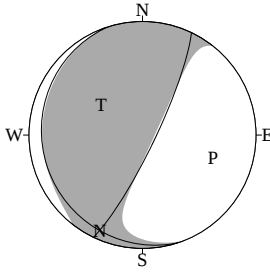


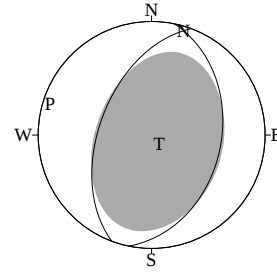
CMT SOLUTIONS FOR EARTHQUAKES IN APRIL, 2023

2023/04/01 00:29:39.2
E OFF AOMORI PREF
Hypo.:41° 9.3'N 142°51.9'E 28km



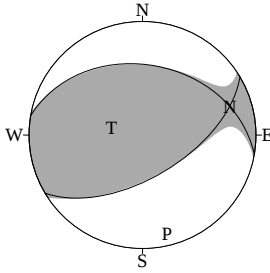
Cent.:41° 5.7'N 142°51.9'E 24km $\Delta t = 0.9$
Mo: 1.56×10^{16} N·m Mw:4.7 Mj:4.8 (sec)
mrr: 0.42 mtt: 0.19 mff:-0.61
mrt: 0.64 mrf: 1.32 mtf:-0.12 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 26° 81° 99° P-axis:-1.63 108° 35°
NP2:162° 13° 47° T-axis: 1.49 306° 53°
N-axis: 0.14 204° 8°
V.R.: 71% ϵ :-0.08 N:29 COMP:54

2023/04/01 18:41:12.7
OFF N NIIGATA PREF
Hypo.:38°18.0'N 138°51.2'E 28km



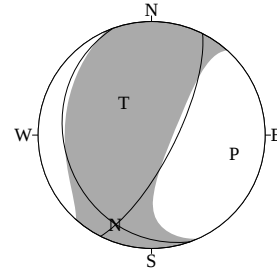
Cent.:38°18.0'N 138°51.2'E 28km $\Delta t = 0.6$
Mo: 1.30×10^{16} N·m Mw:4.7 Mj:4.9 (sec)
mrr: 1.35 mtt:-0.25 mff:-1.10
mrt:-0.20 mrf:-0.26 mtf:-0.26 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 12° 38° 83° P-axis:-1.20 287° 7°
NP2:200° 52° 95° T-axis: 1.39 138° 82°
N-axis:-0.19 17° 4°
V.R.: 58% ϵ : 0.13 N:30 COMP:52

2023/04/10 03:45:37.8
NW OFF ISHIGAKIJIMA IS
Hypo.:24°19.3'N 122°57.4'E 49km



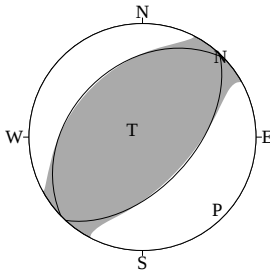
Cent.:24°17.1'N 122°57.4'E 49km $\Delta t = 1.9$
Mo: 2.45×10^{16} N·m Mw:4.9 Mj:5.0 (sec)
mrr: 1.93 mtt:-2.24 mff: 0.31
mrt: 0.69 mrf: 0.93 mtf:-0.51 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 59° 59° 66° P-axis:-2.51 166° 11°
NP2:280° 38° 124° T-axis: 2.39 284° 67°
N-axis: 0.12 72° 20°
V.R.: 88% ϵ :-0.05 N:7 COMP:13

2023/04/17 02:25: 7.4
E OFF FUKUSHIMA PREF
Hypo.:37°10.7'N 141°23.9'E 46km



Cent.:37°10.7'N 141°24.2'E 46km $\Delta t = 0.5$
Mo: 8.85×10^{15} N·m Mw:4.6 Mj:4.8 (sec)
mrr: 3.90 mtt: 2.57 mff:-6.48
mrt: 3.01 mrf: 6.24 mtf:-1.45 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 27° 73° 107° P-axis:-9.95 103° 26°
NP2:160° 24° 46° T-axis: 7.76 320° 59°
N-axis: 2.19 202° 16°
V.R.: 75% ϵ :-0.22 N:15 COMP:22

2023/04/27 16:43:40.5
NEAR OKINAWAJIMA ISLAND
Hypo.:26° 7.4'N 128°37.3'E 32km



Cent.:25°55.7'N 128°37.8'E 26km $\Delta t = 5.3$
Mo: 1.00×10^{17} N·m Mw:5.3 Mj:5.5 (sec)
mrr: 0.95 mtt:-0.46 mff:-0.49
mrt: 0.20 mrf: 0.24 mtf:-0.57 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 43° 54° 88° P-axis:-1.10 134° 9°
NP2:226° 36° 92° T-axis: 1.00 306° 81°
N-axis: 0.10 44° 1°
V.R.: 60% ϵ :-0.08 N:16 COMP:34

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