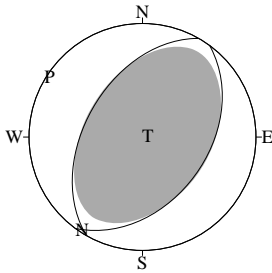


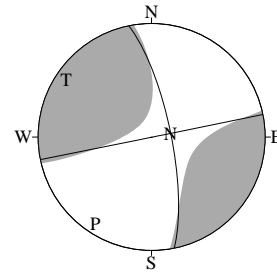
CMT SOLUTIONS FOR EARTHQUAKES IN MAY, 2020

2020/05/03 12:24:39.7
TAIWAN REGION
Hypo.:23°12.7'N 121°38.3'E 38km



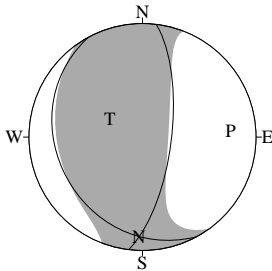
Cent.:23°19.5'N 121°38.2'E 47km $\Delta t = 4.3$
Mo: 9.10×10^{16} N·m Mw:5.2 Mj:5.2 (sec)
mrr: 9.34 mtt:-3.02 mff:-6.33
mrt:-0.01 mrf:-1.09 mtf:-3.71 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 36° 42° 95° P-axis:-8.78 303° 3°
NP2:210° 48° 86° T-axis: 9.43 74° 86°
N-axis:-0.65 213° 3°
V.R.: 73% ϵ : 0.07 N:11 COMP:18

2020/05/03 20:54:21.0
SW OFF KYUSHU
Hypo.:31°18.2'N 128°43.0'E 9km



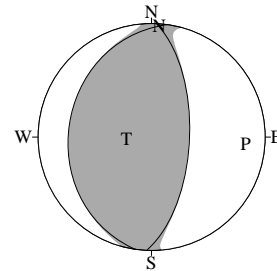
Cent.:31°17.1'N 128°43.1'E 10km $\Delta t = 7.0$
Mo: 1.33×10^{18} N·m Mw:6.0 Mj:6.2 (sec)
mrr:-0.19 mtt:-0.40 mff: 0.59
mrt: 0.30 mrf: 0.14 mtf: 1.19 ($\times 10^{18}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 79° 90° 14° P-axis:-1.22 213° 10°
NP2:348° 76° 180° T-axis: 1.43 304° 10°
N-axis:-0.21 79° 76°
V.R.: 85% ϵ : 0.15 N:15 COMP:42

2020/05/04 12:03: 9.1
NEAR TORISHIMA IS
Hypo.:31° 3.9'N 142° 7.9'E 22km



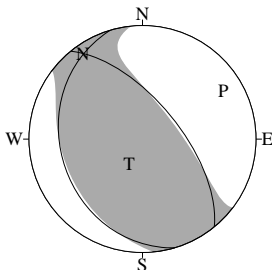
Cent.:31° 0.3'N 142° 6.3'E 10km $\Delta t = 7.1$
Mo: 8.45×10^{16} N·m Mw:5.2 Mj:5.3 (sec)
mrr: 4.76 mtt: 1.87 mff:-6.63
mrt: 0.94 mrf: 6.01 mtf: 1.17 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 7° 69° 104° P-axis:-9.25 86° 23°
NP2:151° 25° 57° T-axis: 7.64 300° 63°
N-axis: 1.61 182° 13°
V.R.: 81% ϵ :-0.17 N:29 COMP:72

2020/05/04 22:07:49.7
NEAR CHOSHI CITY
Hypo.:35°43.8'N 140°36.6'E 48km



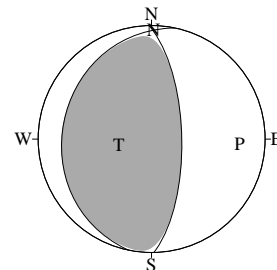
Cent.:35°40.9'N 140°36.7'E 55km $\Delta t = 4.9$
Mo: 3.40×10^{17} N·m Mw:5.6 Mj:5.6 (sec)
mrr: 2.72 mtt: 0.07 mff:-2.79
mrt: 0.02 mrf: 1.95 mtf:-0.26 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 3° 63° 87° P-axis:-3.40 94° 18°
NP2:188° 28° 95° T-axis: 3.30 267° 72°
N-axis: 0.10 4° 2°
V.R.: 79% ϵ :-0.02 N:30 COMP:68

2020/05/06 01:57: 7.5
CENTRAL CHIBA PREF
Hypo.:35°37.9'N 140° 4.7'E 68km



Cent.:35°35.8'N 140° 5.3'E 61km $\Delta t = 3.8$
Mo: 6.08×10^{16} N·m Mw:5.1 Mj:5.0 (sec)
mrr: 4.35 mtt:-0.50 mff:-3.85
mrt:-2.50 mrf: 2.62 mtf: 2.73 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:321° 64° 80° P-axis:-6.52 59° 18°
NP2:163° 28° 110° T-axis: 5.64 209° 70°
N-axis: 0.88 325° 9°
V.R.: 76% ϵ :-0.13 N:37 COMP:94

2020/05/08 09:33:27.1
NEAR TORISHIMA IS
Hypo.:31° 6.0'N 142° 9.7'E 9km

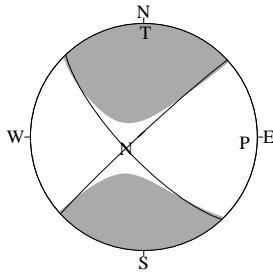


Cent.:30°59.5'N 142°13.0'E 10km $\Delta t = 1.1$
Mo: 3.61×10^{16} N·m Mw:5.0 Mj:5.1 (sec)
mrr: 2.50 mtt:-0.04 mff:-2.46
mrt:-0.17 mrf: 2.61 mtf:-0.23 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:359° 68° 85° P-axis:-3.59 93° 23°
NP2:192° 22° 102° T-axis: 3.64 260° 66°
N-axis:-0.05 1° 4°
V.R.: 81% ϵ : 0.01 N:29 COMP:62

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

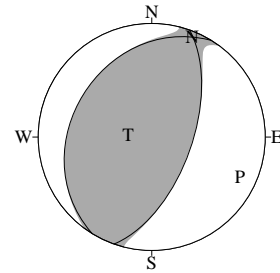
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf: Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG: Moment tensor component, azimuth and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

2020/05/09 06:35:16.6
 NE OFF IWATE PREF
 Hypo.:40° 6.1'N 142° 1.4'E 11km



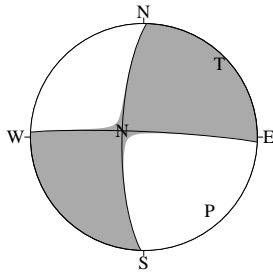
Cent.:40° 6.1'N 142° 1.5'E 11km $\Delta t = 0.4$
 Mo: $5.13 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.4 Mj:4.8 (sec)
 mrr:-0.64 mtt: 5.27 mff:-4.63
 mrt: 0.93 mrf: 0.89 mtf:-0.30 ($\times 10^{15} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1:227° 87° -165° P-axis:-4.85 93° 12°
 NP2:137° 75° -3° T-axis: 5.42 1° 9°
 N-axis:-0.57 237° 75°
 V.R.: 73% ϵ : 0.11 N:24 COMP:33

2020/05/11 08:58:33.9
 E OFF IBARAKI PREF
 Hypo.:36°23.2'N 141° 2.3'E 47km



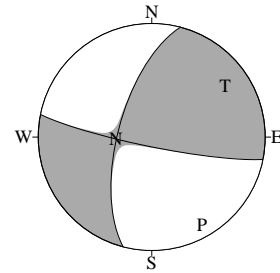
Cent.:36°18.5'N 141° 2.4'E 48km $\Delta t = 6.2$
 Mo: $7.10 \times 10^{17} \text{N}\cdot\text{m}$ Mw:5.8 Mj:5.8 (sec)
 mrr: 5.87 mtt:-0.93 mff:-4.93
 mrt: 0.92 mrf: 3.61 mtf:-2.46 ($\times 10^{17} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 19° 61° 84° P-axis:-7.10 114° 16°
 NP2:212° 30° 101° T-axis: 7.00 275° 73°
 N-axis: 0.20 22° 5°
 V.R.: 79% ϵ :-0.02 N:28 COMP:69

2020/05/13 07:04:24.0
 HIDA MOUNTAINS REGION
 Hypo.:36°15.6'N 137°37.6'E 2km



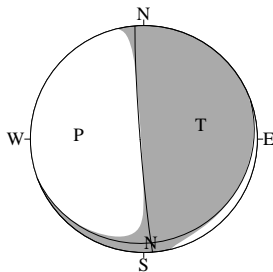
Cent.:36°20.4'N 137°37.6'E 12km $\Delta t = 0.9$
 Mo: $5.99 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.5 Mj:4.6 (sec)
 mrr:-0.14 mtt:-0.32 mff: 0.47
 mrt: 1.62 mrf: 0.36 mtf:-5.74 ($\times 10^{15} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1:272° 86° -164° P-axis:-6.03 138° 14°
 NP2:181° 74° -4° T-axis: 5.94 46° 8°
 N-axis: 0.08 286° 74°
 V.R.: 81% ϵ :-0.01 N:15 COMP:27

2020/05/13 10:28:32.2
 HIDA MOUNTAINS REGION
 Hypo.:36°15.7'N 137°38.1'E 3km



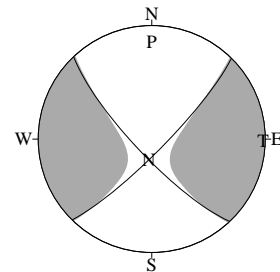
Cent.:36°14.5'N 137°38.5'E 10km $\Delta t = 0.4$
 Mo: $1.28 \times 10^{16} \text{N}\cdot\text{m}$ Mw:4.7 Mj:4.8 (sec)
 mrr: 0.14 mtt:-0.58 mff: 0.44
 mrt: 0.48 mrf:-0.23 mtf:-1.04 ($\times 10^{16} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1:195° 66° 8° P-axis:-1.29 150° 12°
 NP2:101° 83° 155° T-axis: 1.27 55° 22°
 N-axis: 0.01 267° 64°
 V.R.: 64% ϵ :-0.01 N:7 COMP:8

2020/05/13 14:56:29.9
 SW OFF HOKKAIDO
 Hypo.:42°42.3'N 139° 4.9'E 208km



Cent.:42°41.5'N 139° 4.9'E 213km $\Delta t = 1.5$
 Mo: $2.83 \times 10^{16} \text{N}\cdot\text{m}$ Mw:4.9 Mj:4.8 (sec)
 mrr: 0.18 mtt: 0.22 mff:-0.40
 mrt: 0.20 mrf:-2.78 mtf:-0.41 ($\times 10^{16} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 70° 9° 164° P-axis:-2.91 274° 42°
 NP2:176° 87° 81° T-axis: 2.76 76° 47°
 N-axis: 0.16 176° 9°
 V.R.: 87% ϵ :-0.05 N:14 COMP:21

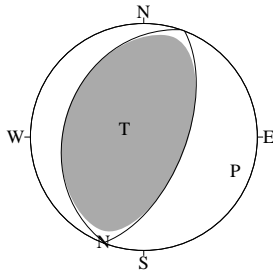
2020/05/17 20:38:26.5
 SE OFF SHIKOKU
 Hypo.:33°36.5'N 134°45.2'E 37km



Cent.:33°36.9'N 134°45.3'E 34km $\Delta t = 0.5$
 Mo: $9.46 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.6 Mj:4.6 (sec)
 mrr:-1.23 mtt:-8.56 mff: 9.79
 mrt:-2.10 mrf:-0.34 mtf: 0.19 ($\times 10^{15} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 45° 81° -12° P-axis:-9.12 0° 15°
 NP2:137° 78° -171° T-axis: 9.80 91° 2°
 N-axis:-0.68 188° 75°
 V.R.: 71% ϵ : 0.07 N:43 COMP:79

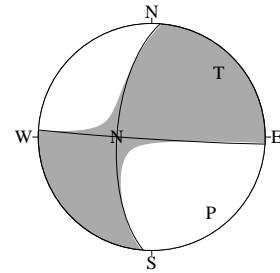
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2020/05/18 12:00:38.4
 E OFF MIYAGI PREF
 Hypo.:38°10.5'N 141°41.7'E 51km



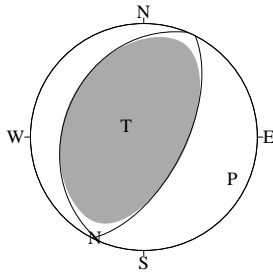
Cent.:38°11.4'N 141°41.7'E 60km $\Delta t = 3.3$
 Mo: $6.21 \times 10^{16} \text{N}\cdot\text{m}$ Mw:5.1 Mj:5.2 (sec)
 mrr: 5.51 mtt:-0.81 mff:-4.70
 mrt: 1.16 mrf: 2.83 mtf:-1.63 ($\times 10^{16} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 21° 60° 91° P-axis:-6.10 110° 15°
 NP2:199° 30° 88° T-axis: 6.32 294° 75°
 N-axis:-0.22 201° 1°
 V.R.: 83% ϵ : 0.03 N:15 COMP:40

2020/05/19 02:01:21.0
 HIDA MOUNTAINS REGION
 Hypo.:36°15.6'N 137°37.1'E 5km



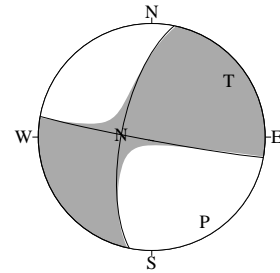
Cent.:36°16.9'N 137°37.1'E 10km $\Delta t = 2.3$
 Mo: $1.33 \times 10^{16} \text{N}\cdot\text{m}$ Mw:4.7 Mj:4.8 (sec)
 mrr: 0.09 mtt:-0.22 mff: 0.13
 mrt: 0.56 mrf:-0.02 mtf:-1.19 ($\times 10^{16} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 94° 88° 155° P-axis:-1.37 142° 16°
 NP2:184° 65° 2° T-axis: 1.29 46° 19°
 N-axis: 0.08 270° 65°
 V.R.: 82% ϵ :-0.06 N:19 COMP:41

2020/05/19 12:17:12.4
 E OFF FUKUSHIMA PREF
 Hypo.:37°30.8'N 141°25.5'E 50km



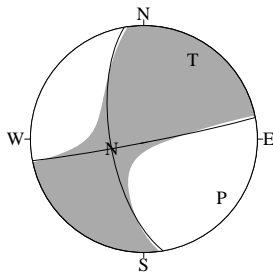
Cent.:37°31.9'N 141°25.5'E 59km $\Delta t = 3.4$
 Mo: $8.30 \times 10^{16} \text{N}\cdot\text{m}$ Mw:5.2 Mj:5.4 (sec)
 mrr: 7.37 mtt:-1.59 mff:-5.79
 mrt: 2.09 mrf: 3.69 mtf:-2.44 ($\times 10^{16} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 27° 60° 92° P-axis:-8.07 115° 15°
 NP2:203° 30° 86° T-axis: 8.54 303° 75°
 N-axis:-0.48 206° 2°
 V.R.: 82% ϵ : 0.06 N:12 COMP:26

2020/05/19 13:12:58.1
 HIDA MOUNTAINS REGION
 Hypo.:36°17.0'N 137°37.7'E 3km



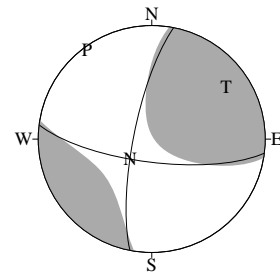
Cent.:36°18.1'N 137°37.6'E 10km $\Delta t = 2.6$
 Mo: $8.96 \times 10^{16} \text{N}\cdot\text{m}$ Mw:5.2 Mj:5.4 (sec)
 mrr: 0.70 mtt:-3.50 mff: 2.80
 mrt: 3.23 mrf:-0.68 mtf:-7.71 ($\times 10^{16} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1:191° 68° 3° P-axis:-9.23 148° 13°
 NP2:100° 88° 158° T-axis: 8.70 54° 17°
 N-axis: 0.52 274° 68°
 V.R.: 83% ϵ :-0.06 N:16 COMP:38

2020/05/19 14:23:31.0
 HIDA MOUNTAINS REGION
 Hypo.:36°17.6'N 137°37.7'E 3km



Cent.:36°18.9'N 137°37.6'E 10km $\Delta t = 3.2$
 Mo: $1.31 \times 10^{16} \text{N}\cdot\text{m}$ Mw:4.7 Mj:4.7 (sec)
 mrr: 0.16 mtt: 0.33 mff:-0.49
 mrt: 0.51 mrf: 0.13 mtf:-1.13 ($\times 10^{16} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 79° 87° 156° P-axis:-1.39 127° 15°
 NP2:170° 66° 3° T-axis: 1.24 32° 19°
 N-axis: 0.15 253° 66°
 V.R.: 84% ϵ :-0.11 N:14 COMP:31

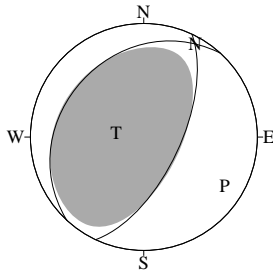
2020/05/19 16:55: 8.1
 HIDA MOUNTAINS REGION
 Hypo.:36°18.7'N 137°37.3'E 2km



Cent.:36°20.4'N 137°37.3'E 10km $\Delta t = 2.5$
 Mo: $1.46 \times 10^{16} \text{N}\cdot\text{m}$ Mw:4.7 Mj:4.7 (sec)
 mrr:-0.03 mtt:-0.41 mff: 0.44
 mrt: 0.33 mrf:-0.54 mtf:-1.27 ($\times 10^{16} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1:191° 77° 17° P-axis:-1.32 324° 3°
 NP2: 97° 73° 167° T-axis: 1.59 55° 21°
 N-axis:-0.27 227° 69°
 V.R.: 85% ϵ : 0.17 N:15 COMP:34

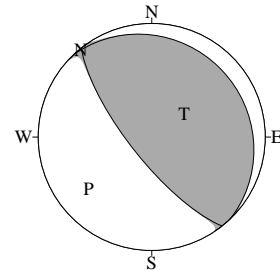
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2020/05/23 04:33: 7.2
 NEAR OKINAWAJIMA ISLAND
 Hypo.: 27°17.7'N 128°26.1'E 48km



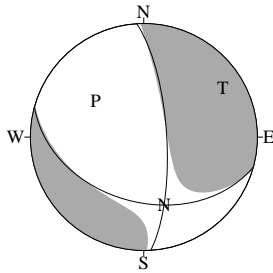
Cent.: 27° 1.6'N 128°25.9'E 46km $\Delta t = 2.0$
 Mo: 5.36×10^{16} N·m Mw: 5.1 Mj: 4.9 (sec)
 mrr: 4.44 mtt: -1.57 mff: -2.87
 mrt: 1.01 mrf: 3.11 mtf: -1.74 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 25° 64° 82° P-axis: -5.12 121° 18°
 NP2: 222° 27° 105° T-axis: 5.60 279° 70°
 N-axis: -0.48 29° 7°
 V.R.: 87% ϵ : 0.09 N:12 COMP:21

2020/05/23 16:42:46.5
 SE OFF KII PENINSULA
 Hypo.: 33°40.6'N 137°14.2'E 371km



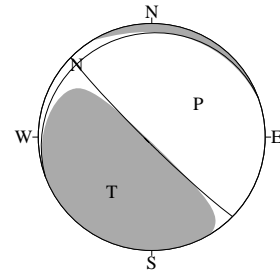
Cent.: 33°44.1'N 137°13.6'E 374km $\Delta t = 0.9$
 Mo: 2.42×10^{16} N·m Mw: 4.9 Mj: 4.8 (sec)
 mrr: 1.25 mtt: -0.53 mff: -0.72
 mrt: 1.27 mrf: -1.63 mtf: 0.64 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 142° 74° 91° P-axis: -2.44 231° 29°
 NP2: 317° 16° 85° T-axis: 2.41 54° 61°
 N-axis: 0.02 321° 1°
 V.R.: 84% ϵ : -0.01 N:47 COMP:76

2020/05/24 18:36:16.0
 NEAR TORISHIMA IS
 Hypo.: 31°32.6'N 140° 6.3'E 129km



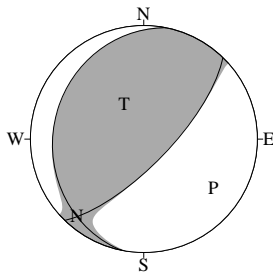
Cent.: 31°30.8'N 140° 6.5'E 130km $\Delta t = 0.8$
 Mo: 9.03×10^{16} N·m Mw: 5.2 Mj: 5.0 (sec)
 mrr: -3.85 mtt: 0.32 mff: 3.53
 mrt: -0.56 mrf: -5.74 mtf: -5.95 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 356° 74° -51° P-axis: -8.52 307° 46°
 NP2: 105° 42° -155° T-axis: 9.54 58° 19°
 N-axis: -1.01 163° 38°
 V.R.: 87% ϵ : 0.11 N:41 COMP:92

2020/05/25 07:31:29.8
 TAIWAN REGION
 Hypo.: 24°17.3'N 122° 1.5'E 27km



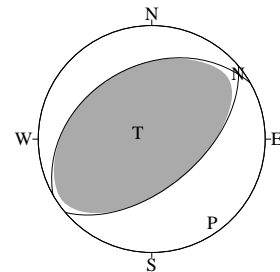
Cent.: 24°13.4'N 122° 1.6'E 15km $\Delta t = 1.6$
 Mo: 1.63×10^{16} N·m Mw: 4.7 Mj: 4.9 (sec)
 mrr: -0.16 mtt: 0.33 mff: -0.17
 mrt: -1.15 mrf: 1.11 mtf: -0.22 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 134° 86° -81° P-axis: -1.56 54° 48°
 NP2: 250° 10° -155° T-axis: 1.71 216° 40°
 N-axis: -0.15 314° 9°
 V.R.: 92% ϵ : 0.09 N:6 COMP:10

2020/05/26 14:57:55.3
 FAR SE OFF BOSO PEN
 Hypo.: 34° 2.4'N 141°40.8'E 13km



Cent.: 34° 5.2'N 141°42.8'E 10km $\Delta t = 0.6$
 Mo: 3.79×10^{16} N·m Mw: 5.0 Mj: 5.3 (sec)
 mrr: 2.13 mtt: -0.31 mff: -1.81
 mrt: 2.24 mrf: 2.02 mtf: -1.15 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 44° 72° 101° P-axis: -3.85 125° 26°
 NP2: 191° 21° 59° T-axis: 3.73 331° 61°
 N-axis: 0.12 221° 11°
 V.R.: 63% ϵ : -0.03 N:10 COMP:21

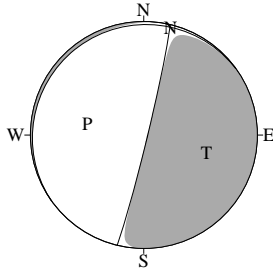
2020/05/27 18:19:50.8
 NEAR MIYAKOJIMA ISLAND
 Hypo.: 24°51.0'N 125°24.5'E 51km



Cent.: 24°43.5'N 125°24.4'E 55km $\Delta t = 3.6$
 Mo: 4.63×10^{16} N·m Mw: 5.0 Mj: 5.2 (sec)
 mrr: 4.39 mtt: -2.93 mff: -1.47
 mrt: 1.01 mrf: 1.25 mtf: -1.96 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 50° 55° 84° P-axis: -4.56 144° 10°
 NP2: 240° 35° 99° T-axis: 4.70 296° 79°
 N-axis: -0.14 53° 5°
 V.R.: 67% ϵ : 0.03 N:7 COMP:9

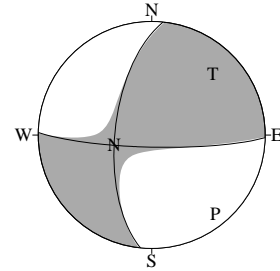
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2020/05/29 08:42:50.3
 TOKACHI REGION
 Hypo.:43° 3.1'N 143°17.8'E 104km



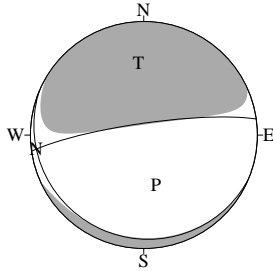
Cent.:43° 2.9'N 143°17.8'E 109km $\Delta t = 1.3$
 Mo: 1.37×10^{16} N·m Mw:4.7 Mj:4.5 (sec)
 mrr:-0.12 mtt: 0.01 mff: 0.11
 mrt:-0.32 mrf:-1.33 mtf: 0.09 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 14° 87° -93° P-axis:-1.36 281° 48°
 NP2:237° 4° -47° T-axis: 1.39 106° 42°
 N-axis:-0.03 14° 3°
 V.R.: 88% ϵ : 0.02 N:15 COMP:25

2020/05/29 19:05:14.9
 HIDA MOUNTAINS REGION
 Hypo.:36°15.7'N 137°38.4'E 4km



Cent.:36°16.5'N 137°38.4'E 10km $\Delta t = 4.7$
 Mo: 5.86×10^{16} N·m Mw:5.1 Mj:5.3 (sec)
 mrr: 1.02 mtt:-1.18 mff: 0.17
 mrt: 2.46 mrf:-0.64 mtf:-5.17 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 91° 81° 153° P-axis:-6.03 141° 12°
 NP2:186° 63° 10° T-axis: 5.69 45° 25°
 N-axis: 0.34 255° 62°
 V.R.: 82% ϵ :-0.06 N:36 COMP:93

2020/05/31 03:13:49.2
 SE OFF TOKACHI
 Hypo.:42°31.3'N 143°42.1'E 94km



Cent.:42°32.7'N 143°42.2'E 101km $\Delta t = 2.1$
 Mo: 3.00×10^{17} N·m Mw:5.6 Mj:5.6 (sec)
 mrr:-0.76 mtt: 1.05 mff:-0.29
 mrt: 2.87 mrf: 0.42 mtf:-0.09 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:113° 10° -59° P-axis:-2.90 166° 53°
 NP2:262° 82° -95° T-axis: 3.20 356° 36°
 N-axis:-0.20 263° 5°
 V.R.: 82% ϵ : 0.08 N:15 COMP:33

EQUAL AREA PROJECTON, LOWER HEMISPHERE.