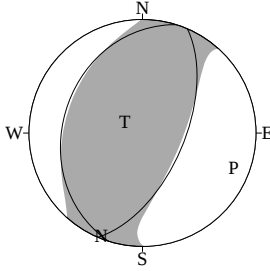


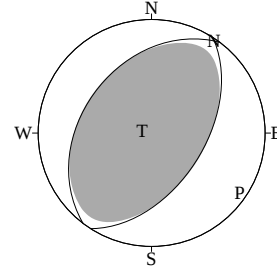
CMT SOLUTIONS FOR EARTHQUAKES IN FEBRUARY, 2023

2023/02/05 09:03:21.9
E OFF HACHIJOJIMA ISLAND
Hypo.:32°40.7'N 141°42.2'E 61km



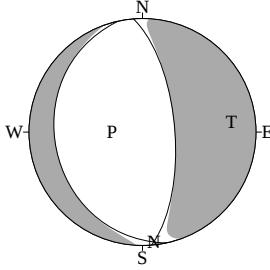
Cent.:32°46.8'N 141°42.4'E 12km $\Delta t = 6.0$
Mo: 7.20×10^{17} N·m Mw:5.8 Mj:5.9 (sec)
mrr: 5.77 mtt: 0.07 mff:-5.83
mrt: 1.53 mrf: 3.25 mtf:-2.57 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 23° 60° 93° P-axis:-7.70 111° 15°
NP2:197° 30° 85° T-axis: 6.70 302° 75°
N-axis: 1.00 202° 3°
V.R.: 75% ϵ :-0.13 N:32 COMP:83

2023/02/08 19:49:58.6
TAIWAN REGION
Hypo.:23°24.0'N 121°33.6'E 39km



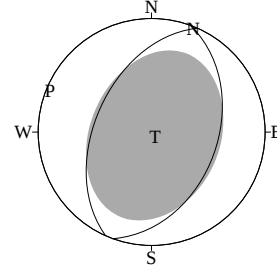
Cent.:23°26.4'N 121°32.9'E 40km $\Delta t = 0.8$
Mo: 5.21×10^{16} N·m Mw:5.1 Mj:5.0 (sec)
mrr: 5.18 mtt:-1.76 mff:-3.42
mrt: 0.51 mrf: 1.10 mtf:-2.23 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 33° 52° 87° P-axis:-5.11 124° 7°
NP2:217° 38° 93° T-axis: 5.32 287° 83°
N-axis:-0.22 34° 2°
V.R.: 79% ϵ : 0.04 N:7 COMP:13

2023/02/10 03:30:22.5
SOYA REGION
Hypo.:45° 3.3'N 141°43.7'E 287km



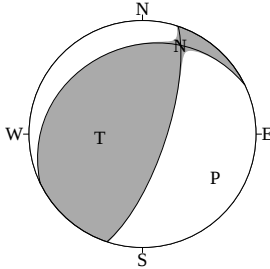
Cent.:45° 2.2'N 141°43.9'E 291km $\Delta t = 1.1$
Mo: 1.99×10^{16} N·m Mw:4.8 Mj:4.7 (sec)
mrr:-1.41 mtt:-0.03 mff: 1.44
mrt: 0.07 mrf:-1.36 mtf:-0.22 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:355° 67° -87° P-axis:-1.96 271° 68°
NP2:168° 23° -97° T-axis: 2.02 83° 22°
N-axis:-0.06 174° 3°
V.R.: 90% ϵ : 0.03 N:11 COMP:18

2023/02/13 10:02:42.5
E OFF FUKUSHIMA PREF
Hypo.:37°42.7'N 141°32.2'E 54km



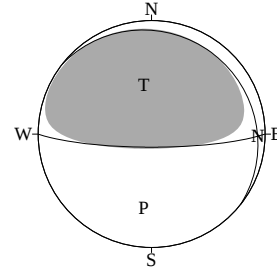
Cent.:37°42.7'N 141°32.5'E 54km $\Delta t = 0.6$
Mo: 1.27×10^{16} N·m Mw:4.7 Mj:4.8 (sec)
mrr: 1.39 mtt:-0.38 mff:-1.01
mrt:-0.11 mrf:-0.13 mtf:-0.30 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 20° 41° 87° P-axis:-1.14 292° 4°
NP2:204° 49° 92° T-axis: 1.40 138° 86°
N-axis:-0.26 22° 2°
V.R.: 78% ϵ : 0.19 N:39 COMP:55

2023/02/14 03:18:55.4
OFF NEMURO PENINSULA
Hypo.:42°29.0'N 145° 4.0'E 26km



Cent.:42°27.7'N 145° 4.3'E 24km $\Delta t = 0.6$
Mo: 1.04×10^{16} N·m Mw:4.6 Mj:4.7 (sec)
mrr: 0.55 mtt:-0.22 mff:-0.33
mrt: 0.18 mrf: 0.81 mtf:-0.40 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 18° 73° 73° P-axis:-1.04 121° 26°
NP2:244° 24° 133° T-axis: 1.04 265° 59°
N-axis: 0.01 23° 16°
V.R.: 82% ϵ :-0.01 N:16 COMP:28

2023/02/20 03:55:43.5
TOKACHI REGION
Hypo.:42°46.8'N 143°11.7'E 118km

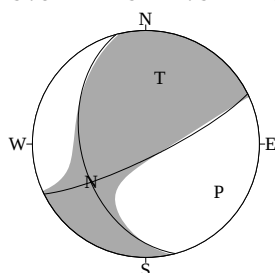


Cent.:42°43.8'N 143°11.7'E 119km $\Delta t = 0.6$
Mo: 2.20×10^{16} N·m Mw:4.8 Mj:4.9 (sec)
mrr: 0.79 mtt:-0.61 mff:-0.18
mrt: 2.07 mrf: 0.08 mtf: 0.27 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 90° 81° 83° P-axis:-2.11 186° 35°
NP2:308° 12° 128° T-axis: 2.30 351° 54°
N-axis:-0.18 91° 7°
V.R.: 85% ϵ : 0.08 N:21 COMP:30

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

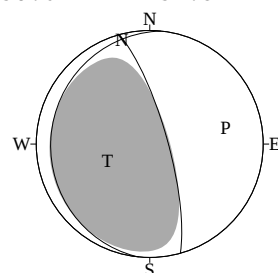
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf:Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG:Moment tensor component, azimuth and plunge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

2023/02/25 22:27:43.6
 OFF NEMURO PENINSULA
 Hypo.:42°45.3'N 145° 4.5'E 63km



Cent.:42°48.5'N 145° 3.1'E 61km $\Delta t = 8.5$
 Mo: 1.91×10^{18} N·m Mw:6.1 Mj:6.0 (sec)
 mrr: 0.52 mtt: 0.55 mff:-1.06
 mrt: 1.21 mrf: 0.53 mtf:-1.04 ($\times 10^{18}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 64° 80° 132° P-axis:-2.01 123° 24°
 NP2:165° 43° 15° T-axis: 1.80 12° 40°
 N-axis: 0.22 235° 41°
 V.R.: 74% ϵ :-0.11 N:18 COMP:41

2023/02/28 20:12:11.1
 E OFF HACHIJOJIMA ISLAND
 Hypo.:32°58.0'N 141°51.3'E 49km



Cent.:32°58.9'N 141°52.6'E 11km $\Delta t = 2.1$
 Mo: 1.10×10^{17} N·m Mw:5.3 Mj:5.6 (sec)
 mrr: 0.51 mtt:-0.07 mff:-0.44
 mrt:-0.29 mrf: 0.92 mtf: 0.01 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:344° 77° 85° P-axis:-1.00 78° 32°
 NP2:186° 14° 111° T-axis: 1.10 248° 57°
 N-axis:-0.10 345° 5°
 V.R.: 82% ϵ : 0.08 N:29 COMP:36

EQUAL AREA PROJECTON, LOWER HEMISPHERE.