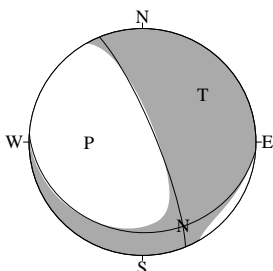


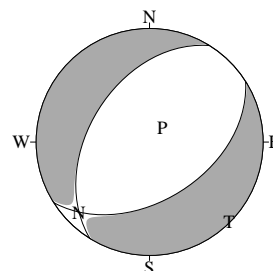
CMT SOLUTIONS FOR EARTHQUAKES IN APRIL, 2019

2019/04/05 18:56:51.0
NEAR TORISHIMA IS
Hypo.:30°23.8'N 139° 0.5'E 414km



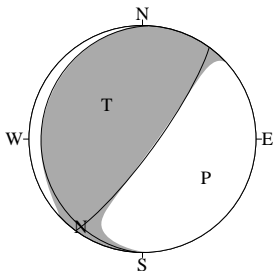
Cent.:30°22.4'N 138°58.8'E 402km $\Delta t = 0.5$
Mo: 9.00×10^{17} N·m Mw:5.9 Mj:5.9 (sec)
mrr:-3.14 mtt: 2.93 mff: 0.21
mrt: 2.24 mrf:-7.78 mtf:-2.62 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:338° 80° -71° P-axis:-9.40 269° 51°
NP2: 94° 21°-152° T-axis: 8.60 52° 33°
N-axis: 0.80 154° 19°
V.R.: 80% ϵ :-0.09 N:33 COMP:59

2019/04/08 13:12:40.7
NEAR OKINAWAJIMA ISLAND
Hypo.:26°18.4'N 129°34.3'E 45km



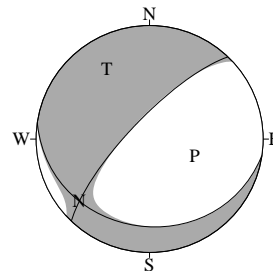
Cent.:26°10.7'N 129°34.2'E 10km $\Delta t = 4.0$
Mo: 2.30×10^{17} N·m Mw:5.5 Mj:5.6 (sec)
mrr:-2.16 mtt: 1.07 mff: 1.09
mrt:-0.41 mrf: 0.31 mtf: 1.23 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 58° 47° -72° P-axis:-2.30 41° 76°
NP2:212° 46°-109° T-axis: 2.30 135° 1°
N-axis: 0.00 225° 13°
V.R.: 85% ϵ : 0.01 N:26 COMP:65

2019/04/11 17:18:18.1
FAR E OFF SANRIKU
Hypo.:40°21.7'N 143°24.2'E 5km



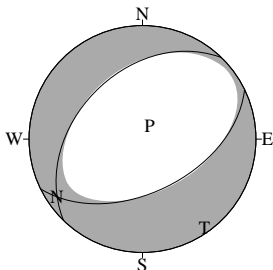
Cent.:40°18.5'N 143°23.1'E 19km $\Delta t = 11.8$
Mo: 2.33×10^{18} N·m Mw:6.2 Mj:6.2 (sec)
mrr: 0.70 mtt: 0.04 mff:-0.74
mrt: 1.30 mrf: 1.75 mtf:-0.38 ($\times 10^{18}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 36° 80° 96° P-axis:-2.40 121° 35°
NP2:183° 12° 57° T-axis: 2.26 314° 54°
N-axis: 0.14 215° 6°
V.R.: 71% ϵ :-0.06 N:25 COMP:42

2019/04/12 02:52:43.6
FAR S OFF OKINAWAJIMA
Hypo.:24°55.9'N 128° 9.3'E 82km



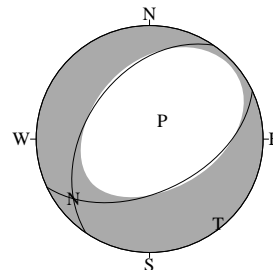
Cent.:24°48.1'N 128° 9.3'E 17km $\Delta t = 1.6$
Mo: 5.89×10^{16} N·m Mw:5.1 Mj:5.0 (sec)
mrr:-2.74 mtt: 3.16 mff:-0.42
mrt: 2.95 mrf: 3.95 mtf: 1.25 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 98° 24° -38° P-axis:-6.01 110° 55°
NP2:224° 76°-109° T-axis: 5.77 329° 28°
N-axis: 0.24 229° 19°
V.R.: 87% ϵ :-0.04 N:11 COMP:16

2019/04/12 04:53:45.3
NEAR MINAMI-DAITAJIMA IS
Hypo.:26°17.9'N 129°36.3'E 45km



Cent.:26° 8.4'N 129°36.1'E 10km $\Delta t = 1.6$
Mo: 2.80×10^{16} N·m Mw:4.9 Mj:4.9 (sec)
mrr:-2.76 mtt: 1.77 mff: 0.99
mrt:-0.72 mrf: 0.14 mtf: 1.22 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 64° 51° -77° P-axis:-2.90 27° 79°
NP2:224° 41°-105° T-axis: 2.70 145° 5°
N-axis: 0.20 236° 10°
V.R.: 85% ϵ :-0.07 N:18 COMP:38

2019/04/13 16:14:29.4
NEAR OKINAWAJIMA ISLAND
Hypo.:26°16.8'N 129°34.8'E 47km

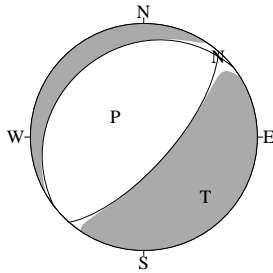


Cent.:26° 9.0'N 129°34.5'E 10km $\Delta t = 1.4$
Mo: 2.60×10^{16} N·m Mw:4.9 Mj:4.8 (sec)
mrr:-2.53 mtt: 1.42 mff: 1.11
mrt:-0.83 mrf: 0.40 mtf: 1.11 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 65° 51° -70° P-axis:-2.80 35° 74°
NP2:214° 43°-114° T-axis: 2.41 141° 4°
N-axis: 0.39 232° 16°
V.R.: 76% ϵ :-0.14 N:17 COMP:32

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

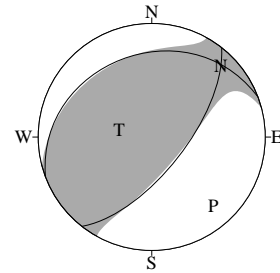
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf:Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG:Moment tensor component, azimuth and plunge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

2019/04/14 10:53:11.2
NEAR OKINAWAJIMA ISLAND
Hypo.:26°16.2'N 129°33.9'E 45km



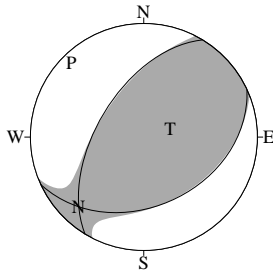
Cent.:26°10.6'N 129°33.9'E 10km $\Delta t = 5.6$
Mo: 6.14×10^{16} N·m Mw:5.1 Mj:5.2 (sec)
mrr:-3.91 mtt: 2.07 mff: 1.85
mrt:-2.96 mrf:-3.57 mtf: 2.17 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 41° 70° -94° P-axis:-6.05 305° 65°
NP2:232° 21° -80° T-axis: 6.24 134° 25°
N-axis:-0.19 43° 4°
V.R.: 85% ϵ : 0.03 N:17 COMP:38

2019/04/15 05:28:30.3
SE OFF TOKACHI
Hypo.:42°29.1'N 144°49.0'E 43km



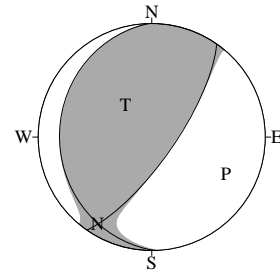
Cent.:42°25.5'N 144°49.3'E 38km $\Delta t = 2.4$
Mo: 4.57×10^{16} N·m Mw:5.0 Mj:5.1 (sec)
mrr: 3.08 mtt:-2.10 mff:-0.98
mrt: 1.60 mrf: 2.52 mtf:-2.17 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 38° 66° 76° P-axis:-4.81 138° 20°
NP2:249° 27° 118° T-axis: 4.33 283° 66°
N-axis: 0.47 44° 13°
V.R.: 81% ϵ :-0.10 N:24 COMP:40

2019/04/18 14:01: 6.4
TAIWAN REGION
Hypo.:24° 0.6'N 121°30.8'E 20km



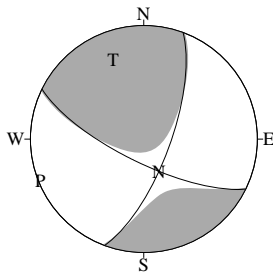
Cent.:24°13.6'N 121°31.2'E 24km $\Delta t = 4.7$
Mo: 2.12×10^{18} N·m Mw:6.2 Mj:6.5 (sec)
mrr: 1.78 mtt:-1.01 mff:-0.77
mrt:-0.08 mrf:-0.83 mtf:-1.19 ($\times 10^{18}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 65° 39° 118° P-axis:-2.18 316° 9°
NP2:211° 56° 69° T-axis: 2.05 73° 70°
N-axis: 0.13 223° 17°
V.R.: 76% ϵ :-0.06 N:10 COMP:24

2019/04/23 02:45:17.7
FAR E OFF SANRIKU
Hypo.:40°32.9'N 143°50.8'E 57km



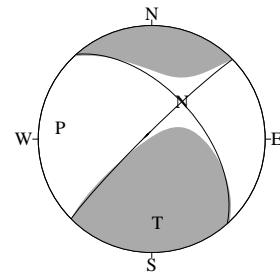
Cent.:40°32.7'N 143°50.9'E 14km $\Delta t = 8.3$
Mo: 1.80×10^{17} N·m Mw:5.4 Mj:5.6 (sec)
mrr: 0.91 mtt: 0.06 mff:-0.97
mrt: 0.92 mrf: 1.18 mtf:-0.37 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 35° 74° 101° P-axis:-1.80 116° 28°
NP2:179° 20° 55° T-axis: 1.80 321° 60°
N-axis: 0.10 212° 11°
V.R.: 81% ϵ :-0.04 N:34 COMP:80

2019/04/28 02:24:47.1
HIDAKA MOUNTAINS REGION
Hypo.:42°33.6'N 142°52.7'E 102km



Cent.:42°32.0'N 142°52.5'E 102km $\Delta t = 1.5$
Mo: 2.10×10^{17} N·m Mw:5.5 Mj:5.6 (sec)
mrr: 0.26 mtt: 1.22 mff:-1.48
mrt: 0.87 mrf: 0.29 mtf: 1.28 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 20° 71° 162° P-axis:-2.00 248° 2°
NP2:116° 73° 20° T-axis: 2.20 339° 26°
N-axis:-0.20 155° 64°
V.R.: 82% ϵ : 0.08 N:35 COMP:83

2019/04/29 14:24: 0.0
ENSYUNADA
Hypo.:34°32.5'N 137°34.5'E 319km



Cent.:34°32.5'N 137°33.8'E 319km $\Delta t = 0.6$
Mo: 1.04×10^{16} N·m Mw:4.6 Mj:4.8 (sec)
mrr: 0.03 mtt: 0.83 mff:-0.87
mrt:-0.52 mrf:-0.31 mtf:-0.03 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:225° 86° 146° P-axis:-0.98 277° 20°
NP2:318° 56° 5° T-axis: 1.09 176° 27°
N-axis:-0.11 39° 55°
V.R.: 82% ϵ : 0.10 N:10 COMP:13

EQUAL AREA PROJECTON, LOWER HEMISPHERE.