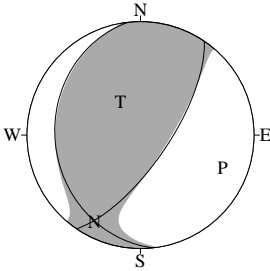


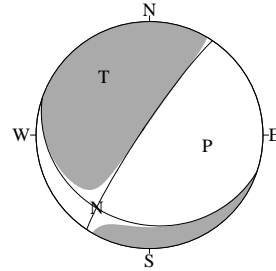
CMT SOLUTIONS FOR EARTHQUAKES IN OCTOBER, 2014

2014/10/03 09:57:30.0  
NE OFF IWATE PREF  
Hypo.:40° 9.9'N 142°37.6'E 28km



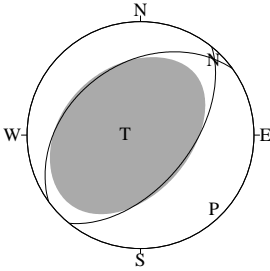
Cent.:40°18.1'N 142°37.2'E 35km  $\Delta t = 7.5$   
Mo:  $3.20 \times 10^{17}$ N·m Mw:5.6 Mj:5.7 (sec)  
mrr: 1.87 mtt: 0.30 mff:-2.17  
mrt: 1.49 mrf: 1.81 mtf:-0.75 ( $\times 10^{17}$ N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 34° 70° 106° P-axis:-3.30 112° 23°  
NP2:174° 26° 52° T-axis: 3.10 329° 62°  
N-axis: 0.20 208° 15°  
V.R.: 73%  $\epsilon$ :-0.07 N:23 COMP:39

2014/10/04 09:34: 0.7  
SE OFF ETOROFU  
Hypo.:44°12.9'N 148° 5.8'E 94km



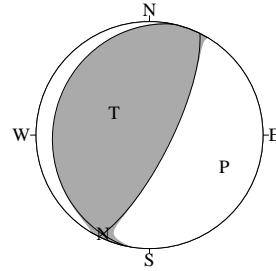
Cent.:44°12.9'N 148° 6.2'E 94km  $\Delta t = 0.7$   
Mo:  $2.13 \times 10^{16}$ N·m Mw:4.8 Mj:4.8 (sec)  
mrr:-0.38 mtt: 0.81 mff:-0.43  
mrt: 1.05 mrf: 1.62 mtf: 0.56 ( $\times 10^{16}$ N·m)  
STR DIP SLIP MOM AZM PLG  
NP1:109° 22° -16° P-axis:-2.07 101° 47°  
NP2:214° 84°-112° T-axis: 2.18 322° 35°  
N-axis:-0.11 216° 22°  
V.R.: 87%  $\epsilon$ : 0.05 N:20 COMP:31

2014/10/08 03:08: 9.2  
TAIWAN REGION  
Hypo.:23°37.8'N 121°35.0'E 31km



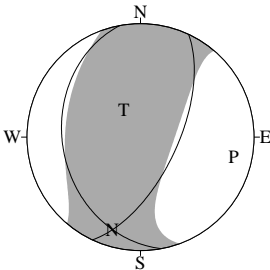
Cent.:23°23.2'N 121°35.2'E 36km  $\Delta t = 2.0$   
Mo:  $2.21 \times 10^{16}$ N·m Mw:4.8 Mj:4.8 (sec)  
mrr: 2.25 mtt:-1.19 mff:-1.06  
mrt: 0.21 mrf: 0.70 mtf:-0.81 ( $\times 10^{16}$ N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 39° 54° 81° P-axis:-2.03 135° 9°  
NP2:234° 37° 103° T-axis: 2.39 273° 79°  
N-axis:-0.36 44° 8°  
V.R.: 59%  $\epsilon$ : 0.15 N:8 COMP:14

2014/10/11 11:35:46.4  
E OFF AOMORI PREF  
Hypo.:40°57.1'N 143°14.6'E 36km



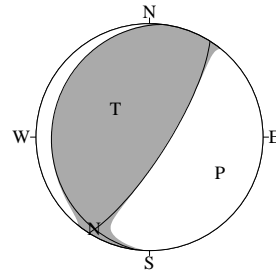
Cent.:41° 0.1'N 143°14.8'E 31km  $\Delta t = 7.5$   
Mo:  $1.26 \times 10^{18}$ N·m Mw:6.0 Mj:6.1 (sec)  
mrr: 0.64 mtt:-0.05 mff:-0.59  
mrt: 0.50 mrf: 0.96 mtf:-0.22 ( $\times 10^{18}$ N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 26° 75° 94° P-axis:-1.27 113° 29°  
NP2:192° 16° 76° T-axis: 1.26 302° 60°  
N-axis: 0.02 205° 4°  
V.R.: 63%  $\epsilon$ :-0.01 N:21 COMP:43

2014/10/11 14:20:35.5  
E OFF AOMORI PREF  
Hypo.:40°55.2'N 143°17.4'E 34km



Cent.:41° 4.2'N 143°14.4'E 35km  $\Delta t = 11.3$   
Mo:  $1.90 \times 10^{17}$ N·m Mw:5.5 Mj:5.6 (sec)  
mrr: 1.25 mtt: 0.57 mff:-1.82  
mrt: 0.49 mrf: 0.94 mtf:-0.44 ( $\times 10^{17}$ N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 25° 63° 108° P-axis:-2.20 102° 17°  
NP2:169° 32° 58° T-axis: 1.60 329° 67°  
N-axis: 0.60 197° 16°  
V.R.: 73%  $\epsilon$ :-0.25 N:17 COMP:24

2014/10/15 03:08:44.2  
E OFF AOMORI PREF  
Hypo.:40°51.9'N 143°23.8'E 35km

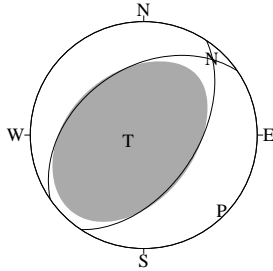


Cent.:40°57.6'N 143°24.1'E 22km  $\Delta t = 5.6$   
Mo:  $4.32 \times 10^{16}$ N·m Mw:5.0 Mj:5.0 (sec)  
mrr: 1.86 mtt:-0.05 mff:-1.81  
mrt: 2.12 mrf: 3.20 mtf:-0.76 ( $\times 10^{16}$ N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 32° 77° 96° P-axis:-4.39 117° 31°  
NP2:187° 15° 65° T-axis: 4.25 310° 58°  
N-axis: 0.14 211° 6°  
V.R.: 70%  $\epsilon$ :-0.03 N:17 COMP:25

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

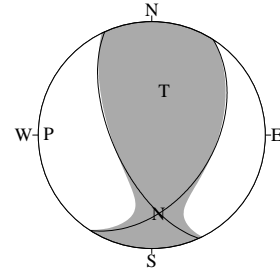
Hypo.:Location of hypocenter, Cent.:Location of centroid,  $\Delta t$ :Centroid time minus origin time  
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude  
mrr,mtt,mff,mrt,mrf,mtf: Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane  
MOM,AZM,PLG: Moment tensor component,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

2014/10/15 07:52:10.8  
NEAR OKINAWAJIMA ISLAND  
Hypo.: 26°17.3'N 127°21.6'E 46km



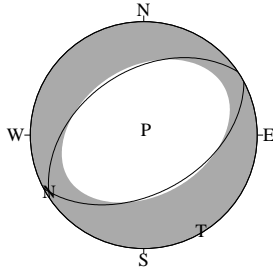
Cent.: 25°52.0'N 127°24.2'E 44km  $\Delta t = 1.0$   
Mo:  $7.28 \times 10^{16}$  N·m Mw: 5.2 Mj: 5.1 (sec)  
mrr: 7.29 mtt: -3.65 mff: -3.65  
mrt: -0.24 mrf: 2.10 mtf: -3.04 ( $\times 10^{16}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 34° 51° 76° P-axis: -6.81 134° 5°  
NP2: 235° 41° 107° T-axis: 7.74 250° 78°  
N-axis: -0.93 42° 11°  
V.R.: 73%  $\epsilon$ : 0.12 N:19 COMP:26

2014/10/15 12:51:16.5  
KINKAZAN REGION  
Hypo.: 38°32.7'N 141°37.4'E 64km



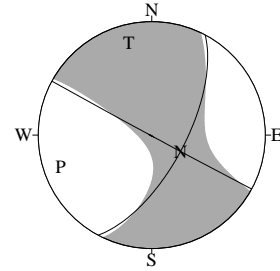
Cent.: 38°32.7'N 141°37.5'E 64km  $\Delta t = 0.6$   
Mo:  $1.12 \times 10^{16}$  N·m Mw: 4.6 Mj: 4.6 (sec)  
mrr: 0.74 mtt: 0.36 mff: -1.10  
mrt: 0.43 mrf: -0.33 mtf: -0.09 ( $\times 10^{16}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 33° 45° 138° P-axis: -1.16 271° 10°  
NP2: 156° 62° 54° T-axis: 1.07 16° 57°  
N-axis: 0.09 175° 31°  
V.R.: 73%  $\epsilon$ : -0.07 N:55 COMP:71

2014/10/16 08:53: 3.1  
E OFF HACHIJOJIMA ISLAND  
Hypo.: 32° 7.0'N 140°49.1'E 9km



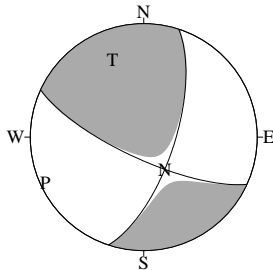
Cent.: 31°44.1'N 140°48.9'E 72km  $\Delta t = 0.6$   
Mo:  $2.90 \times 10^{17}$  N·m Mw: 5.6 Mj: 5.7 (sec)  
mrr: -3.17 mtt: 2.11 mff: 1.07  
mrt: -0.28 mrf: 0.05 mtf: 0.98 ( $\times 10^{17}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 62° 47° -86° P-axis: -3.20 23° 86°  
NP2: 236° 43° -94° T-axis: 2.70 149° 2°  
N-axis: 0.50 239° 3°  
V.R.: 87%  $\epsilon$ : -0.15 N:31 COMP:57

2014/10/18 02:41:27.8  
NW OFF AMAMI-OSHIMA IS  
Hypo.: 29°39.2'N 128°22.4'E 26km



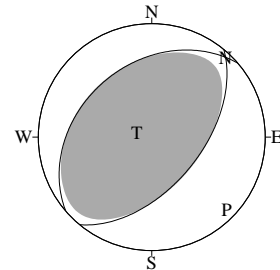
Cent.: 29°35.9'N 128°25.2'E 10km  $\Delta t = 8.9$   
Mo:  $7.02 \times 10^{16}$  N·m Mw: 5.2 Mj: 5.3 (sec)  
mrr: 0.89 mtt: 4.84 mff: -5.73  
mrt: 2.22 mrf: -1.82 mtf: 3.66 ( $\times 10^{16}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 28° 66° 179° P-axis: -7.57 251° 16°  
NP2: 118° 89° 24° T-axis: 6.47 346° 17°  
N-axis: 1.10 120° 66°  
V.R.: 73%  $\epsilon$ : -0.15 N:18 COMP:41

2014/10/18 03:45: 5.5  
NW OFF AMAMI-OSHIMA IS  
Hypo.: 29°38.3'N 128°24.8'E 28km



Cent.: 29°43.7'N 128°24.7'E 10km  $\Delta t = 5.1$   
Mo:  $1.72 \times 10^{16}$  N·m Mw: 4.8 Mj: 4.6 (sec)  
mrr: 0.31 mtt: 0.88 mff: -1.19  
mrt: 0.74 mrf: 0.17 mtf: 1.12 ( $\times 10^{16}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 18° 68° 163° P-axis: -1.69 245° 5°  
NP2: 115° 74° 23° T-axis: 1.75 338° 27°  
N-axis: -0.07 147° 62°  
V.R.: 72%  $\epsilon$ : 0.04 N:10 COMP:19

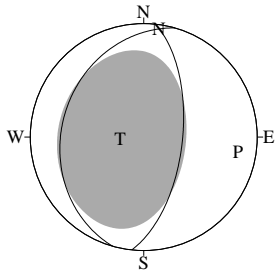
2014/10/22 09:15:17.4  
NEAR OKINAWAJIMA ISLAND  
Hypo.: 27°26.5'N 128°34.1'E 51km



Cent.: 27° 8.1'N 128°35.9'E 52km  $\Delta t = 4.4$   
Mo:  $4.90 \times 10^{17}$  N·m Mw: 5.7 Mj: 5.6 (sec)  
mrr: 4.74 mtt: -2.33 mff: -2.40  
mrt: 0.78 mrf: 1.45 mtf: -2.15 ( $\times 10^{17}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 39° 55° 84° P-axis: -4.80 134° 9°  
NP2: 229° 36° 98° T-axis: 5.00 287° 79°  
N-axis: -0.30 43° 5°  
V.R.: 77%  $\epsilon$ : 0.05 N:25 COMP:46

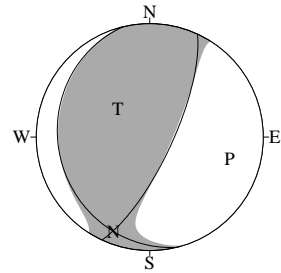
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2014/10/27 15:36:24.5  
 SOUTHERN IBARAKI PREF  
 Hypo.:35°55.0'N 140° 6.6'E 61km



Cent.:35°55.0'N 140° 7.3'E 61km  $\Delta t = 0.5$   
 Mo:  $9.51 \times 10^{15}$  N·m Mw:4.6 Mj:4.4 (sec)  
 mrr: 8.75 mtt:-1.97 mff:-6.78  
 mrt: 0.00 mrf: 5.34 mtf:-1.11 ( $\times 10^{15}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 6° 62° 85° P-axis:-8.61 99° 17°  
 NP2:196° 28° 99° T-axis:10.42 265° 73°  
 N-axis:-1.81 8° 4°  
 V.R.: 75%  $\epsilon$ : 0.17 N:25 COMP:35

2014/10/31 15:33:32.6  
 NE OFF IWATE PREF  
 Hypo.:40° 9.2'N 142°24.0'E 35km



Cent.:40° 8.2'N 142°24.2'E 36km  $\Delta t = 0.7$   
 Mo:  $2.20 \times 10^{16}$  N·m Mw:4.8 Mj:4.8 (sec)  
 mrr: 1.08 mtt: 0.26 mff:-1.34  
 mrt: 0.84 mrf: 1.61 mtf:-0.22 ( $\times 10^{16}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 25° 74° 103° P-axis:-2.28 105° 28°  
 NP2:166° 20° 53° T-axis: 2.13 312° 59°  
 N-axis: 0.16 201° 12°  
 V.R.: 73%  $\epsilon$ :-0.07 N:22 COMP:32

EQUAL AREA PROJECTON, LOWER HEMISPHERE.