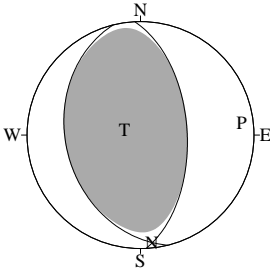


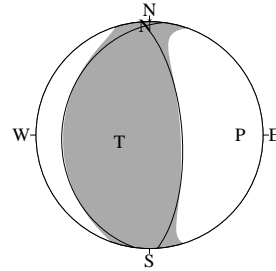
CMT SOLUTIONS FOR EARTHQUAKES IN JULY, 2015

2015/07/02 15:05:44.3
E OFF MIYAGI PREF
Hypo.:38°25.7'N 141°55.9'E 57km



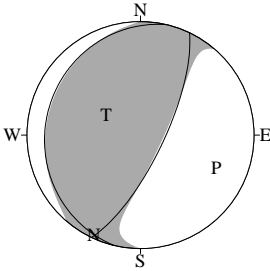
Cent.:38°25.7'N 141°56.2'E 57km $\Delta t = 0.6$
Mo: 1.31×10^{16} N·m Mw:4.7 Mj:4.7 (sec)
mrr: 1.23 mtt:-0.06 mff:-1.17
mrt: 0.06 mrf: 0.50 mtf: 0.17 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:357° 56° 96° P-axis:-1.29 83° 11°
NP2:166° 34° 81° T-axis: 1.34 288° 78°
N-axis:-0.05 174° 5°
V.R.: 74% ϵ : 0.04 N:48 COMP:66

2015/07/04 13:23:50.6
E OFF MIYAGI PREF
Hypo.:38°43.2'N 142°16.1'E 39km



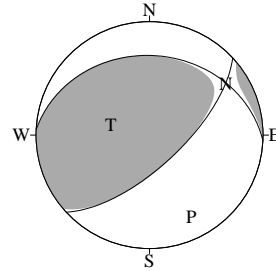
Cent.:38°41.8'N 142°16.5'E 39km $\Delta t = 0.6$
Mo: 1.13×10^{16} N·m Mw:4.6 Mj:4.7 (sec)
mrr: 0.78 mtt: 0.10 mff:-0.88
mrt:-0.08 mrf: 0.77 mtf:-0.02 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:356° 66° 86° P-axis:-1.18 90° 21°
NP2:187° 24° 100° T-axis: 1.09 258° 68°
N-axis: 0.09 358° 4°
V.R.: 77% ϵ :-0.08 N:41 COMP:56

2015/07/05 19:41:54.7
E OFF MIYAGI PREF
Hypo.:38°45.5'N 142°10.8'E 42km



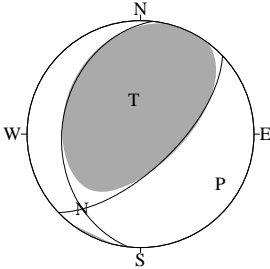
Cent.:38°45.5'N 142°11.4'E 42km $\Delta t = 0.5$
Mo: 5.63×10^{15} N·m Mw:4.4 Mj:4.5 (sec)
mrr: 2.87 mtt: 0.01 mff:-2.88
mrt: 2.08 mrf: 4.21 mtf:-1.24 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 26° 73° 94° P-axis:-5.85 113° 28°
NP2:193° 17° 78° T-axis: 5.41 301° 61°
N-axis: 0.44 205° 3°
V.R.: 73% ϵ :-0.07 N:27 COMP:36

2015/07/06 18:30:24.9
SW IBARAKI PREF
Hypo.:36° 4.1'N 139°51.8'E 46km



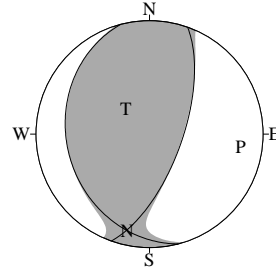
Cent.:36° 4.1'N 139°52.0'E 46km $\Delta t = 0.3$
Mo: 2.31×10^{15} N·m Mw:4.2 Mj:4.1 (sec)
mrr: 1.54 mtt:-1.58 mff: 0.04
mrt: 0.88 mrf: 1.30 mtf:-0.65 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 47° 68° 69° P-axis:-2.27 153° 20°
NP2:273° 31° 131° T-axis: 2.34 285° 61°
N-axis:-0.08 56° 20°
V.R.: 61% ϵ : 0.03 N:10 COMP:15

2015/07/07 14:10:26.7
E OFF HOKKAIDO
Hypo.:43°40.5'N 147°50.3'E 1km



Cent.:43°34.2'N 147°49.5'E 52km $\Delta t = 12.4$
Mo: 3.32×10^{18} N·m Mw:6.3 Mj:6.3 (sec)
mrr: 2.51 mtt:-0.36 mff:-2.15
mrt: 1.89 mrf: 0.97 mtf:-1.03 ($\times 10^{18}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 46° 65° 109° P-axis:-3.16 122° 18°
NP2:186° 31° 54° T-axis: 3.48 349° 65°
N-axis:-0.32 218° 18°
V.R.: 73% ϵ : 0.09 N:22 COMP:53

2015/07/09 17:27:38.8
NE OFF IWATE PREF
Hypo.:40° 7.0'N 142°25.7'E 36km

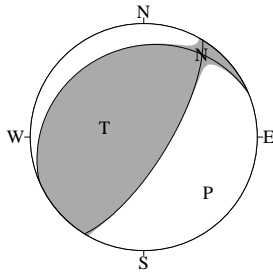


Cent.:40°18.3'N 142°25.8'E 44km $\Delta t = 6.2$
Mo: 0.98×10^{17} N·m Mw:5.3 Mj:5.1 (sec)
mrr: 0.68 mtt: 0.11 mff:-0.78
mrt: 0.30 mrf: 0.58 mtf:-0.05 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 20° 66° 106° P-axis:-1.00 98° 20°
NP2:165° 28° 58° T-axis: 0.97 317° 65°
N-axis: 0.04 193° 14°
V.R.: 74% ϵ :-0.04 N:25 COMP:44

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

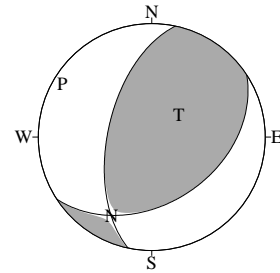
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf: Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG: Moment tensor component, azimuth and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

2015/07/10 01:15:13.8
 SW IBARAKI PREF
 Hypo.:36° 4.1'N 139°51.1'E 45km



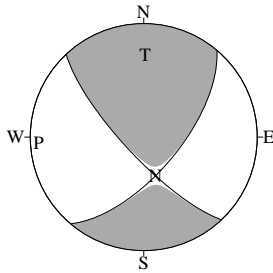
Cent.:36° 4.1'N 139°51.4'E 45km $\Delta t = 0.4$
 Mo: $4.72 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.4 Mj:4.4 (sec)
 mrr: 2.65 mtt:-1.55 mff:-1.10
 mrt: 1.71 mrf: 3.35 mtf:-1.69 ($\times 10^{15} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 31° 72° 78° P-axis:-4.76 131° 26°
 NP2:247° 22° 124° T-axis: 4.69 283° 61°
 N-axis: 0.08 35° 12°
 V.R.: 72% ϵ : -0.02 N:9 COMP:13

2015/07/10 03:32:51.2
 NORTHERN IWATE PREF
 Hypo.:40°21.2'N 141°33.5'E 88km



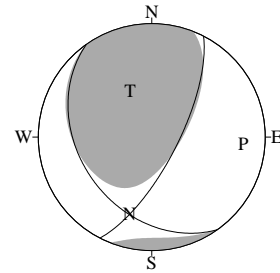
Cent.:40°18.9'N 141°34.6'E 83km $\Delta t = 3.8$
 Mo: $3.10 \times 10^{17} \text{N}\cdot\text{m}$ Mw:5.6 Mj:5.7 (sec)
 mrr: 2.46 mtt:-0.62 mff:-1.85
 mrt: 0.50 mrf:-1.35 mtf:-1.60 ($\times 10^{17} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 57° 41° 127° P-axis:-3.10 301° 9°
 NP2:192° 58° 62° T-axis: 3.10 51° 65°
 N-axis: 0.00 207° 23°
 V.R.: 78% ϵ : 0.01 N:23 COMP:56

2015/07/11 15:18:33.3
 HIDAKA REGION
 Hypo.:42°33.2'N 142°26.5'E 119km



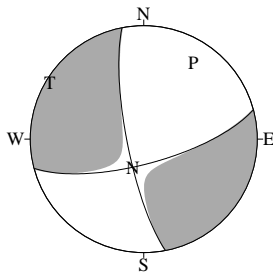
Cent.:42°33.2'N 142°26.5'E 119km $\Delta t = 0.4$
 Mo: $3.79 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.3 Mj:4.1 (sec)
 mrr: 0.74 mtt: 2.94 mff:-3.69
 mrt: 1.63 mrf:-0.50 mtf: 0.17 ($\times 10^{15} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 40° 65° 165° P-axis:-3.76 267° 8°
 NP2:137° 76° 26° T-axis: 3.81 1° 28°
 N-axis:-0.05 163° 61°
 V.R.: 71% ϵ : 0.01 N:10 COMP:14

2015/07/11 20:27: 1.3
 E OFF HOKKAIDO
 Hypo.:43°40.8'N 147°51.6'E 12km



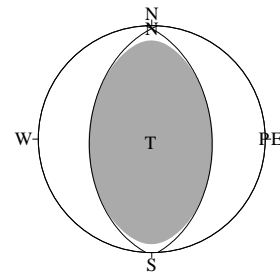
Cent.:43°54.3'N 147°52.2'E 55km $\Delta t = 2.1$
 Mo: $5.28 \times 10^{16} \text{N}\cdot\text{m}$ Mw:5.1 Mj:5.1 (sec)
 mrr: 2.83 mtt: 1.12 mff:-3.95
 mrt: 2.90 mrf: 2.65 mtf: 0.65 ($\times 10^{16} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 27° 71° 121° P-axis:-4.88 94° 20°
 NP2:145° 36° 33° T-axis: 5.67 335° 53°
 N-axis:-0.78 196° 30°
 V.R.: 70% ϵ : 0.14 N:15 COMP:31

2015/07/12 03:39:46.8
 NEAR OKINAWAJIMA ISLAND
 Hypo.:26° 2.0'N 128°18.3'E 47km



Cent.:25°59.2'N 128°18.3'E 23km $\Delta t = 3.1$
 Mo: $1.80 \times 10^{16} \text{N}\cdot\text{m}$ Mw:4.8 Mj:4.6 (sec)
 mrr:-0.29 mtt:-0.59 mff: 0.89
 mrt:-0.41 mrf: 0.42 mtf: 1.51 ($\times 10^{16} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 75° 72° -13° P-axis:-1.76 33° 21°
 NP2:169° 78° -162° T-axis: 1.84 301° 4°
 N-axis:-0.08 201° 68°
 V.R.: 71% ϵ : 0.04 N:10 COMP:13

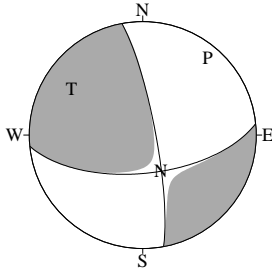
2015/07/12 08:16:29.1
 E OFF HACHIJOJIMA ISLAND
 Hypo.:33°14.8'N 141° 1.5'E 53km



Cent.:33°14.8'N 141° 2.4'E 53km $\Delta t = 0.6$
 Mo: $1.09 \times 10^{16} \text{N}\cdot\text{m}$ Mw:4.6 Mj:4.7 (sec)
 mrr: 1.11 mtt:-0.04 mff:-1.06
 mrt:-0.06 mrf: 0.03 mtf: 0.00 ($\times 10^{16} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1:357° 46° 86° P-axis:-1.06 90° 1°
 NP2:183° 44° 94° T-axis: 1.11 195° 87°
 N-axis:-0.05 360° 3°
 V.R.: 71% ϵ : 0.04 N:35 COMP:45

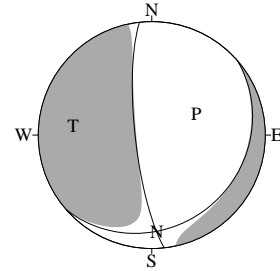
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2015/07/13 02:52: 5.9
SOUTHERN OITA PREF
Hypo.:32°59.5'N 131°51.3'E 58km



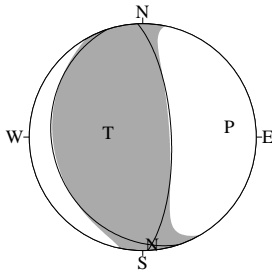
Cent.:32°55.5'N 131°51.4'E 46km $\Delta t = 5.0$
Mo: 2.10×10^{17} N·m Mw:5.5 Mj:5.7 (sec)
mrr: 0.27 mtt:-0.66 mff: 0.39
mrt: 0.16 mrf: 1.00 mtf: 1.76 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 84° 62° 10° P-axis:-2.10 40° 12°
NP2:349° 81° 152° T-axis: 2.10 303° 26°
N-axis:-0.10 153° 61°
V.R.: 78% ϵ : 0.03 N:16 COMP:26

2015/07/13 15:52:34.5
HYUGANADA REGION
Hypo.:31°24.6'N 131°52.6'E 43km



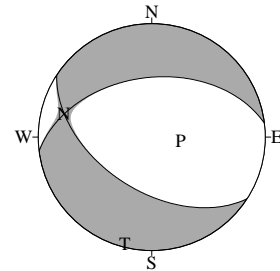
Cent.:31°24.6'N 131°52.6'E 20km $\Delta t = 0.5$
Mo: 8.60×10^{15} N·m Mw:4.6 Mj:4.3 (sec)
mrr:-3.09 mtt:-1.02 mff: 4.10
mrt:-1.08 mrf: 7.46 mtf: 1.93 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 49° 20° -36° P-axis:-8.29 64° 54°
NP2:174° 78° -107° T-axis: 8.90 277° 31°
N-axis:-0.61 177° 16°
V.R.: 73% ϵ : 0.07 N:16 COMP:22

2015/07/14 08:21:55.7
NEAR TORISHIMA IS
Hypo.:30°58.5'N 142°21.4'E 55km



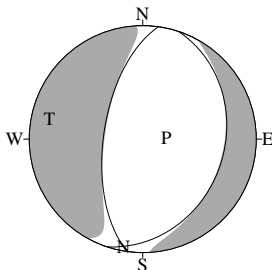
Cent.:30°44.5'N 142°22.6'E 10km $\Delta t = 1.3$
Mo: 3.89×10^{16} N·m Mw:5.0 Mj:4.7 (sec)
mrr: 2.37 mtt: 0.32 mff:-2.69
mrt:-0.05 mrf: 2.92 mtf: 0.51 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:357° 69° 96° P-axis:-4.07 83° 24°
NP2:162° 21° 76° T-axis: 3.71 277° 65°
N-axis: 0.36 175° 5°
V.R.: 80% ϵ :-0.09 N:23 COMP:45

2015/07/14 22:16:33.6
E OFF FUKUSHIMA PREF
Hypo.:37°18.6'N 141°49.0'E 43km



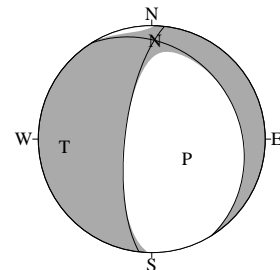
Cent.:37°18.6'N 141°49.2'E 43km $\Delta t = 0.6$
Mo: 1.18×10^{16} N·m Mw:4.6 Mj:4.7 (sec)
mrr:-1.03 mtt: 1.11 mff:-0.08
mrt: 0.00 mrf: 0.42 mtf:-0.29 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:123° 51° -62° P-axis:-1.19 97° 69°
NP2:263° 46° -120° T-axis: 1.18 194° 3°
N-axis: 0.01 285° 21°
V.R.: 75% ϵ :-0.01 N:25 COMP:32

2015/07/15 00:42:50.1
FAR E OFF NORTH HONSHU
Hypo.:39°23.1'N 144°33.7'E 45km



Cent.:39°23.1'N 144°35.1'E 10km $\Delta t = 0.5$
Mo: 7.15×10^{15} N·m Mw:4.5 Mj:4.5 (sec)
mrr:-5.72 mtt:-0.19 mff: 5.91
mrt: 0.30 mrf: 3.91 mtf: 1.46 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 18° 29° -81° P-axis:-6.91 86° 73°
NP2:188° 62° -95° T-axis: 7.39 282° 17°
N-axis:-0.48 190° 4°
V.R.: 78% ϵ : 0.06 N:28 COMP:41

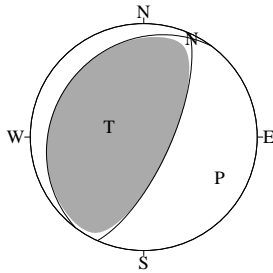
2015/07/15 17:01: 6.2
NEAR HACHIJOJIMA ISLAND
Hypo.:33°17.7'N 139°33.9'E 23km



Cent.:33°17.5'N 139°33.5'E 10km $\Delta t = 0.6$
Mo: 2.13×10^{16} N·m Mw:4.8 Mj:4.6 (sec)
mrr:-1.32 mtt:-0.02 mff: 1.34
mrt: 0.39 mrf: 1.58 mtf:-0.36 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:328° 24° -126° P-axis:-2.17 119° 61°
NP2:187° 71° -75° T-axis: 2.09 265° 24°
N-axis: 0.09 2° 14°
V.R.: 73% ϵ :-0.04 N:46 COMP:81

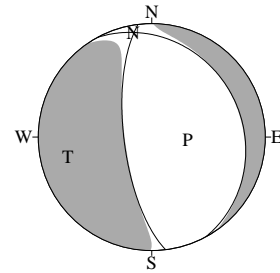
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2015/07/16 10:15: 8.8
 E OFF AOMORI PREF
 Hypo.:41°20.0'N 142°38.7'E 38km



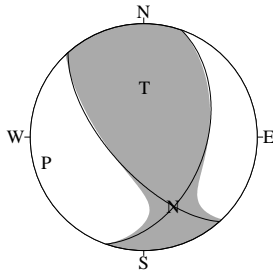
Cent.:41°21.0'N 142°39.0'E 38km $\Delta t = 0.7$
 Mo: 2.10×10^{16} N·m Mw:4.8 Mj:4.8 (sec)
 mrr: 1.35 mtt:-0.37 mff:-0.98
 mrt: 0.61 mrf: 1.51 mtf:-0.56 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 24° 70° 86° P-axis:-2.08 118° 25°
 NP2:217° 20° 102° T-axis: 2.13 287° 64°
 N-axis:-0.05 26° 4°
 V.R.: 63% ϵ : 0.02 N:30 COMP:43

2015/07/16 15:13:26.1
 NEAR HACHIJOJIMA ISLAND
 Hypo.:33°17.2'N 139°34.5'E 21km



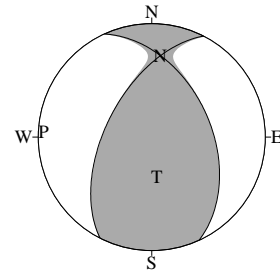
Cent.:33°14.0'N 139°34.6'E 11km $\Delta t = 0.8$
 Mo: 1.80×10^{16} N·m Mw:4.8 Mj:4.7 (sec)
 mrr:-1.11 mtt:-0.01 mff: 1.12
 mrt:-0.10 mrf: 1.37 mtf:-0.38 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:332° 21°-110° P-axis:-1.76 95° 64°
 NP2:173° 70° -82° T-axis: 1.85 257° 25°
 N-axis:-0.09 350° 7°
 V.R.: 67% ϵ : 0.05 N:36 COMP:45

2015/07/21 18:16:49.4
 SE OFF MIYAGI PREF
 Hypo.:37°50.1'N 141°41.9'E 65km



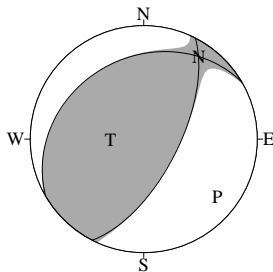
Cent.:37°51.4'N 141°41.9'E 66km $\Delta t = 1.0$
 Mo: 2.35×10^{16} N·m Mw:4.8 Mj:4.9 (sec)
 mrr: 1.42 mtt: 0.73 mff:-2.15
 mrt: 1.12 mrf:-0.53 mtf: 0.64 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 19° 44° 142° P-axis:-2.45 255° 12°
 NP2:138° 65° 52° T-axis: 2.25 1° 54°
 N-axis: 0.20 157° 34°
 V.R.: 83% ϵ :-0.08 N:32 COMP:67

2015/07/22 13:51:35.7
 E OFF HACHIJOJIMA ISLAND
 Hypo.:33°41.7'N 141° 4.8'E 57km



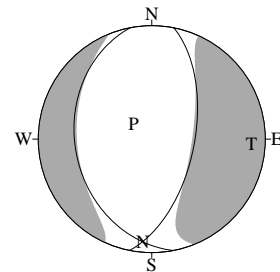
Cent.:33°44.2'N 141° 5.7'E 41km $\Delta t = 2.8$
 Mo: 4.18×10^{16} N·m Mw:5.0 Mj:5.0 (sec)
 mrr: 3.13 mtt: 1.02 mff:-4.15
 mrt:-1.74 mrf:-0.61 mtf:-0.12 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:335° 47° 49° P-axis:-4.21 273° 5°
 NP2:207° 57° 125° T-axis: 4.14 173° 61°
 N-axis: 0.07 6° 29°
 V.R.: 80% ϵ :-0.02 N:26 COMP:39

2015/07/23 18:43:21.0
 S OFF URAKAWA
 Hypo.:41°58.4'N 142°32.6'E 65km



Cent.:41°58.4'N 142°32.7'E 65km $\Delta t = 0.5$
 Mo: 8.67×10^{15} N·m Mw:4.6 Mj:4.5 (sec)
 mrr: 6.28 mtt:-2.86 mff:-3.42
 mrt: 1.68 mrf: 5.20 mtf:-3.96 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 27° 65° 75° P-axis:-8.80 128° 19°
 NP2:240° 29° 119° T-axis: 8.54 269° 66°
 N-axis: 0.26 34° 14°
 V.R.: 75% ϵ :-0.03 N:28 COMP:43

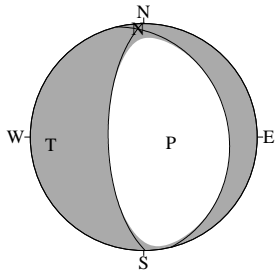
2015/07/23 21:51:50.2
 FAR E OFF NORTH HONSHU
 Hypo.:37°10.6'N 144°30.1'E 72km



Cent.:37° 6.5'N 144°31.5'E 32km $\Delta t = 0.8$
 Mo: 2.20×10^{16} N·m Mw:4.8 Mj:4.8 (sec)
 mrr:-1.75 mtt:-0.39 mff: 2.14
 mrt:-0.34 mrf:-0.97 mtf: 0.05 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 11° 59° -78° P-axis:-2.04 311° 73°
 NP2:169° 33°-109° T-axis: 2.37 93° 13°
 N-axis:-0.34 185° 10°
 V.R.: 82% ϵ : 0.14 N:38 COMP:60

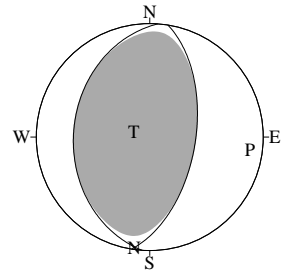
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2015/07/24 17:53:35.4
 BUNGO CHANNEL
 Hypo.: 33°23.3'N 132°23.5'E 44km



Cent.: 33°20.2'N 132°23.3'E 44km $\Delta t = 0.9$
 Mo: 1.01×10^{16} N·m Mw: 4.6 Mj: 4.6 (sec)
 mrr: -0.80 mtt: 0.03 mff: 0.77
 mrt: 0.04 mrf: 0.63 mtf: -0.10 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 346° 26° -102° P-axis: -1.02 101° 70°
 NP2: 179° 64° -84° T-axis: 0.99 265° 19°
 N-axis: 0.03 357° 5°
 V.R.: 81% ϵ : -0.03 N: 42 COMP: 67

2015/07/25 04:30:57.0
 NEAR CHOSHI CITY
 Hypo.: 35°34.5'N 141° 2.7'E 38km



Cent.: 35°40.6'N 141° 2.4'E 43km $\Delta t = 7.8$
 Mo: 3.66×10^{16} N·m Mw: 5.0 Mj: 4.7 (sec)
 mrr: 3.41 mtt: -0.16 mff: -3.25
 mrt: 0.34 mrf: 1.44 mtf: -0.36 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 9° 57° 93° P-axis: -3.60 97° 12°
 NP2: 184° 33° 86° T-axis: 3.73 288° 78°
 N-axis: -0.13 188° 2°
 V.R.: 77% ϵ : 0.03 N: 44 COMP: 80

EQUAL AREA PROJECTON, LOWER HEMISPHERE.