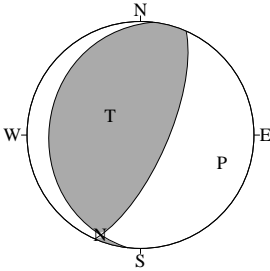


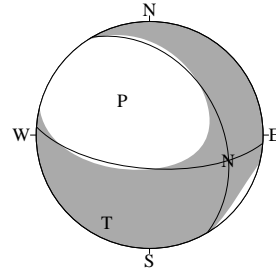
CMT SOLUTIONS FOR EARTHQUAKES IN MAY, 2021

2021/05/01 10:27:26.9
E OFF MIYAGI PREF
Hypo.:38°10.4'N 141°44.4'E 51km



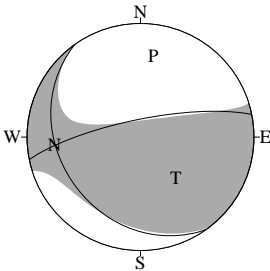
Cent.:38°15.4'N 141°45.9'E 51km $\Delta t = 4.4$
Mo: 2.04×10^{19} N·m Mw:6.8 Mj:6.8 (sec)
mrr: 1.27 mtt:-0.06 mff:-1.21
mrt: 0.70 mrf: 1.42 mtf:-0.33 ($\times 10^{19}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 24° 71° 96° P-axis:-2.04 109° 25°
NP2:186° 20° 74° T-axis: 2.04 303° 64°
N-axis: 0.00 202° 6°
V.R.: 72% ϵ : 0.00 N:21 COMP:47

2021/05/03 14:07:31.2
NW OFF ISHIGAKIJIMA IS
Hypo.:25°36.9'N 123°51.2'E 192km



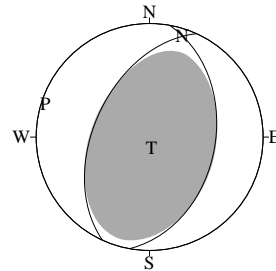
Cent.:25°35.9'N 123°51.3'E 201km $\Delta t = 1.3$
Mo: 2.30×10^{17} N·m Mw:5.5 Mj:5.7 (sec)
mrr:-1.54 mtt: 1.12 mff: 0.43
mrt:-1.42 mrf:-0.65 mtf:-0.99 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 94° 66°-121° P-axis:-2.50 322° 58°
NP2:329° 38° -42° T-axis: 2.00 206° 15°
N-axis: 0.50 108° 28°
V.R.: 88% ϵ :-0.19 N:9 COMP:18

2021/05/05 03:10:46.1
E OFF FUKUSHIMA PREF
Hypo.:37°11.6'N 141°40.2'E 36km



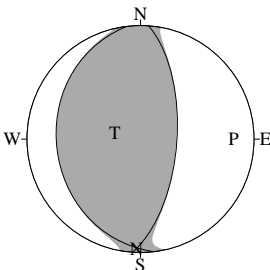
Cent.:37°13.8'N 141°40.9'E 35km $\Delta t = 0.6$
Mo: 2.16×10^{16} N·m Mw:4.8 Mj:5.1 (sec)
mrr: 0.76 mtt:-1.30 mff: 0.54
mrt:-1.69 mrf:-0.38 mtf: 0.66 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:145° 29° 153° P-axis:-2.31 9° 28°
NP2:259° 77° 64° T-axis: 2.01 139° 51°
N-axis: 0.30 265° 25°
V.R.: 70% ϵ :-0.13 N:15 COMP:30

2021/05/08 13:19: 7.6
E OFF HACHIJOJIMA ISLAND
Hypo.:32° 5.5'N 140°35.0'E 79km



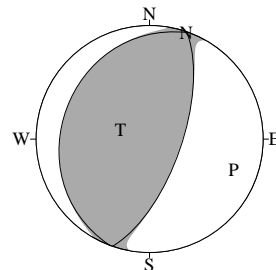
Cent.:31°56.3'N 140°34.8'E 80km $\Delta t = 0.9$
Mo: 2.00×10^{16} N·m Mw:4.8 Mj:4.9 (sec)
mrr: 2.01 mtt:-0.26 mff:-1.75
mrt:-0.34 mrf:-0.18 mtf:-0.51 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 10° 42° 79° P-axis:-1.93 288° 4°
NP2:204° 49° 99° T-axis: 2.07 169° 82°
N-axis:-0.13 18° 7°
V.R.: 86% ϵ : 0.07 N:15 COMP:29

2021/05/12 12:46:56.7
E OFF HACHIJOJIMA ISLAND
Hypo.:32°35.5'N 141°13.5'E 23km



Cent.:32°26.0'N 141°15.0'E 21km $\Delta t = 1.5$
Mo: 2.57×10^{16} N·m Mw:4.9 Mj:4.6 (sec)
mrr: 1.99 mtt: 0.09 mff:-2.09
mrt: 0.20 mrf: 1.55 mtf: 0.05 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 4° 64° 95° P-axis:-2.61 90° 19°
NP2:173° 27° 80° T-axis: 2.53 285° 71°
N-axis: 0.08 182° 4°
V.R.: 69% ϵ :-0.03 N:15 COMP:22

2021/05/14 08:58:14.2
E OFF FUKUSHIMA PREF
Hypo.:37°41.9'N 141°45.7'E 46km

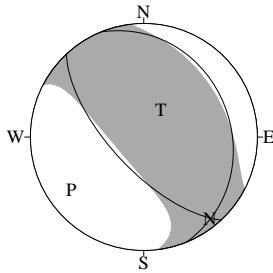


Cent.:37°43.7'N 141°46.2'E 47km $\Delta t = 4.0$
Mo: 1.25×10^{18} N·m Mw:6.0 Mj:6.3 (sec)
mrr: 0.88 mtt:-0.08 mff:-0.81
mrt: 0.28 mrf: 0.82 mtf:-0.30 ($\times 10^{18}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 19° 67° 89° P-axis:-1.27 110° 22°
NP2:201° 23° 91° T-axis: 1.23 288° 68°
N-axis: 0.03 19° 1°
V.R.: 74% ϵ :-0.03 N:31 COMP:65

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

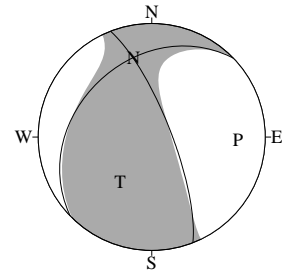
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf: Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG: Moment tensor component, azimuth and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

2021/05/14 20:46:51.2
 HIDAKA REGION
 Hypo.:42°29.4'N 142°35.6'E 20km



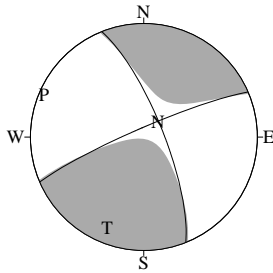
Cent.:42°30.0'N 142°35.6'E 21km $\Delta t = 1.9$
 Mo: 1.17×10^{16} N·m Mw:4.6 Mj:4.6 (sec)
 mrr: 0.71 mtt:-0.13 mff:-0.58
 mrt: 0.56 mrf:-0.58 mtf: 0.60 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:338° 24° 109° P-axis:-1.31 234° 22°
 NP2:137° 67° 82° T-axis: 1.04 32° 67°
 N-axis: 0.27 141° 8°
 V.R.: 71% ϵ :-0.20 N:17 COMP:33

2021/05/16 12:23:54.2
 SE OFF TOKACHI
 Hypo.:42° 5.5'N 144°28.1'E 5km



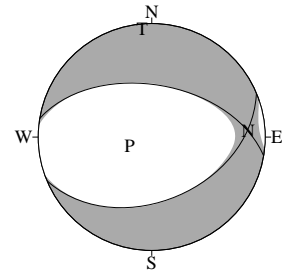
Cent.:42° 5.7'N 144°28.4'E 10km $\Delta t = 5.9$
 Mo: 6.80×10^{17} N·m Mw:5.8 Mj:6.1 (sec)
 mrr: 2.61 mtt: 2.37 mff:-4.99
 mrt:-2.08 mrf: 4.65 mtf:-1.25 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:339° 76° 60° P-axis:-7.20 92° 25°
 NP2:226° 33° 153° T-axis: 6.30 215° 50°
 N-axis: 0.90 347° 29°
 V.R.: 74% ϵ :-0.12 N:11 COMP:21

2021/05/27 06:04: 2.4
 E OFF AOMORI PREF
 Hypo.:40°27.4'N 143°12.8'E 32km



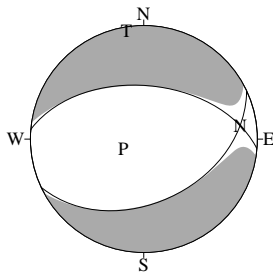
Cent.:40°24.1'N 143°13.4'E 28km $\Delta t = 0.7$
 Mo: 1.51×10^{16} N·m Mw:4.7 Mj:4.8 (sec)
 mrr:-0.02 mtt: 1.04 mff:-1.02
 mrt:-0.43 mrf: 0.04 mtf:-1.02 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:247° 83° 166° P-axis:-1.45 293° 5°
 NP2:338° 76° 7° T-axis: 1.57 202° 15°
 N-axis:-0.12 42° 75°
 V.R.: 79% ϵ : 0.08 N:37 COMP:62

2021/05/27 09:00:33.5
 NW OFF ISHIGAKIJIMA IS
 Hypo.:24°55.3'N 122°44.9'E 25km



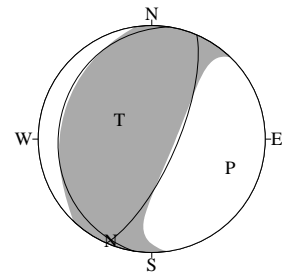
Cent.:24°58.9'N 122°45.4'E 12km $\Delta t = 1.2$
 Mo: 1.95×10^{16} N·m Mw:4.8 Mj:4.8 (sec)
 mrr:-1.79 mtt: 1.86 mff:-0.07
 mrt: 0.36 mrf:-0.53 mtf: 0.23 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 67° 43°-115° P-axis:-1.98 249° 73°
 NP2:279° 52° -69° T-axis: 1.91 355° 5°
 N-axis: 0.07 86° 16°
 V.R.: 59% ϵ :-0.03 N:7 COMP:12

2021/05/28 01:18:10.1
 NW OFF ISHIGAKIJIMA IS
 Hypo.:24°58.1'N 122°37.4'E 27km



Cent.:24°58.2'N 122°37.5'E 10km $\Delta t = 0.8$
 Mo: 2.64×10^{16} N·m Mw:4.9 Mj:4.9 (sec)
 mrr:-2.39 mtt: 2.59 mff:-0.21
 mrt: 0.46 mrf:-0.56 mtf: 0.51 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 65° 43°-113° P-axis:-2.58 246° 74°
 NP2:275° 51° -70° T-axis: 2.71 351° 4°
 N-axis:-0.13 82° 15°
 V.R.: 59% ϵ : 0.05 N:8 COMP:14

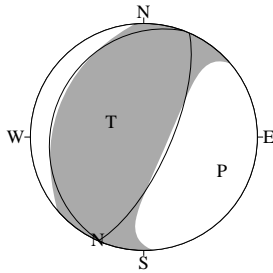
2021/05/29 08:21: 6.7
 FAR E OFF IBARAKI PREF
 Hypo.:36°21.0'N 141°51.7'E 24km



Cent.:36°19.9'N 141°51.9'E 27km $\Delta t = 4.1$
 Mo: 8.79×10^{16} N·m Mw:5.2 Mj:5.3 (sec)
 mrr: 4.50 mtt: 0.74 mff:-5.24
 mrt: 2.87 mrf: 6.46 mtf:-2.14 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 23° 72° 95° P-axis:-9.48 110° 27°
 NP2:189° 19° 76° T-axis: 8.11 301° 63°
 N-axis: 1.37 202° 4°
 V.R.: 83% ϵ :-0.14 N:15 COMP:32

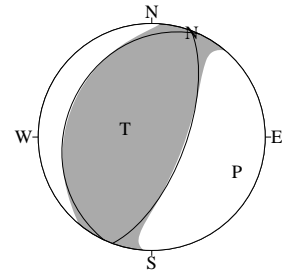
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2021/05/29 09:04:51.7
 FAR E OFF IBARAKI PREF
 Hypo.:36°21.6'N 141°51.2'E 28km



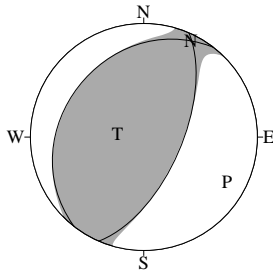
Cent.:36°15.6'N 141°51.6'E 23km $\Delta t = 1.2$
 Mo: 1.78×10^{16} N·m Mw:4.8 Mj:5.0 (sec)
 mrr: 0.95 mtt: 0.10 mff:-1.04
 mrt: 0.56 mrf: 1.27 mtf:-0.57 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 24° 71° 91° P-axis:-1.94 113° 26°
 NP2:200° 19° 86° T-axis: 1.61 296° 64°
 N-axis: 0.33 204° 1°
 V.R.: 83% ϵ :-0.17 N:15 COMP:23

2021/05/29 10:02:43.1
 FAR E OFF IBARAKI PREF
 Hypo.:36°20.5'N 141°50.0'E 32km



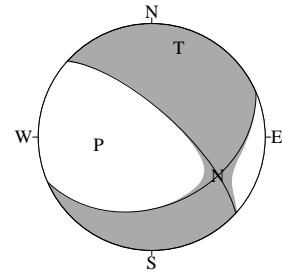
Cent.:36°22.1'N 141°50.2'E 33km $\Delta t = 5.6$
 Mo: 2.30×10^{17} N·m Mw:5.5 Mj:5.7 (sec)
 mrr: 1.67 mtt:-0.10 mff:-1.58
 mrt: 0.51 mrf: 1.44 mtf:-0.73 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 20° 65° 88° P-axis:-2.40 112° 20°
 NP2:205° 25° 94° T-axis: 2.20 287° 70°
 N-axis: 0.20 21° 2°
 V.R.: 87% ϵ :-0.08 N:15 COMP:35

2021/05/29 19:10:41.2
 S OFF URAKAWA
 Hypo.:42° 2.7'N 142°39.1'E 63km



Cent.:42° 3.4'N 142°39.4'E 57km $\Delta t = 2.8$
 Mo: 3.64×10^{16} N·m Mw:5.0 Mj:4.9 (sec)
 mrr: 2.87 mtt:-0.63 mff:-2.23
 mrt: 0.68 mrf: 1.99 mtf:-1.42 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 23° 63° 83° P-axis:-3.72 118° 18°
 NP2:218° 28° 103° T-axis: 3.56 278° 71°
 N-axis: 0.16 26° 6°
 V.R.: 76% ϵ :-0.04 N:29 COMP:48

2021/05/30 22:33:26.4
 W OFF OGASAWARA
 Hypo.:27° 8.1'N 140°11.2'E 546km



Cent.:27°15.7'N 140° 8.5'E 534km $\Delta t = 2.9$
 Mo: 1.90×10^{17} N·m Mw:5.5 Mj:5.4 (sec)
 mrr:-0.96 mtt: 1.55 mff:-0.59
 mrt: 0.68 mrf:-1.16 mtf:-0.34 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 67° 39°-150° P-axis:-2.00 262° 51°
 NP2:312° 72° -55° T-axis: 1.90 17° 19°
 N-axis: 0.10 120° 33°
 V.R.: 84% ϵ :-0.04 N:44 COMP:93

EQUAL AREA PROJECTON, LOWER HEMISPHERE.