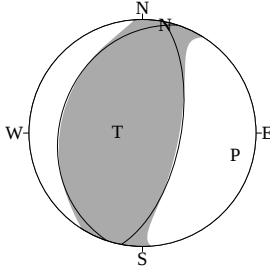


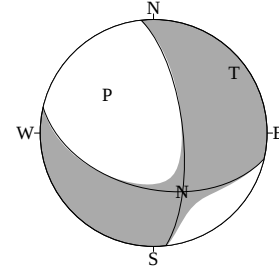
CMT SOLUTIONS FOR EARTHQUAKES IN JANUARY, 2020

2020/01/03 03:23:53.3
NEAR CHOSHI CITY
Hypo.:35°48.6'N 141° 6.9'E 34km



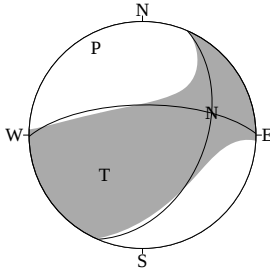
Cent.:35°50.3'N 141° 6.3'E 40km $\Delta t = 9.2$
Mo: 5.10×10^{17} N·m Mw:5.7 Mj:5.8 (sec)
mrr: 3.96 mtt: 0.20 mff:-4.16
mrt: 0.45 mrf: 2.90 mtf:-1.17 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 11° 62° 87° P-axis:-5.40 103° 17°
NP2:198° 28° 96° T-axis: 4.90 273° 72°
N-axis: 0.50 12° 3°
V.R.: 74% ϵ :-0.09 N:27 COMP:51

2020/01/03 10:19:10.4
OGA PENINSULA REGION
Hypo.:40° 8.9'N 139°29.1'E 204km



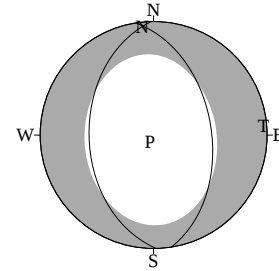
Cent.:40°14.1'N 139°29.1'E 204km $\Delta t = 0.8$
Mo: 1.62×10^{16} N·m Mw:4.7 Mj:4.8 (sec)
mrr:-0.74 mtt: 0.26 mff: 0.49
mrt:-0.39 mrf:-0.91 mtf:-1.10 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:354° 69° -44° P-axis:-1.67 310° 46°
NP2:103° 49° -152° T-axis: 1.56 53° 12°
N-axis: 0.10 154° 42°
V.R.: 80% ϵ :-0.06 N:30 COMP:52

2020/01/05 11:10:24.0
IOTO ISLANDS REGION
Hypo.:23° 4.8'N 142°59.5'E 171km



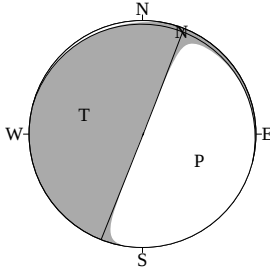
Cent.:22°55.0'N 143°10.8'E 111km $\Delta t = 1.7$
Mo: 7.07×10^{16} N·m Mw:5.2 Mj:5.8 (sec)
mrr: 3.78 mtt:-4.26 mff: 0.48
mrt:-3.66 mrf: 0.58 mtf:-4.66 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 23° 44° 32° P-axis:-7.83 332° 14°
NP2:269° 68° 130° T-axis: 6.31 224° 50°
N-axis: 1.52 72° 36°
V.R.: 74% ϵ :-0.19 N:39 COMP:70

2020/01/05 21:25:51.1
FAR E OFF MIYAZAKI PREF
Hypo.:31°27.2'N 133° 7.3'E 40km



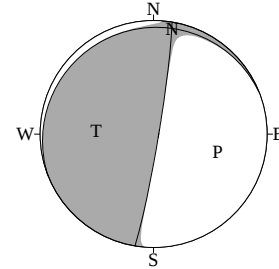
Cent.:31°17.2'N 133° 7.9'E 10km $\Delta t = 1.3$
Mo: 1.50×10^{16} N·m Mw:4.7 Mj:4.4 (sec)
mrr:-1.68 mtt: 0.38 mff: 1.30
mrt: 0.15 mrf:-0.12 mtf:-0.08 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:351° 48° -95° P-axis:-1.70 209° 85°
NP2:179° 43° -84° T-axis: 1.31 85° 3°
N-axis: 0.38 354° 4°
V.R.: 89% ϵ :-0.23 N:50 COMP:99

2020/01/06 09:20:51.0
NEAR AMAMI-OSHIMA ISLAND
Hypo.:29°10.9'N 130°29.2'E 68km



Cent.:29° 5.1'N 130°29.1'E 10km $\Delta t = 1.2$
Mo: 5.88×10^{16} N·m Mw:5.1 Mj:4.9 (sec)
mrr: 0.01 mtt:-0.13 mff: 0.12
mrt: 2.16 mrf: 5.46 mtf:-0.39 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 21° 90° 86° P-axis:-5.97 115° 44°
NP2:284° 4° 173° T-axis: 5.80 288° 45°
N-axis: 0.17 21° 4°
V.R.: 65% ϵ :-0.03 N:14 COMP:28

2020/01/08 11:57:48.4
E OFF FUKUSHIMA PREF
Hypo.:37° 9.1'N 141°59.6'E 41km

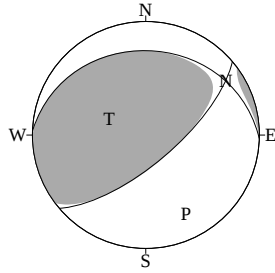


Cent.:37° 9.1'N 142° 0.1'E 10km $\Delta t = 0.6$
Mo: 1.52×10^{16} N·m Mw:4.7 Mj:4.7 (sec)
mrr: 0.18 mtt:-0.03 mff:-0.15
mrt: 0.24 mrf: 1.48 mtf:-0.19 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 9° 86° 84° P-axis:-1.54 105° 41°
NP2:248° 7° 149° T-axis: 1.51 273° 48°
N-axis: 0.03 10° 6°
V.R.: 69% ϵ :-0.02 N:30 COMP:40

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

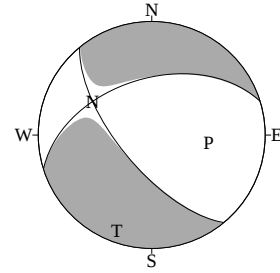
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf:Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG:Moment tensor component, azimuth and plunge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

2020/01/14 04:53:49.2
SW IBARAKI PREF
Hypo.:36° 4.6'N 139°53.0'E 46km



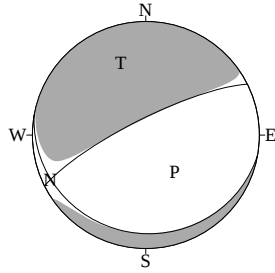
Cent.:36° 8.2'N 139°53.2'E 47km $\Delta t = 0.6$
Mo: 1.61×10^{16} N·m Mw:4.7 Mj:4.8 (sec)
mrr: 1.02 mtt: -1.02 mff: 0.00
mrt: 0.77 mrf: 0.90 mtf: -0.38 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 50° 70° 73° P-axis: -1.58 153° 23°
NP2: 272° 26° 129° T-axis: 1.64 294° 61°
N-axis: -0.06 56° 16°
V.R.: 69% ϵ : 0.03 N:47 COMP:78

2020/01/14 13:25:49.8
E OFF IBARAKI PREF
Hypo.:36° 7.3'N 140°52.5'E 52km



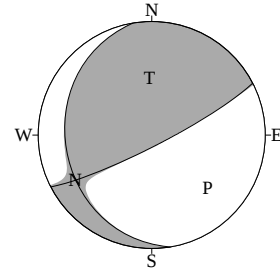
Cent.:35°59.4'N 140°52.9'E 48km $\Delta t = 1.1$
Mo: 1.54×10^{16} N·m Mw:4.7 Mj:4.9 (sec)
mrr: -0.81 mtt: 1.32 mff: -0.50
mrt: -0.18 mrf: 0.82 mtf: -0.61 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 141° 67° -46° P-axis: -1.51 98° 48°
NP2: 253° 49° -148° T-axis: 1.58 200° 11°
N-axis: -0.06 299° 40°
V.R.: 72% ϵ : 0.04 N:43 COMP:84

2020/01/15 20:31:36.4
OFF NEMURO PENINSULA
Hypo.:42°54.5'N 145° 7.0'E 91km



Cent.:42°52.8'N 145° 7.0'E 91km $\Delta t = 0.6$
Mo: 2.46×10^{16} N·m Mw:4.9 Mj:4.8 (sec)
mrr: -0.90 mtt: 1.08 mff: -0.18
mrt: 1.98 mrf: 1.05 mtf: 0.23 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 100° 14° -54° P-axis: -2.40 142° 56°
NP2: 243° 78° -99° T-axis: 2.52 341° 33°
N-axis: -0.11 245° 8°
V.R.: 84% ϵ : 0.04 N:23 COMP:40

2020/01/28 10:36: 4.2
OFF NEMURO PENINSULA
Hypo.:43°22.4'N 145°59.0'E 96km



Cent.:43°21.3'N 145°58.9'E 103km $\Delta t = 2.2$
Mo: 1.70×10^{17} N·m Mw:5.4 Mj:5.5 (sec)
mrr: 0.41 mtt: 0.20 mff: -0.61
mrt: 1.35 mrf: 0.61 mtf: -0.57 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 63° 82° 114° P-axis: -1.70 133° 33°
NP2: 170° 25° 19° T-axis: 1.70 358° 48°
N-axis: 0.00 240° 23°
V.R.: 85% ϵ : -0.02 N:15 COMP:32

EQUAL AREA PROJECTON, LOWER HEMISPHERE.