.07 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:219° 85° 19° P-axis:-8.83 351° 9°
 NP2:127° 71° 175° T-axis: 9.33 84° 17°
 N-axis:-0.50 233° 71°
 V.R.: 85% ϵ : 0.05 N:45 COMP:79

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

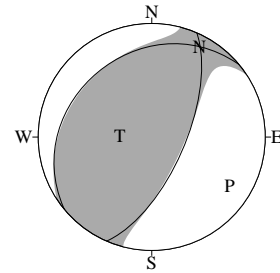
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
 Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
 mrr,mtt,mff,mrt,mrf,mtf:Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
 MOM,AZM,PLG:Moment tensor component, azimuth and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

2019/03/26 03:30:20.5
 MID FUKUSHIMA PREF
 Hypo.:37°19.9'N 140°18.2'E 99km



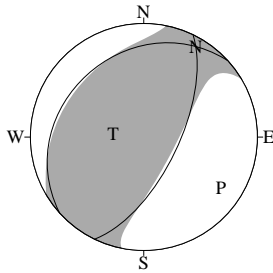
Cent.:37°19.9'N 140°18.1'E 99km $\Delta t = 0.4$
 Mo: $3.60 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.3 Mj:4.1 (sec)
 mrr: 2.57 mtt:-0.03 mff:-2.53
 mrt: 0.01 mrf:-2.18 mtf: 1.34 ($\times 10^{15} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1:319° 30° 61° P-axis:-3.77 250° 18°
 NP2:172° 64° 106° T-axis: 3.44 111° 67°
 N-axis: 0.33 345° 14°
 V.R.: 75% ϵ :-0.09 N:23 COMP:26

2019/03/27 09:11:23.3
 HYUGANADA REGION
 Hypo.:32° 9.1'N 132° 9.3'E 15km



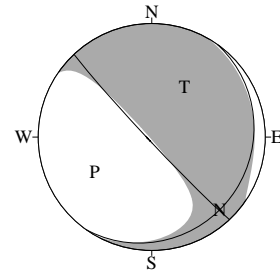
Cent.:31°59.9'N 132° 9.0'E 23km $\Delta t = 2.5$
 Mo: $1.00 \times 10^{17} \text{N}\cdot\text{m}$ Mw:5.3 Mj:5.4 (sec)
 mrr: 0.71 mtt:-0.20 mff:-0.50
 mrt: 0.21 mrf: 0.64 mtf:-0.45 ($\times 10^{17} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 23° 66° 78° P-axis:-1.10 122° 20°
 NP2:230° 27° 114° T-axis: 1.00 272° 67°
 N-axis: 0.10 28° 11°
 V.R.: 81% ϵ :-0.08 N:25 COMP:59

2019/03/27 15:38: 3.3
 HYUGANADA REGION
 Hypo.:32° 9.8'N 132° 9.0'E 21km



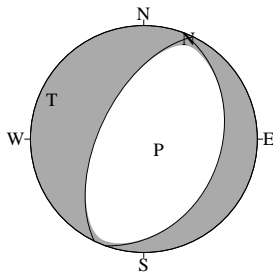
Cent.:32° 1.3'N 132° 8.8'E 31km $\Delta t = 3.6$
 Mo: $1.30 \times 10^{17} \text{N}\cdot\text{m}$ Mw:5.3 Mj:5.4 (sec)
 mrr: 0.87 mtt:-0.22 mff:-0.66
 mrt: 0.31 mrf: 0.75 mtf:-0.62 ($\times 10^{17} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 26° 65° 80° P-axis:-1.40 123° 20°
 NP2:228° 27° 110° T-axis: 1.20 276° 68°
 N-axis: 0.20 30° 9°
 V.R.: 81% ϵ :-0.14 N:26 COMP:55

2019/03/28 11:16:59.3
 SE OFF TOKACHI
 Hypo.:42°26.8'N 143°40.2'E 78km



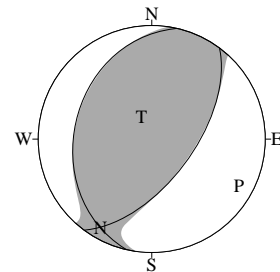
Cent.:42°26.8'N 143°40.5'E 78km $\Delta t = 0.5$
 Mo: $6.71 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.5 Mj:4.6 (sec)
 mrr: 0.29 mtt: 1.46 mff:-1.76
 mrt: 4.31 mrf:-4.87 mtf: 0.79 ($\times 10^{15} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 35° 14° 168° P-axis:-7.11 239° 41°
 NP2:137° 87° 77° T-axis: 6.31 33° 46°
 N-axis: 0.80 137° 13°
 V.R.: 82% ϵ :-0.11 N:27 COMP:31

2019/03/29 12:24:15.3
 E OFF FUKUSHIMA PREF
 Hypo.:37° 2.0'N 141°11.6'E 21km



Cent.:37° 2.1'N 141°11.5'E 10km $\Delta t = 0.4$
 Mo: $3.00 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.3 Mj:4.5 (sec)
 mrr:-2.72 mtt: 0.44 mff: 2.28
 mrt: 0.65 mrf: 1.14 mtf: 0.94 ($\times 10^{15} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 20° 32° -95° P-axis:-3.02 125° 77°
 NP2:206° 58° -87° T-axis: 2.98 293° 13°
 N-axis: 0.05 24° 3°
 V.R.: 73% ϵ :-0.02 N:18 COMP:22

2019/03/30 05:55:42.5
 NEAR TANEGASHIMA ISLAND
 Hypo.:30°35.3'N 131° 9.3'E 32km



Cent.:30°35.1'N 131° 9.8'E 35km $\Delta t = 3.6$
 Mo: $7.61 \times 10^{16} \text{N}\cdot\text{m}$ Mw:5.2 Mj:5.0 (sec)
 mrr: 6.23 mtt:-0.70 mff:-5.53
 mrt: 2.82 mrf: 2.61 mtf:-2.90 ($\times 10^{16} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 37° 60° 102° P-axis:-7.81 118° 14°
 NP2:193° 32° 69° T-axis: 7.42 336° 72°
 N-axis: 0.38 210° 11°
 V.R.: 77% ϵ :-0.05 N:35 COMP:66

EQUAL AREA PROJECTON, LOWER HEMISPHERE.