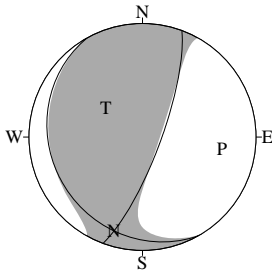


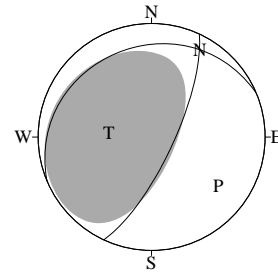
CMT SOLUTIONS FOR EARTHQUAKES IN MARCH, 2021

2021/03/01 11:54: 6.4
SE OFF TOKACHI
Hypo.:42° 6.5'N 144°24.1'E 20km



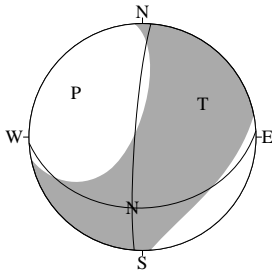
Cent.:42° 6.4'N 144°24.4'E 20km $\Delta t = 0.5$
Mo: 6.53×10^{15} N·m Mw:4.5 Mj:4.6 (sec)
mrr: 2.51 mtt: 1.26 mff:-3.77
mrt: 2.09 mrf: 5.24 mtf: 0.08 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 20° 77° 105° P-axis: -6.86 98° 30°
NP2: 151° 20° 42° T-axis: 6.19 309° 56°
N-axis: 0.67 197° 15°
V.R.: 69% ϵ : -0.10 N:15 COMP:23

2021/03/03 06:22:47.6
E OFF HOKKAIDO
Hypo.:43°53.1'N 147°28.0'E 0km



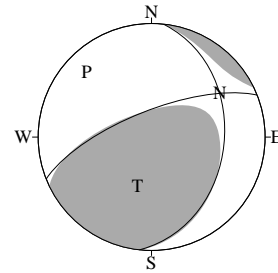
Cent.:43°41.9'N 147°29.3'E 24km $\Delta t = 5.3$
Mo: 6.20×10^{17} N·m Mw:5.8 Mj:5.9 (sec)
mrr: 3.62 mtt:-2.30 mff:-1.32
mrt: 1.47 mrf: 4.99 mtf:-1.46 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 25° 74° 76° P-axis: -5.60 126° 28°
NP2: 247° 21° 130° T-axis: 6.70 276° 59°
N-axis: -1.10 29° 13°
V.R.: 65% ϵ : 0.16 N:16 COMP:38

2021/03/09 08:29:58.9
NORTHERN MIYAGI PREF
Hypo.:38°45.6'N 141°35.5'E 76km



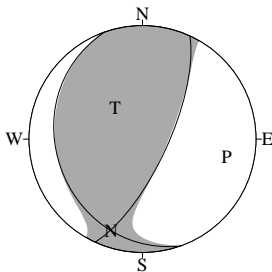
Cent.:38°48.7'N 141°35.4'E 79km $\Delta t = 1.4$
Mo: 2.95×10^{16} N·m Mw:4.9 Mj:4.9 (sec)
mrr: 0.50 mtt: 0.28 mff:-0.79
mrt: -0.88 mrf: -2.19 mtf: -1.96 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 87° 38° 171° P-axis: -3.58 304° 30°
NP2: 184° 84° 53° T-axis: 2.34 61° 39°
N-axis: 1.24 188° 37°
V.R.: 86% ϵ : -0.35 N:25 COMP:56

2021/03/09 09:26:59.3
EASTERN SEA OF JAPAN
Hypo.:40° 5.1'N 137°54.0'E 289km



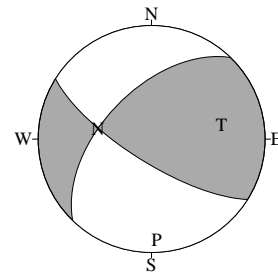
Cent.:40° 3.2'N 137°53.9'E 291km $\Delta t = 1.2$
Mo: 2.26×10^{16} N·m Mw:4.8 Mj:4.9 (sec)
mrr: 1.21 mtt:-0.21 mff:-1.00
mrt: -1.65 mrf: -0.09 mtf: -1.09 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 6° 36° 33° P-axis: -2.14 315° 20°
NP2: 248° 71° 121° T-axis: 2.38 196° 53°
N-axis: -0.24 57° 29°
V.R.: 85% ϵ : 0.10 N:19 COMP:26

2021/03/14 02:16:54.8
NE OFF IWATE PREF
Hypo.:40° 8.0'N 142°24.5'E 40km



Cent.:40° 7.2'N 142°24.7'E 40km $\Delta t = 0.6$
Mo: 9.40×10^{15} N·m Mw:4.6 Mj:4.6 (sec)
mrr: 5.08 mtt: 1.49 mff:-6.57
mrt: 3.57 mrf: 6.32 mtf: -0.61 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 25° 72° 107° P-axis: -9.71 102° 25°
NP2: 161° 25° 49° T-axis: 9.09 319° 60°
N-axis: 0.62 199° 16°
V.R.: 67% ϵ : -0.06 N:22 COMP:30

2021/03/16 04:56:18.1
SW IBARAKI PREF
Hypo.:36° 9.2'N 139°49.1'E 54km

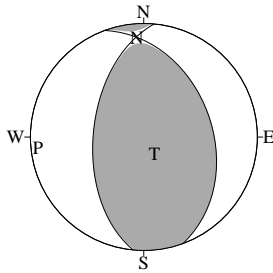


Cent.:36° 7.9'N 139°48.8'E 60km $\Delta t = 3.9$
Mo: 2.23×10^{16} N·m Mw:4.8 Mj:4.9 (sec)
mrr: 0.72 mtt:-2.06 mff: 1.34
mrt: 0.68 mrf: -1.02 mtf: -0.42 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 224° 55° 20° P-axis: -2.23 177° 12°
NP2: 122° 74° 143° T-axis: 2.23 78° 37°
N-axis: 0.00 281° 50°
V.R.: 82% ϵ : 0.00 N:44 COMP:91

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

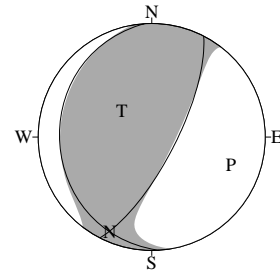
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf:Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG:Moment tensor component, azimuth and plunge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

2021/03/17 17:28:49.5
 E OFF FUKUSHIMA PREF
 Hypo.:37°41.7'N 141°36.8'E 57km



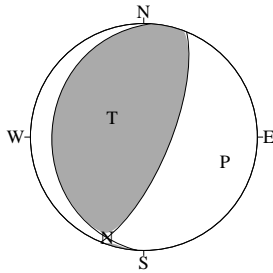
Cent.:37°48.4'N 141°36.9'E 48km $\Delta t = 3.6$
 Mo: 4.73×10^{16} N·m Mw:5.0 Mj:5.2 (sec)
 mrr: 4.38 mtt: 0.11 mff:-4.49
 mrt:-0.90 mrf:-1.22 mtf: 0.61 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:340° 40° 70° P-axis:-4.70 264° 7°
 NP2:185° 53° 106° T-axis: 4.75 146° 76°
 N-axis:-0.04 356° 13°
 V.R.: 87% ϵ : 0.01 N:12 COMP:25

2021/03/20 09:26:25.4
 NE OFF IWATE PREF
 Hypo.:40° 7.6'N 142°24.5'E 39km



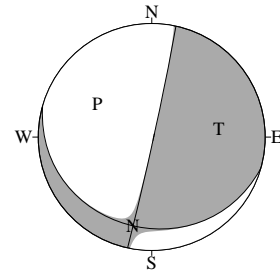
Cent.:40° 9.2'N 142°24.9'E 39km $\Delta t = 0.6$
 Mo: 1.60×10^{16} N·m Mw:4.7 Mj:4.8 (sec)
 mrr: 0.82 mtt: 0.13 mff:-0.95
 mrt: 0.64 mrf: 1.14 mtf:-0.28 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 27° 73° 100° P-axis:-1.67 109° 27°
 NP2:176° 20° 60° T-axis: 1.54 312° 61°
 N-axis: 0.14 204° 10°
 V.R.: 83% ϵ :-0.08 N:15 COMP:19

2021/03/20 18:09:44.8
 KINKAZAN REGION
 Hypo.:38°28.0'N 141°37.6'E 59km



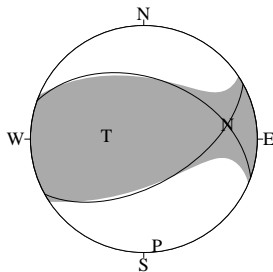
Cent.:38°26.3'N 141°39.3'E 56km $\Delta t = 5.9$
 Mo: 4.09×10^{19} N·m Mw:7.0 Mj:6.9 (sec)
 mrr: 2.51 mtt:-0.08 mff:-2.43
 mrt: 1.35 mrf: 2.91 mtf:-0.56 ($\times 10^{19}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 22° 71° 96° P-axis:-4.07 107° 26°
 NP2:183° 20° 72° T-axis: 4.10 302° 63°
 N-axis:-0.02 200° 6°
 V.R.: 71% ϵ : 0.01 N:22 COMP:53

2021/03/27 07:02:14.9
 NW OFF MIYAKOJIMA ISLAND
 Hypo.:26° 4.6'N 125° 2.4'E 152km



Cent.:26° 0.1'N 125° 3.1'E 155km $\Delta t = 3.3$
 Mo: 1.12×10^{18} N·m Mw:6.0 Mj:6.2 (sec)
 mrr:-0.05 mtt:-0.15 mff: 0.21
 mrt:-0.24 mrf:-1.02 mtf:-0.36 ($\times 10^{18}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 12° 89° -69° P-axis:-1.13 302° 43°
 NP2:106° 21°-176° T-axis: 1.11 83° 40°
 N-axis: 0.02 192° 21°
 V.R.: 88% ϵ :-0.01 N:9 COMP:21

2021/03/28 09:26:55.8
 E OFF HACHIJOJIMA ISLAND
 Hypo.:33°39.1'N 140°25.1'E 55km



Cent.:33°46.9'N 140°25.0'E 55km $\Delta t = 8.2$
 Mo: 5.90×10^{17} N·m Mw:5.8 Mj:5.6 (sec)
 mrr: 4.40 mtt:-6.11 mff: 1.71
 mrt: 0.92 mrf: 1.92 mtf:-0.74 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 61° 56° 58° P-axis:-6.30 173° 6°
 NP2:290° 45° 129° T-axis: 5.40 275° 63°
 N-axis: 0.90 80° 26°
 V.R.: 88% ϵ :-0.14 N:38 COMP:99

EQUAL AREA PROJECTON, LOWER HEMISPHERE.