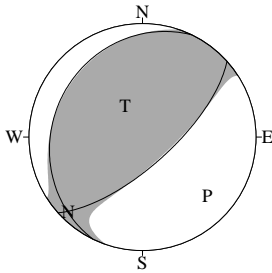


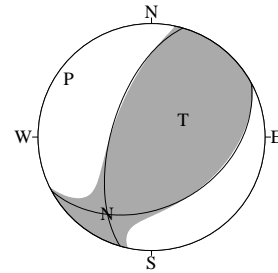
CMT SOLUTIONS FOR EARTHQUAKES IN DECEMBER, 2015

2015/12/02 07:48: 6.3
E OFF MIYAGI PREF
Hypo.:38°40.7'N 142°16.2'E 39km



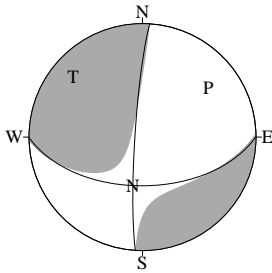
Cent.:38°43.2'N 142°16.7'E 40km $\Delta t = 0.4$
Mo: 9.49×10^{15} N·m Mw:4.6 Mj:4.6 (sec)
mrr: 5.81 mtt:-2.00 mff:-3.81
mrt: 5.55 mrf: 4.52 mtf:-3.61 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 48° 70° 98° P-axis:-9.79 132° 24°
NP2:206° 22° 69° T-axis: 9.19 331° 64°
N-axis: 0.60 225° 8°
V.R.: 82% ϵ :-0.06 N:19 COMP:24

2015/12/02 13:41:19.7
E OFF MIYAGI PREF
Hypo.:38°20.6'N 141°51.0'E 63km



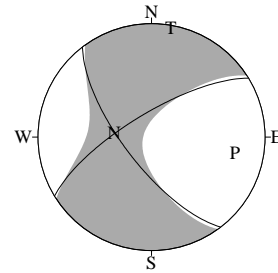
Cent.:38°20.6'N 141°51.1'E 63km $\Delta t = 0.4$
Mo: 5.05×10^{15} N·m Mw:4.4 Mj:4.6 (sec)
mrr: 3.73 mtt:-1.13 mff:-2.59
mrt: 0.17 mrf:-2.48 mtf:-2.92 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 61° 38° 128° P-axis:-5.27 305° 12°
NP2:196° 61° 64° T-axis: 4.83 61° 64°
N-axis: 0.44 210° 23°
V.R.: 75% ϵ :-0.08 N:28 COMP:34

2015/12/03 21:08:34.4
SW OFF KYUSHU
Hypo.:31°11.7'N 129°12.2'E 9km



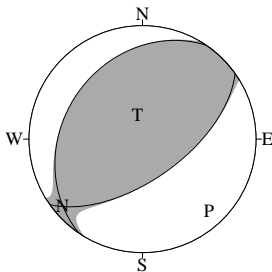
Cent.:31°11.7'N 129°12.6'E 10km $\Delta t = 3.5$
Mo: 6.81×10^{15} N·m Mw:4.5 Mj:4.4 (sec)
mrr:-1.10 mtt: 0.70 mff: 0.40
mrt: 0.23 mrf: 3.81 mtf: 5.59 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 90° 55° -7° P-axis:-6.45 53° 28°
NP2:184° 85°-144° T-axis: 7.17 311° 20°
N-axis:-0.73 191° 54°
V.R.: 82% ϵ : 0.10 N:18 COMP:20

2015/12/08 18:28: 3.9
NEAR TANEGASHIMA ISLAND
Hypo.:30°57.6'N 130°23.5'E 126km



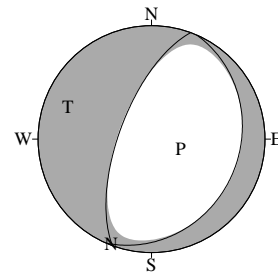
Cent.:30°57.6'N 130°23.5'E 126km $\Delta t = 0.5$
Mo: 1.00×10^{16} N·m Mw:4.6 Mj:4.4 (sec)
mrr:-0.09 mtt: 0.86 mff:-0.77
mrt: 0.12 mrf: 0.47 mtf:-0.32 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:239° 73°-159° P-axis:-1.07 101° 26°
NP2:142° 70° -18° T-axis: 0.92 10° 2°
N-axis: 0.15 276° 63°
V.R.: 72% ϵ :-0.14 N:27 COMP:48

2015/12/13 10:52:12.4
KURILE ISLANDS REGION
Hypo.:46°37.9'N 153° 1.3'E 30km



Cent.:46° 1.2'N 152°59.5'E 50km $\Delta t = 12.4$
Mo: 1.80×10^{17} N·m Mw:5.4 Mj:5.8 (sec)
mrr: 1.50 mtt:-0.74 mff:-0.76
mrt: 0.86 mrf: 0.43 mtf:-0.85 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 55° 61° 100° P-axis:-1.90 137° 15°
NP2:214° 31° 72° T-axis: 1.80 349° 72°
N-axis: 0.10 230° 9°
V.R.: 83% ϵ :-0.03 N:14 COMP:31

2015/12/20 09:10:24.1
FAR E OFF NORTH HONSHU
Hypo.:38°32.0'N 144°37.6'E 40km



Cent.:38°31.9'N 144°38.8'E 10km $\Delta t = 0.4$
Mo: 4.72×10^{15} N·m Mw:4.4 Mj:4.8 (sec)
mrr:-3.53 mtt: 0.63 mff: 2.90
mrt: 1.07 mrf: 3.05 mtf: 1.09 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 23° 23° -87° P-axis:-4.82 108° 68°
NP2:200° 67° -91° T-axis: 4.62 291° 22°
N-axis: 0.20 201° 1°
V.R.: 73% ϵ :-0.04 N:29 COMP:41

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