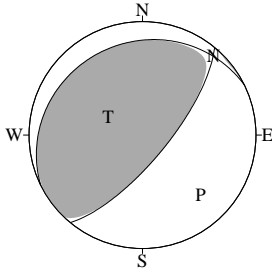


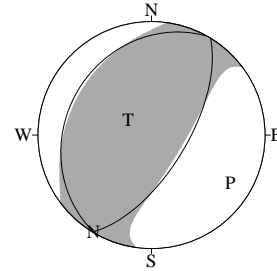
CMT SOLUTIONS FOR EARTHQUAKES IN APRIL, 2016

2016/04/01 11:39: 7.8  
SE OFF KII PENINSULA  
Hypo.:33°19.4'N 136°22.9'E 29km



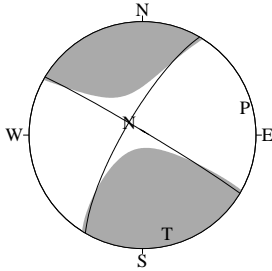
Cent.:33°15.7'N 136°24.7'E 12km  $\Delta t = 4.4$   
Mo:  $6.20 \times 10^{17}$  N·m  $M_w: 5.8$   $M_j: 6.5$  (sec)  
mrr: 3.63 mtt: -2.28 mff: -1.36  
mrt: 2.99 mrf: 4.07 mtf: -1.84 ( $\times 10^{17}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 39° 72° 82° P-axis: -6.20 136° 27°  
NP2: 244° 19° 113° T-axis: 6.30 298° 62°  
N-axis: -0.10 42° 7°  
V.R.: 68%  $\epsilon: 0.02$  N:27 COMP:47

2016/04/13 04:04:44.6  
NEAR AMAMI-OSHIMA ISLAND  
Hypo.:29°14.8'N 130°36.3'E 60km



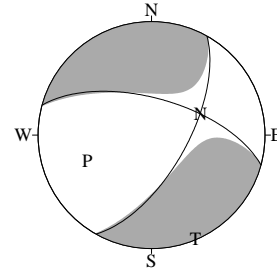
Cent.:29°14.8'N 130°36.4'E 20km  $\Delta t = 0.6$   
Mo:  $1.05 \times 10^{16}$  N·m  $M_w: 4.6$   $M_j: 4.5$  (sec)  
mrr: 0.72 mtt: -0.11 mff: -0.62  
mrt: 0.35 mrf: 0.57 mtf: -0.46 ( $\times 10^{16}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 31° 65° 91° P-axis: -1.13 121° 20°  
NP2: 209° 25° 88° T-axis: 0.96 303° 70°  
N-axis: 0.17 211° 1°  
V.R.: 58%  $\epsilon: -0.15$  N:19 COMP:26

2016/04/14 21:26:34.4  
NW KUMAMOTO PREF  
Hypo.:32°44.5'N 130°48.5'E 11km



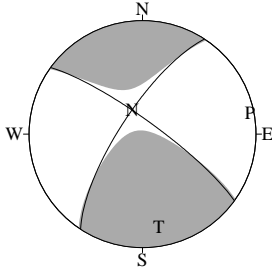
Cent.:32°35.3'N 130°46.8'E 14km  $\Delta t = 7.0$   
Mo:  $2.13 \times 10^{18}$  N·m  $M_w: 6.2$   $M_j: 6.5$  (sec)  
mrr: -0.22 mtt: 1.92 mff: -1.70  
mrt: -0.52 mrf: 0.09 mtf: 0.99 ( $\times 10^{18}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 210° 77° 177° P-axis: -1.98 75° 7°  
NP2: 301° 87° 13° T-axis: 2.27 166° 11°  
N-axis: -0.29 313° 77°  
V.R.: 82%  $\epsilon: 0.13$  N:23 COMP:47

2016/04/14 22:07:35.2  
NW KUMAMOTO PREF  
Hypo.:32°46.5'N 130°50.9'E 8km



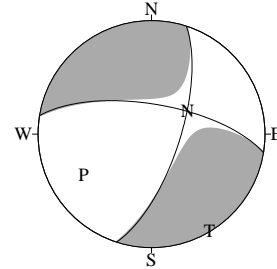
Cent.:32°44.8'N 130°50.7'E 12km  $\Delta t = 4.2$   
Mo:  $1.80 \times 10^{17}$  N·m  $M_w: 5.4$   $M_j: 5.8$  (sec)  
mrr: -0.79 mtt: 1.47 mff: -0.67  
mrt: 0.26 mrf: -0.69 mtf: 1.09 ( $\times 10^{17}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 29° 64° -150° P-axis: -1.70 248° 39°  
NP2: 285° 63° -29° T-axis: 1.90 157° 1°  
N-axis: -0.20 66° 51°  
V.R.: 86%  $\epsilon: 0.11$  N:38 COMP:93

2016/04/14 22:38:43.5  
NW KUMAMOTO PREF  
Hypo.:32°40.6'N 130°44.1'E 11km



Cent.:32°38.8'N 130°43.9'E 13km  $\Delta t = 3.2$   
Mo:  $2.75 \times 10^{16}$  N·m  $M_w: 4.9$   $M_j: 5.0$  (sec)  
mrr: 0.08 mtt: 2.39 mff: -2.46  
mrt: -0.94 mrf: 0.02 mtf: 0.92 ( $\times 10^{16}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 213° 74° 170° P-axis: -2.64 79° 4°  
NP2: 306° 80° 16° T-axis: 2.86 170° 18°  
N-axis: -0.22 337° 71°  
V.R.: 80%  $\epsilon: 0.08$  N:39 COMP:60

2016/04/14 23:43:41.1  
NW KUMAMOTO PREF  
Hypo.:32°46.0'N 130°49.6'E 14km

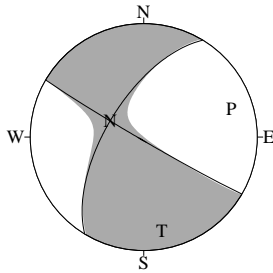


Cent.:32°45.4'N 130°49.4'E 12km  $\Delta t = 3.4$   
Mo:  $3.39 \times 10^{16}$  N·m  $M_w: 5.0$   $M_j: 5.1$  (sec)  
mrr: -1.03 mtt: 1.89 mff: -0.86  
mrt: 0.64 mrf: -1.15 mtf: 2.67 ( $\times 10^{16}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 18° 69° -157° P-axis: -3.27 239° 31°  
NP2: 279° 68° -22° T-axis: 3.52 149° 1°  
N-axis: -0.25 57° 59°  
V.R.: 85%  $\epsilon: 0.07$  N:24 COMP:34

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

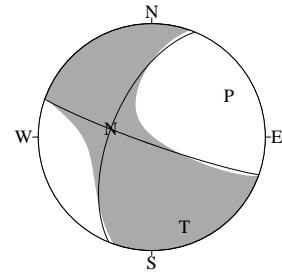
Hypo.:Location of hypocenter, Cent.:Location of centroid,  $\Delta t$ :Centroid time minus origin time  
Mo:Total scalar moment,  $M_w$ :Moment Magnitude,  $M_j$ :JMA Magnitude  
mrr,mtt,mff,mrt,mrf,mtf: Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane  
MOM,AZM,PLG: Moment tensor 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

2016/04/15 00:03:46.4  
 NW KUMAMOTO PREF  
 Hypo.:32°42.0'N 130°46.6'E 7km



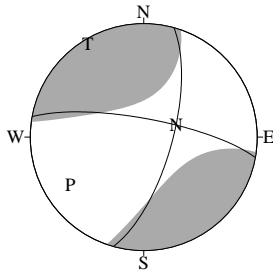
Cent.:32°40.5'N 130°46.2'E 10km  $\Delta t = 6.3$   
 Mo:  $1.32 \times 10^{18}$  N·m Mw:6.0 Mj:6.4 (sec)  
 mrr: 0.00 mtt: 1.03 mff:-1.03  
 mrt:-0.47 mrf: 0.38 mtf: 0.57 ( $\times 10^{18}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1:211° 63°-178° P-axis:-1.35 72° 20°  
 NP2:120° 88° -27° T-axis: 1.28 169° 17°  
 N-axis: 0.07 296° 63°  
 V.R.: 82%  $\epsilon$ : -0.05 N:24 COMP:45

2016/04/15 01:53: 1.4  
 NW KUMAMOTO PREF  
 Hypo.:32°42.0'N 130°45.1'E 12km



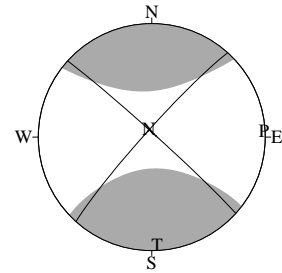
Cent.:32°41.5'N 130°45.1'E 10km  $\Delta t = 0.8$   
 Mo:  $1.33 \times 10^{16}$  N·m Mw:4.7 Mj:4.8 (sec)  
 mrr: 0.02 mtt: 0.73 mff:-0.74  
 mrt:-0.56 mrf: 0.45 mtf: 0.88 ( $\times 10^{16}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1:202° 60°-174° P-axis:-1.44 62° 24°  
 NP2:110° 85° -30° T-axis: 1.23 160° 17°  
 N-axis: 0.21 281° 60°  
 V.R.: 72%  $\epsilon$ : -0.14 N:8 COMP:12

2016/04/15 05:10:36.8  
 NW KUMAMOTO PREF  
 Hypo.:32°45.7'N 130°48.7'E 10km



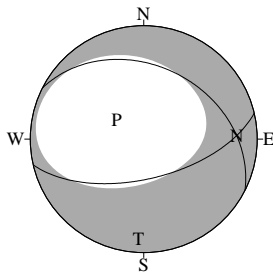
Cent.:32°45.7'N 130°48.5'E 10km  $\Delta t = 0.5$   
 Mo:  $5.54 \times 10^{15}$  N·m Mw:4.4 Mj:4.6 (sec)  
 mrr:-2.05 mtt: 3.38 mff:-1.33  
 mrt: 1.23 mrf:-0.65 mtf: 4.68 ( $\times 10^{15}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 15° 70°-166° P-axis:-4.76 237° 24°  
 NP2:280° 77° -21° T-axis: 6.33 329° 5°  
 N-axis:-1.57 70° 65°  
 V.R.: 78%  $\epsilon$ : 0.25 N:30 COMP:49

2016/04/16 01:25: 5.4  
 NW KUMAMOTO PREF  
 Hypo.:32°45.2'N 130°45.7'E 12km



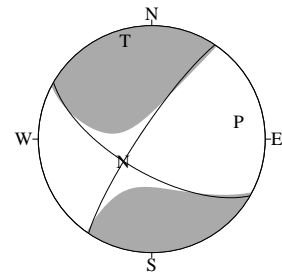
Cent.:32°50.7'N 130°45.1'E 10km  $\Delta t = 12.5$   
 Mo:  $4.06 \times 10^{19}$  N·m Mw:7.0 Mj:7.3 (sec)  
 mrr:-1.27 mtt: 4.65 mff:-3.38  
 mrt:-0.56 mrf: 0.03 mtf: 0.41 ( $\times 10^{19}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1:222° 85° 177° P-axis:-3.40 87° 1°  
 NP2:312° 87° 5° T-axis: 4.72 177° 5°  
 N-axis:-1.32 341° 84°  
 V.R.: 89%  $\epsilon$ : 0.28 N:15 COMP:29

2016/04/16 01:45:55.4  
 NW KUMAMOTO PREF  
 Hypo.:32°51.7'N 130°53.9'E 11km



Cent.:32°49.2'N 130°54.1'E 10km  $\Delta t = 3.0$   
 Mo:  $5.30 \times 10^{17}$  N·m Mw:5.8 Mj:5.9 (sec)  
 mrr:-4.62 mtt: 4.07 mff: 0.55  
 mrt:-2.33 mrf:-2.16 mtf:-0.71 ( $\times 10^{17}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 77° 61°-112° P-axis:-6.00 306° 66°  
 NP2:297° 36° -56° T-axis: 4.70 183° 13°  
 N-axis: 1.30 88° 19°  
 V.R.: 73%  $\epsilon$ : -0.22 N:18 COMP:25

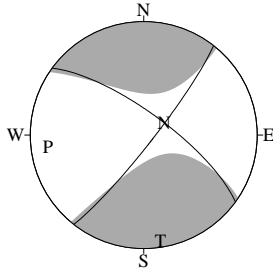
2016/04/16 03:03:10.7  
 NE KUMAMOTO PREF  
 Hypo.:32°57.8'N 131° 5.2'E 7km



Cent.:33° 0.7'N 131° 4.9'E 10km  $\Delta t = 0.4$   
 Mo:  $2.80 \times 10^{17}$  N·m Mw:5.6 Mj:5.9 (sec)  
 mrr:-0.62 mtt: 2.57 mff:-1.95  
 mrt: 0.45 mrf: 0.94 mtf: 1.16 ( $\times 10^{17}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1:214° 82°-156° P-axis:-2.60 79° 23°  
 NP2:120° 66° -9° T-axis: 3.00 345° 11°  
 N-axis:-0.40 232° 64°  
 V.R.: 47%  $\epsilon$ : 0.13 N:11 COMP:12

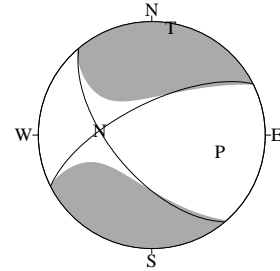
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2016/04/16 03:55:53.0  
 NE KUMAMOTO PREF  
 Hypo.:33° 1.5'N 131°11.4'E 11km



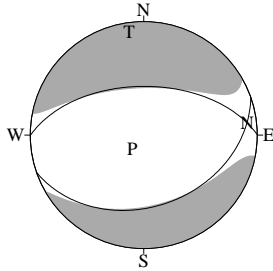
Cent.:33° 1.2'N 131°11.3'E 10km  $\Delta t = 2.6$   
 Mo:  $2.80 \times 10^{17}$ N·m Mw:5.6 Mj:5.8 (sec)  
 mrr:-0.59 mtt: 2.85 mff:-2.27  
 mrt:-0.31 mrf:-0.60 mtf: 0.75 ( $\times 10^{17}$ N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 38° 83° -164° P-axis:-2.50 263° 16°  
 NP2:306° 74° -7° T-axis: 3.00 171° 6°  
 N-axis:-0.50 60° 73°  
 V.R.: 65%  $\epsilon$ : 0.16 N:15 COMP:19

2016/04/16 07:11:37.4  
 NORTHERN OITA PREF  
 Hypo.:33°16.2'N 131°23.7'E 6km



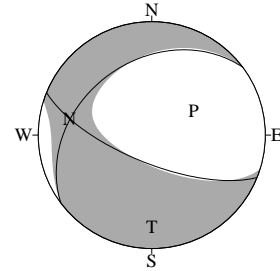
Cent.:33°15.8'N 131°23.5'E 10km  $\Delta t = 4.7$   
 Mo:  $5.24 \times 10^{16}$ N·m Mw:5.1 Mj:5.4 (sec)  
 mrr:-2.33 mtt: 5.31 mff:-2.99  
 mrt: 0.92 mrf: 1.74 mtf:-1.71 ( $\times 10^{16}$ N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1:243° 68° -148° P-axis:-4.78 104° 38°  
 NP2:140° 61° -26° T-axis: 5.69 10° 4°  
 N-axis:-0.91 275° 52°  
 V.R.: 80%  $\epsilon$ : 0.16 N:20 COMP:29

2016/04/16 07:23:54.3  
 NW KUMAMOTO PREF  
 Hypo.:32°47.2'N 130°46.4'E 12km



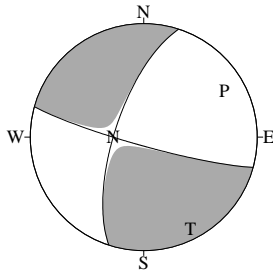
Cent.:32°47.0'N 130°46.4'E 12km  $\Delta t = 1.2$   
 Mo:  $1.15 \times 10^{16}$ N·m Mw:4.6 Mj:4.8 (sec)  
 mrr:-1.01 mtt: 1.12 mff:-0.12  
 mrt: 0.37 mrf:-0.10 mtf: 0.21 ( $\times 10^{16}$ N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 71° 37° -106° P-axis:-1.09 219° 77°  
 NP2:270° 55° -79° T-axis: 1.21 352° 9°  
 N-axis:-0.12 83° 9°  
 V.R.: 70%  $\epsilon$ : 0.10 N:10 COMP:16

2016/04/16 08:20:41.5  
 NW KUMAMOTO PREF  
 Hypo.:32°42.0'N 130°40.7'E 12km



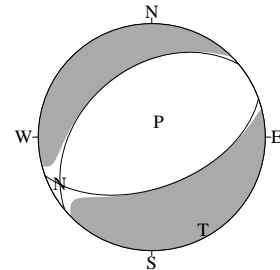
Cent.:32°42.0'N 130°40.8'E 12km  $\Delta t = 0.5$   
 Mo:  $7.74 \times 10^{15}$ N·m Mw:4.5 Mj:4.6 (sec)  
 mrr:-4.50 mtt: 5.85 mff:-1.36  
 mrt:-4.19 mrf: 3.63 mtf: 1.24 ( $\times 10^{15}$ N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1:112° 70° -61° P-axis:-8.14 60° 55°  
 NP2:233° 35° -143° T-axis: 7.34 180° 20°  
 N-axis: 0.80 281° 27°  
 V.R.: 67%  $\epsilon$ :-0.10 N:7 COMP:8

2016/04/16 09:16:28.3  
 SOUTHERN KUMAMOTO PREF  
 Hypo.:32°32.7'N 130°39.1'E 7km



Cent.:32°32.7'N 130°39.1'E 10km  $\Delta t = 0.4$   
 Mo:  $4.90 \times 10^{15}$ N·m Mw:4.4 Mj:4.5 (sec)  
 mrr:-0.47 mtt: 2.75 mff:-2.28  
 mrt:-1.53 mrf: 0.88 mtf: 3.79 ( $\times 10^{15}$ N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1:198° 69° -173° P-axis:-4.84 60° 19°  
 NP2:105° 84° -21° T-axis: 4.96 153° 10°  
 N-axis:-0.11 270° 68°  
 V.R.: 67%  $\epsilon$ : 0.02 N:13 COMP:15

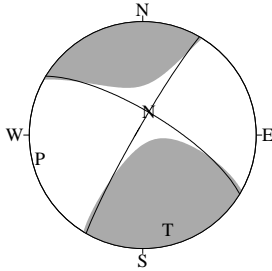
2016/04/16 09:48:32.6  
 NW KUMAMOTO PREF  
 Hypo.:32°50.8'N 130°50.1'E 16km



Cent.:32°51.4'N 130°49.5'E 13km  $\Delta t = 5.1$   
 Mo:  $8.09 \times 10^{16}$ N·m Mw:5.2 Mj:5.4 (sec)  
 mrr:-7.43 mtt: 5.90 mff: 1.53  
 mrt:-2.40 mrf: 0.15 mtf: 3.70 ( $\times 10^{16}$ N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 70° 53° -78° P-axis:-7.92 25° 78°  
 NP2:230° 39° -106° T-axis: 8.27 151° 7°  
 N-axis:-0.35 243° 10°  
 V.R.: 74%  $\epsilon$ : 0.04 N:23 COMP:36

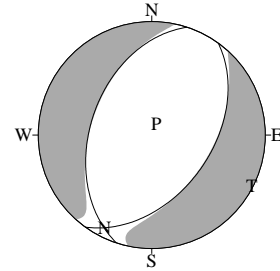
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2016/04/16 10:38:53.1  
SOUTHERN KUMAMOTO PREF  
Hypo.:32°38.9'N 130°43.9'E 10km



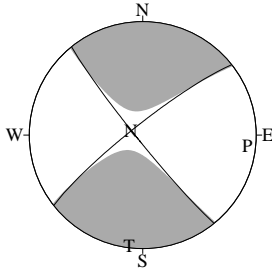
Cent.:32°38.0'N 130°43.9'E 11km  $\Delta t = 0.5$   
Mo:  $5.68 \times 10^{15}$  N·m Mw:4.4 Mj:4.5 (sec)  
mrr:-0.43 mtt: 4.94 mff:-4.51  
mrt:-1.48 mrf:-1.06 mtf: 2.64 ( $\times 10^{15}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1:210° 85° 164° P-axis:-5.29 257° 8°  
NP2:301° 74° 5° T-axis: 6.07 165° 15°  
N-axis:-0.78 15° 73°  
V.R.: 77%  $\epsilon$ : 0.13 N:15 COMP:20

2016/04/16 11:02:51.7  
NW KUMAMOTO PREF  
Hypo.:32°45.5'N 130°46.6'E 15km



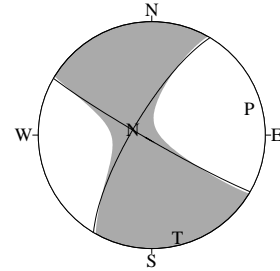
Cent.:32°45.4'N 130°46.7'E 15km  $\Delta t = 0.4$   
Mo:  $4.52 \times 10^{15}$  N·m Mw:4.4 Mj:4.4 (sec)  
mrr:-4.30 mtt: 0.69 mff: 3.61  
mrt:-0.63 mrf: 0.17 mtf: 2.01 ( $\times 10^{15}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 36° 47° -78° P-axis:-4.40 22° 81°  
NP2:198° 45° -103° T-axis: 4.64 117° 1°  
N-axis:-0.24 207° 9°  
V.R.: 73%  $\epsilon$ : 0.05 N:14 COMP:18

2016/04/16 14:03:56.9  
NE KUMAMOTO PREF  
Hypo.:33° 0.4'N 131°13.1'E 9km



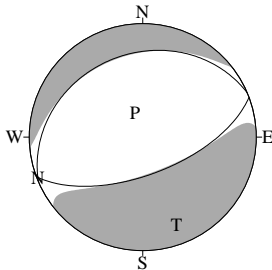
Cent.:33° 0.4'N 131°12.9'E 10km  $\Delta t = 0.4$   
Mo:  $5.27 \times 10^{15}$  N·m Mw:4.4 Mj:4.6 (sec)  
mrr:-0.43 mtt: 5.30 mff:-4.87  
mrt:-0.15 mrf: 0.71 mtf:-1.15 ( $\times 10^{15}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1:232° 82° -176° P-axis:-5.10 96° 8°  
NP2:141° 86° -8° T-axis: 5.44 187° 2°  
N-axis:-0.34 291° 81°  
V.R.: 78%  $\epsilon$ : 0.06 N:23 COMP:32

2016/04/16 14:27: 4.0  
NW KUMAMOTO PREF  
Hypo.:32°39.0'N 130°44.5'E 8km



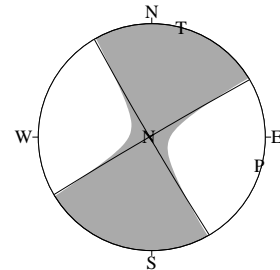
Cent.:32°39.0'N 130°44.7'E 10km  $\Delta t = 0.5$   
Mo:  $6.60 \times 10^{15}$  N·m Mw:4.5 Mj:4.6 (sec)  
mrr: 0.31 mtt: 5.41 mff:-5.72  
mrt:-1.08 mrf: 1.33 mtf: 3.13 ( $\times 10^{15}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1:211° 76° -176° P-axis:-6.88 75° 12°  
NP2:120° 86° -14° T-axis: 6.31 166° 7°  
N-axis: 0.56 285° 76°  
V.R.: 81%  $\epsilon$ :-0.08 N:17 COMP:25

2016/04/16 16:02: 1.0  
NW KUMAMOTO PREF  
Hypo.:32°41.9'N 130°43.2'E 12km



Cent.:32°38.5'N 130°42.2'E 11km  $\Delta t = 5.5$   
Mo:  $6.54 \times 10^{16}$  N·m Mw:5.1 Mj:5.4 (sec)  
mrr:-5.09 mtt: 4.74 mff: 0.35  
mrt:-3.58 mrf:-1.29 mtf: 2.07 ( $\times 10^{16}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 70° 63° -89° P-axis:-6.31 342° 72°  
NP2:247° 27° -92° T-axis: 6.78 159° 18°  
N-axis:-0.47 249° 1°  
V.R.: 80%  $\epsilon$ : 0.07 N:21 COMP:35

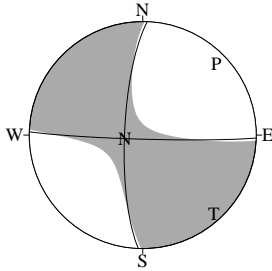
2016/04/16 23:54:28.9  
NE KUMAMOTO PREF  
Hypo.:33° 2.3'N 131°11.9'E 8km



Cent.:33° 2.4'N 131°11.2'E 10km  $\Delta t = 0.3$   
Mo:  $1.75 \times 10^{15}$  N·m Mw:4.1 Mj:4.2 (sec)  
mrr: 0.11 mtt: 1.47 mff:-1.58  
mrt: 0.02 mrf: 0.05 mtf:-0.85 ( $\times 10^{15}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1:240° 89° -179° P-axis:-1.80 105° 2°  
NP2:150° 89° -1° T-axis: 1.69 15° 0°  
N-axis: 0.11 274° 88°  
V.R.: 55%  $\epsilon$ :-0.06 N:12 COMP:17

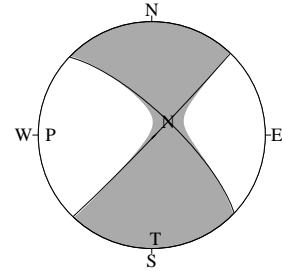
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2016/04/17 04:46:49.0  
SOUTHERN KUMAMOTO PREF  
Hypo.:32°41.2'N 130°46.5'E 10km



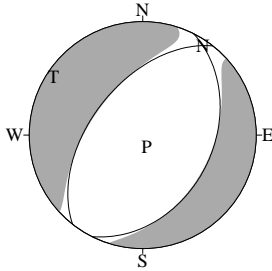
Cent.:32°41.2'N 130°46.4'E 10km  $\Delta t = 0.4$   
Mo:  $5.43 \times 10^{15} \text{N}\cdot\text{m}$  Mw:4.4 Mj:4.5 (sec)  
mrr: 0.35 mtt: 0.16 mff:-0.51  
mrt:-1.25 mrf: 0.48 mtf:  $5.27 (\times 10^{15} \text{N}\cdot\text{m})$   
STR DIP SLIP MOM AZM PLG  
NP1: 92° 87° -13° P-axis:-5.70 46° 11°  
NP2:182° 77° -177° T-axis: 5.18 138° 7°  
N-axis: 0.52 259° 77°  
V.R.: 83%  $\epsilon$ :-0.09 N:17 COMP:20

2016/04/18 20:41:57.9  
NE KUMAMOTO PREF  
Hypo.:33° 0.1'N 131°11.9'E 9km



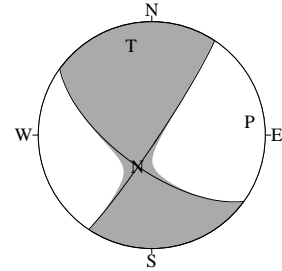
Cent.:33° 1.2'N 131°11.9'E 10km  $\Delta t = 5.2$   
Mo:  $2.10 \times 10^{17} \text{N}\cdot\text{m}$  Mw:5.5 Mj:5.8 (sec)  
mrr: 0.04 mtt: 2.01 mff:-2.06  
mrt:-0.32 mrf:-0.47 mtf:  $0.09 (\times 10^{17} \text{N}\cdot\text{m})$   
STR DIP SLIP MOM AZM PLG  
NP1: 44° 88° -165° P-axis:-2.20 270° 12°  
NP2:313° 75° -2° T-axis: 2.10 178° 9°  
N-axis: 0.10 51° 75°  
V.R.: 84%  $\epsilon$ :-0.04 N:35 COMP:95

2016/04/19 11:46:58.4  
NEAR MINAMI-DAITAJIMA IS  
Hypo.:26°30.4'N 130°13.7'E 46km



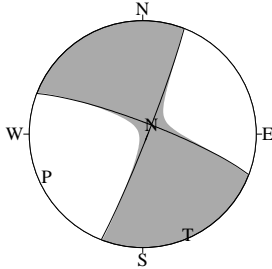
Cent.:26°25.7'N 130°13.8'E 14km  $\Delta t = 2.7$   
Mo:  $4.20 \times 10^{16} \text{N}\cdot\text{m}$  Mw:5.0 Mj:4.8 (sec)  
mrr:-3.90 mtt: 1.00 mff: 2.89  
mrt: 0.89 mrf: 0.68 mtf:  $2.03 (\times 10^{16} \text{N}\cdot\text{m})$   
STR DIP SLIP MOM AZM PLG  
NP1: 27° 38° -99° P-axis:-4.07 162° 81°  
NP2:218° 53° -83° T-axis: 4.33 303° 7°  
N-axis:-0.26 34° 6°  
V.R.: 88%  $\epsilon$ : 0.06 N:17 COMP:28

2016/04/19 17:52:13.6  
SOUTHERN KUMAMOTO PREF  
Hypo.:32°32.1'N 130°38.1'E 10km



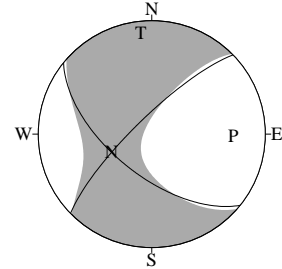
Cent.:32°27.1'N 130°37.0'E 10km  $\Delta t = 5.1$   
Mo:  $1.10 \times 10^{17} \text{N}\cdot\text{m}$  Mw:5.3 Mj:5.5 (sec)  
mrr: 0.10 mtt: 0.87 mff:-0.97  
mrt: 0.29 mrf: 0.33 mtf:  $0.34 (\times 10^{17} \text{N}\cdot\text{m})$   
STR DIP SLIP MOM AZM PLG  
NP1: 34° 85° 156° P-axis:-1.10 82° 14°  
NP2:126° 66° 5° T-axis: 1.10 347° 20°  
N-axis: 0.00 204° 65°  
V.R.: 80%  $\epsilon$ :-0.03 N:23 COMP:39

2016/04/19 20:47: 3.3  
SOUTHERN KUMAMOTO PREF  
Hypo.:32°34.3'N 130°39.1'E 11km



Cent.:32°34.5'N 130°39.2'E 10km  $\Delta t = 4.3$   
Mo:  $2.37 \times 10^{16} \text{N}\cdot\text{m}$  Mw:4.9 Mj:5.0 (sec)  
mrr: 0.04 mtt: 1.56 mff:-1.60  
mrt: 0.02 mrf:-0.38 mtf:  $1.73 (\times 10^{16} \text{N}\cdot\text{m})$   
STR DIP SLIP MOM AZM PLG  
NP1: 21° 87° -172° P-axis:-2.42 246° 8°  
NP2:291° 82° -3° T-axis: 2.33 156° 3°  
N-axis: 0.08 44° 81°  
V.R.: 88%  $\epsilon$ :-0.03 N:42 COMP:84

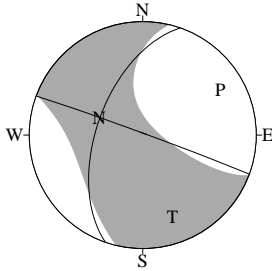
2016/04/20 00:29:30.1  
SOUTHERN KUMAMOTO PREF  
Hypo.:32°32.0'N 130°38.4'E 8km



Cent.:32°32.0'N 130°38.2'E 10km  $\Delta t = 0.3$   
Mo:  $1.68 \times 10^{15} \text{N}\cdot\text{m}$  Mw:4.1 Mj:4.0 (sec)  
mrr:-0.18 mtt: 1.48 mff:-1.30  
mrt: 0.26 mrf: 0.92 mtf:  $0.09 (\times 10^{15} \text{N}\cdot\text{m})$   
STR DIP SLIP MOM AZM PLG  
NP1:226° 78° -150° P-axis:-1.82 91° 29°  
NP2:129° 61° -14° T-axis: 1.54 354° 11°  
N-axis: 0.28 246° 58°  
V.R.: 68%  $\epsilon$ :-0.15 N:8 COMP:14

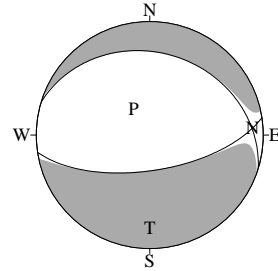
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2016/04/20 03:38:58.5  
SOUTHERN KUMAMOTO PREF  
Hypo.:32°33.8'N 130°38.7'E 11km



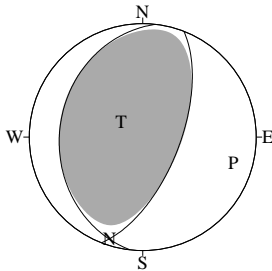
Cent.:32°33.9'N 130°38.7'E 11km  $\Delta t = 0.3$   
Mo:  $2.20 \times 10^{15}$  N·m Mw:4.2 Mj:4.1 (sec)  
mrr: 0.45 mtt: 0.82 mff:-1.27  
mrt:-0.96 mrf: 0.84 mtf: 1.53 ( $\times 10^{15}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1:199° 56° 178° P-axis:-2.56 60° 22°  
NP2:290° 89° 34° T-axis: 1.84 160° 24°  
N-axis: 0.72 292° 56°  
V.R.: 81%  $\epsilon$ : -0.28 N:13 COMP:21

2016/04/20 16:01:30.2  
NW KUMAMOTO PREF  
Hypo.:32°50.2'N 130°47.9'E 15km



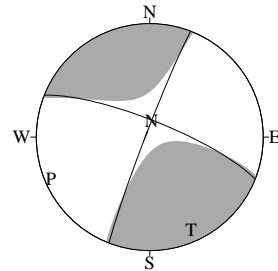
Cent.:32°50.2'N 130°48.0'E 15km  $\Delta t = 0.3$   
Mo:  $1.74 \times 10^{15}$  N·m Mw:4.1 Mj:4.0 (sec)  
mrr:-1.30 mtt: 1.42 mff:-0.11  
mrt:-1.03 mrf:-0.30 mtf:-0.10 ( $\times 10^{15}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 81° 64° -102° P-axis:-1.71 328° 68°  
NP2:287° 28° -67° T-axis: 1.76 180° 19°  
N-axis:-0.05 86° 10°  
V.R.: 66%  $\epsilon$ : 0.03 N:11 COMP:15

2016/04/20 21:19:43.6  
E OFF FUKUSHIMA PREF  
Hypo.:37°46.2'N 141°41.3'E 49km



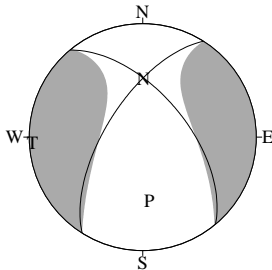
Cent.:37°57.0'N 141°40.8'E 57km  $\Delta t = 8.7$   
Mo:  $8.80 \times 10^{17}$  N·m Mw:5.9 Mj:5.8 (sec)  
mrr: 7.23 mtt:-0.65 mff:-6.58  
mrt: 2.39 mrf: 4.68 mtf:-1.51 ( $\times 10^{17}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 21° 63° 97° P-axis:-8.60 106° 18°  
NP2:187° 27° 77° T-axis: 9.00 306° 71°  
N-axis:-0.40 198° 6°  
V.R.: 79%  $\epsilon$ : 0.05 N:19 COMP:41

2016/04/21 18:43:57.3  
NE KUMAMOTO PREF  
Hypo.:33° 0.4'N 131°13.9'E 11km



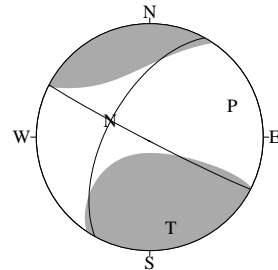
Cent.:33° 0.4'N 131°14.0'E 11km  $\Delta t = 0.3$   
Mo:  $1.97 \times 10^{15}$  N·m Mw:4.1 Mj:4.2 (sec)  
mrr:-0.17 mtt: 1.38 mff:-1.21  
mrt:-0.31 mrf:-0.33 mtf: 1.41 ( $\times 10^{15}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1:201° 87° 168° P-axis:-1.85 247° 6°  
NP2:292° 78° 3° T-axis: 2.08 156° 11°  
N-axis:-0.23 6° 78°  
V.R.: 71%  $\epsilon$ : 0.11 N:17 COMP:21

2016/04/21 23:20:39.1  
SE OFF SHIKOKU  
Hypo.:33°30.0'N 134°19.5'E 34km



Cent.:33°30.0'N 134°19.3'E 34km  $\Delta t = 0.4$   
Mo:  $4.84 \times 10^{15}$  N·m Mw:4.4 Mj:4.4 (sec)  
mrr:-2.60 mtt:-2.78 mff: 5.37  
mrt: 1.53 mrf: 0.51 mtf:-0.48 ( $\times 10^{15}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1:212° 64° -36° P-axis:-4.27 174° 43°  
NP2:320° 58° -148° T-axis: 5.42 267° 3°  
N-axis:-1.16 1° 47°  
V.R.: 77%  $\epsilon$ : 0.21 N:15 COMP:23

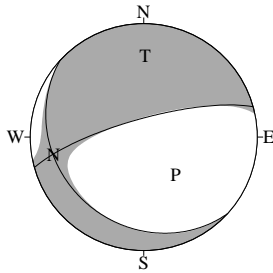
2016/04/24 16:52: 0.4  
NE KUMAMOTO PREF  
Hypo.:33° 2.9'N 131° 9.4'E 10km



Cent.:33° 2.9'N 131° 9.4'E 10km  $\Delta t = 0.3$   
Mo:  $2.26 \times 10^{15}$  N·m Mw:4.2 Mj:4.1 (sec)  
mrr:-0.54 mtt: 1.98 mff:-1.45  
mrt:-1.15 mrf: 0.18 mtf: 0.98 ( $\times 10^{15}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1:209° 60° -177° P-axis:-1.91 69° 23°  
NP2:117° 87° -30° T-axis: 2.61 167° 19°  
N-axis:-0.70 293° 59°  
V.R.: 79%  $\epsilon$ : 0.27 N:19 COMP:25

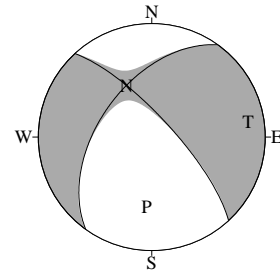
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2016/04/24 22:27:39.6  
NEAR TOKARA ISLANDS  
Hypo.:29°37.1'N 129°45.3'E 8km



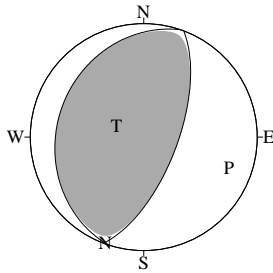
Cent.:29°37.0'N 129°45.7'E 10km  $\Delta t = 0.4$   
Mo:  $4.59 \times 10^{15}$  N·m Mw:4.4 Mj:4.2 (sec)  
mrr:-1.99 mtt: 2.46 mff:-0.47  
mrt: 3.60 mrf: 1.49 mtf:-0.88 ( $\times 10^{15}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1:133° 24° -34° P-axis:-4.70 140° 54°  
NP2:255° 77° -110° T-axis: 4.47 1° 29°  
N-axis: 0.24 259° 20°  
V.R.: 83%  $\epsilon$ :-0.05 N:26 COMP:34

2016/04/25 10:00:25.0  
NE AICHI PREF  
Hypo.:35° 5.2'N 137°34.5'E 44km



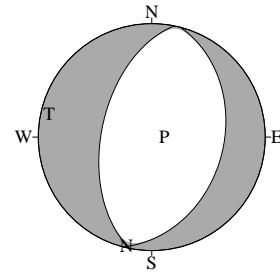
Cent.:35° 5.2'N 137°34.4'E 44km  $\Delta t = 0.3$   
Mo:  $2.06 \times 10^{15}$  N·m Mw:4.1 Mj:4.2 (sec)  
mrr:-0.61 mtt:-1.23 mff: 1.84  
mrt: 1.13 mrf:-0.56 mtf:-0.17 ( $\times 10^{15}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1:216° 52° -19° P-axis:-2.10 184° 38°  
NP2:317° 76° -140° T-axis: 2.02 81° 15°  
N-axis: 0.08 334° 48°  
V.R.: 74%  $\epsilon$ :-0.04 N:10 COMP:15

2016/04/27 00:01:24.7  
E OFF MIYAGI PREF  
Hypo.:38°10.5'N 141°41.4'E 52km



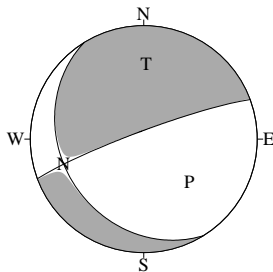
Cent.:38°20.6'N 141°41.2'E 60km  $\Delta t = 5.4$   
Mo:  $3.56 \times 10^{16}$  N·m Mw:5.0 Mj:5.0 (sec)  
mrr: 2.69 mtt:-0.34 mff:-2.36  
mrt: 0.85 mrf: 2.20 mtf:-0.83 ( $\times 10^{16}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 21° 66° 91° P-axis:-3.55 110° 21°  
NP2:199° 24° 88° T-axis: 3.58 292° 69°  
N-axis:-0.04 200° 1°  
V.R.: 81%  $\epsilon$ : 0.01 N:24 COMP:36

2016/04/27 04:33:28.3  
FAR E OFF MIYAGI PREF  
Hypo.:37°54.6'N 143° 6.9'E 51km



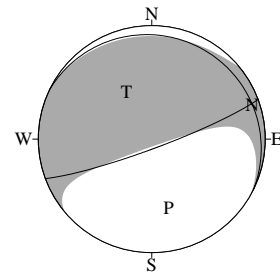
Cent.:37°54.6'N 143° 6.9'E 20km  $\Delta t = 0.3$   
Mo:  $1.92 \times 10^{15}$  N·m Mw:4.1 Mj:4.6 (sec)  
mrr:-1.85 mtt: 0.10 mff: 1.74  
mrt: 0.07 mrf: 0.55 mtf: 0.40 ( $\times 10^{15}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 15° 37° -87° P-axis:-1.93 91° 81°  
NP2:191° 53° -92° T-axis: 1.92 283° 8°  
N-axis: 0.01 193° 2°  
V.R.: 72%  $\epsilon$ :-0.01 N:15 COMP:15

2016/04/27 07:39:39.9  
OFF NEMURO PENINSULA  
Hypo.:43° 3.7'N 145°51.1'E 76km



Cent.:43° 3.7'N 145°51.1'E 76km  $\Delta t = 0.4$   
Mo:  $4.63 \times 10^{15}$  N·m Mw:4.4 Mj:4.4 (sec)  
mrr:-0.83 mtt: 2.12 mff:-1.30  
mrt: 3.71 mrf: 1.58 mtf:-1.30 ( $\times 10^{15}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1:148° 28° -13° P-axis:-4.60 133° 44°  
NP2:250° 84° -117° T-axis: 4.65 2° 34°  
N-axis:-0.05 253° 27°  
V.R.: 77%  $\epsilon$ : 0.01 N:10 COMP:13

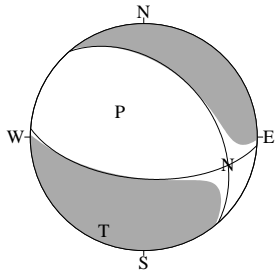
2016/04/28 00:17:13.8  
TAIWAN REGION  
Hypo.:24° 7.9'N 121°40.9'E 23km



Cent.:24° 3.4'N 121°42.0'E 10km  $\Delta t = 7.7$   
Mo:  $3.10 \times 10^{17}$  N·m Mw:5.6 Mj:5.9 (sec)  
mrr: 0.54 mtt:-1.02 mff: 0.48  
mrt: 2.82 mrf: 1.02 mtf:-0.13 ( $\times 10^{17}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 70° 83° 83° P-axis:-3.30 166° 38°  
NP2:296° 10° 136° T-axis: 2.90 332° 51°  
N-axis: 0.40 71° 7°  
V.R.: 73%  $\epsilon$ :-0.12 N:9 COMP:15

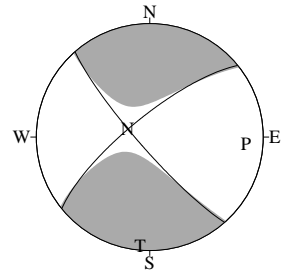
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2016/04/28 15:30:51.4  
 NW KUMAMOTO PREF  
 Hypo.: 32°45.0'N 130°32.4'E 9km



Cent.: 32°40.4'N 130°32.6'E 10km  $\Delta t = 0.7$   
 $M_0: 1.01 \times 10^{16} \text{N}\cdot\text{m}$   $M_w: 4.6$   $M_j: 4.8$  (sec)  
 $mrr: -0.77$   $mtt: 0.75$   $mff: 0.02$   
 $mrt: -0.45$   $mrf: -0.16$   $mtf: -0.47$  ( $\times 10^{16} \text{N}\cdot\text{m}$ )  
 STR DIP SLIP MOM AZM PLG  
 NP1: 94° 60° -117° P-axis: -0.98 317° 65°  
 NP2: 319° 40° -53° T-axis: 1.05 203° 11°  
 N-axis: -0.07 108° 23°  
 V.R.: 89%  $\epsilon: 0.07$  N:17 COMP:22

2016/04/29 15:09:34.3  
 NORTHERN OITA PREF  
 Hypo.: 33°15.4'N 131°22.0'E 7km



Cent.: 33°15.4'N 131°21.9'E 10km  $\Delta t = 0.4$   
 $M_0: 5.80 \times 10^{15} \text{N}\cdot\text{m}$   $M_w: 4.4$   $M_j: 4.5$  (sec)  
 $mrr: -0.85$   $mtt: 5.93$   $mff: -5.08$   
 $mrt: -0.39$   $mrf: 1.38$   $mtf: -0.95$  ( $\times 10^{15} \text{N}\cdot\text{m}$ )  
 STR DIP SLIP MOM AZM PLG  
 NP1: 231° 76° -172° P-axis: -5.55 94° 16°  
 NP2: 139° 82° -15° T-axis: 6.05 185° 4°  
 N-axis: -0.50 290° 73°  
 V.R.: 74%  $\epsilon: 0.08$  N:8 COMP:10

EQUAL AREA PROJECTON, LOWER HEMISPHERE.