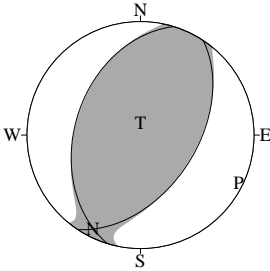


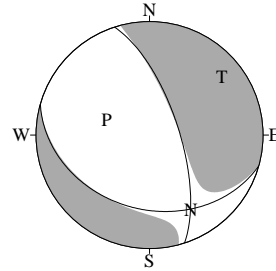
CMT SOLUTIONS FOR EARTHQUAKES IN 1998

1998/01/31 00:50:17.2  
E OFF AOMORI PREF  
Hypo.:41°27.7'N 142° 4.6'E 62km



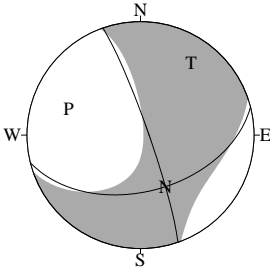
Cent.:41°22.1'N 142° 7.3'E 55km  $\Delta t=13.5$   
Mo:  $2.20 \times 10^{17}$ N·m Mw:5.5 Mj:5.3 (sec)  
mrr: 2.10 mtt:-0.30 mff:-1.80  
mrt: 0.40 mrf: 0.15 mtf:-0.92 ( $\times 10^{17}$ N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 34° 50° 101° P-axis:-2.30 116° 4°  
NP2:197° 42° 77° T-axis: 2.20 360° 81°  
N-axis: 0.10 207° 8°  
V.R.: 19%  $\epsilon$ :-0.04 N:5 COMP:15

1998/02/07 10:19: 1.6  
IOTO ISLANDS REGION  
Hypo.:24°53.7'N 142° 5.3'E 552km



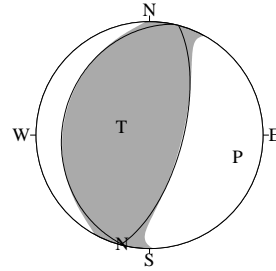
Cent.:24°48.7'N 142° 5.7'E 541km  $\Delta t= 1.0$   
Mo:  $5.03 \times 10^{18}$ N·m Mw:6.4 Mj:6.4 (sec)  
mrr:-2.90 mtt: 1.43 mff: 1.47  
mrt: 0.39 mrf:-3.27 mtf:-2.88 ( $\times 10^{18}$ N·m)  
STR DIP SLIP MOM AZM PLG  
NP1:342° 69° -62° P-axis:-4.84 290° 57°  
NP2:106° 35°-141° T-axis: 5.23 51° 19°  
N-axis:-0.38 151° 26°  
V.R.: 57%  $\epsilon$ : 0.07 N:16 COMP:48

1998/03/01 02:38:48.2  
FAR S OFF TOKAI DISTRICT  
Hypo.:33°31.8'N 138°26.1'E 315km



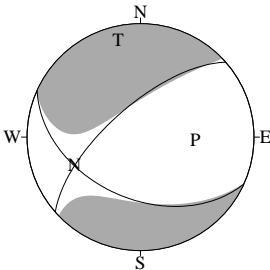
Cent.:33°27.5'N 138°22.2'E 296km  $\Delta t= 2.2$   
Mo:  $4.40 \times 10^{17}$ N·m Mw:5.7 Mj:5.5 (sec)  
mrr:-0.23 mtt: 2.17 mff:-1.94  
mrt:-0.09 mrf:-3.18 mtf:-2.48 ( $\times 10^{17}$ N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 76° 49°-172° P-axis:-5.00 290° 33°  
NP2:341° 84° -41° T-axis: 3.90 35° 23°  
N-axis: 1.10 154° 48°  
V.R.: 38%  $\epsilon$ :-0.22 N:15 COMP:45

1998/03/23 18:37: 9.2  
E OFF IBARAKI PREF  
Hypo.:36°22.1'N 141°10.9'E 49km



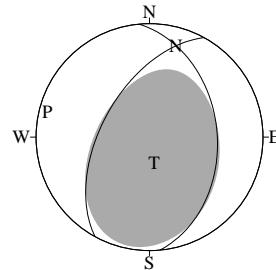
Cent.:36°13.0'N 141°12.8'E 44km  $\Delta t= 8.1$   
Mo:  $1.50 \times 10^{17}$ N·m Mw:5.4 Mj:5.4 (sec)  
mrr: 1.05 mtt: 0.02 mff:-1.07  
mrt: 0.26 mrf: 0.95 mtf:-0.28 ( $\times 10^{17}$ N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 15° 66° 91° P-axis:-1.50 104° 21°  
NP2:192° 24° 88° T-axis: 1.40 287° 69°  
N-axis: 0.10 194° 1°  
V.R.: 36%  $\epsilon$ :-0.06 N:8 COMP:24

1998/04/09 17:45:39.1  
E OFF FUKUSHIMA PREF  
Hypo.:36°56.7'N 141° 1.0'E 95km



Cent.:36°55.6'N 141° 2.1'E 69km  $\Delta t= 4.8$   
Mo:  $2.00 \times 10^{17}$ N·m Mw:5.5 Mj:5.4 (sec)  
mrr:-1.09 mtt: 1.90 mff:-0.81  
mrt: 0.58 mrf: 0.89 mtf: 0.49 ( $\times 10^{17}$ N·m)  
STR DIP SLIP MOM AZM PLG  
NP1:114° 45° -33° P-axis:-1.90 93° 50°  
NP2:229° 68°-130° T-axis: 2.20 347° 13°  
N-axis:-0.30 247° 37°  
V.R.: 28%  $\epsilon$ : 0.14 N:12 COMP:36

1998/04/22 20:32:48.4  
SHIGA GIFU BORDER REGION  
Hypo.:35°10.5'N 136°33.7'E 8km

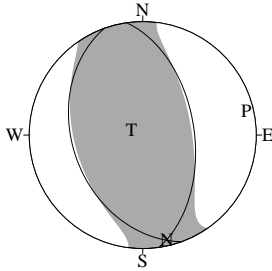


Cent.:35°18.3'N 136°35.4'E 11km  $\Delta t= 5.9$   
Mo:  $1.10 \times 10^{17}$ N·m Mw:5.3 Mj:5.5 (sec)  
mrr: 1.01 mtt:-0.07 mff:-0.94  
mrt:-0.43 mrf:-0.18 mtf:-0.17 ( $\times 10^{17}$ N·m)  
STR DIP SLIP MOM AZM PLG  
NP1:355° 40° 63° P-axis:-1.00 284° 8°  
NP2:209° 55° 111° T-axis: 1.20 170° 71°  
N-axis:-0.20 16° 17°  
V.R.: 31%  $\epsilon$ : 0.13 N:10 COMP:30

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

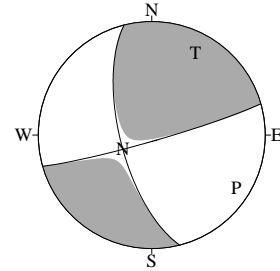
Hypo.:Location of hypocenter, Cent.:Location of centroid,  $\Delta t$ :Centroid time minus origin time  
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude  
mrr,mtt,mff,mrt,mrf,mtf: Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane  
MOM,AZM,PLG: Moment tensor component,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

1998/04/30 08:32:37.5  
NEAR TORISHIMA IS  
Hypo.:30°49.7'N 142°13.4'E 33km



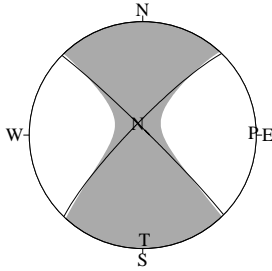
Cent.:30°51.2'N 142° 9.5'E 11km  $\Delta t=13.3$   
Mo:  $2.90 \times 10^{17}$  N·m Mw:5.6 Mj:6.1 (sec)  
mrr: 2.61 mtt: 0.25 mff:-2.86  
mrt: 0.05 mrf: 0.77 mtf: 0.81 ( $\times 10^{17}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1:352° 53° 97° P-axis:-3.20 77° 7°  
NP2:160° 38° 81° T-axis: 2.70 295° 81°  
N-axis: 0.40 167° 6°  
V.R.: 27%  $\epsilon$ :-0.13 N:11 COMP:32

1998/05/03 11:09: 5.3  
E OFF IZU PENINSULA  
Hypo.:34°57.6'N 139°10.5'E 5km



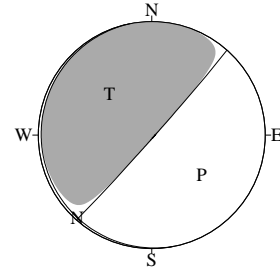
Cent.:34°51.2'N 139°11.3'E 10km  $\Delta t= 7.6$   
Mo:  $3.30 \times 10^{17}$  N·m Mw:5.6 Mj:5.9 (sec)  
mrr: 0.13 mtt: 1.49 mff:-1.61  
mrt: 1.32 mrf: 0.08 mtf:-2.65 ( $\times 10^{17}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 74° 86° 157° P-axis:-3.30 122° 13°  
NP2:166° 67° 5° T-axis: 3.40 28° 19°  
N-axis:-0.10 244° 67°  
V.R.: 26%  $\epsilon$ : 0.03 N:9 COMP:27

1998/05/04 08:30:18.6  
FAR S OFF ISHIGAKIJIMA  
Hypo.:22°22.7'N 125°26.2'E 35km



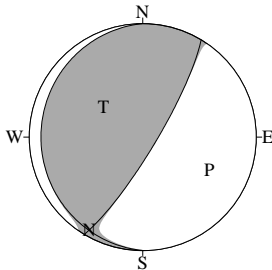
Cent.:22° 2.4'N 125°29.7'E 39km  $\Delta t=17.3$   
Mo:  $2.39 \times 10^{20}$  N·m Mw:7.5 Mj:7.7 (sec)  
mrr: 0.25 mtt: 2.23 mff:-2.48  
mrt:-0.30 mrf: 0.16 mtf: 0.06 ( $\times 10^{20}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1:224° 82° 176° P-axis:-2.49 89° 3°  
NP2:315° 87° 8° T-axis: 2.28 179° 8°  
N-axis: 0.22 337° 81°  
V.R.: 51%  $\epsilon$ :-0.09 N:0 COMP:8

1998/05/14 19:53:41.0  
FAR E OFF SANRIKU  
Hypo.:40°16.6'N 143°25.6'E 12km



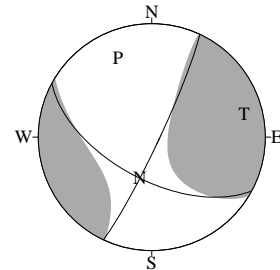
Cent.:40° 7.9'N 143°30.5'E 12km  $\Delta t= 2.5$   
Mo:  $6.00 \times 10^{17}$  N·m Mw:5.8 Mj:5.3 (sec)  
mrr: 0.46 mtt: 0.02 mff:-0.47  
mrt: 3.98 mrf: 4.46 mtf:-0.02 ( $\times 10^{17}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 42° 88° 92° P-axis:-5.90 129° 43°  
NP2:169° 3° 37° T-axis: 6.10 314° 47°  
N-axis:-0.20 222° 2°  
V.R.: 23%  $\epsilon$ : 0.03 N:10 COMP:30

1998/05/15 03:56:20.6  
FAR E OFF SANRIKU  
Hypo.:40°15.8'N 143°27.0'E 18km



Cent.:40° 8.4'N 143°29.2'E 10km  $\Delta t= 3.0$   
Mo:  $1.03 \times 10^{18}$  N·m Mw:5.9 Mj:5.9 (sec)  
mrr: 0.33 mtt: 0.01 mff:-0.34  
mrt: 0.51 mrf: 0.82 mtf:-0.11 ( $\times 10^{18}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 31° 80° 96° P-axis:-1.03 116° 35°  
NP2:179° 11° 59° T-axis: 1.02 308° 54°  
N-axis: 0.01 210° 6°  
V.R.: 37%  $\epsilon$ :-0.01 N:11 COMP:33

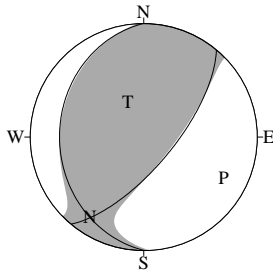
1998/05/16 03:45: 5.5  
SOUTHERN BOSO PENINSULA  
Hypo.:34°56.2'N 139°55.3'E 73km



Cent.:34°51.0'N 140° 0.1'E 81km  $\Delta t= 1.8$   
Mo:  $2.15 \times 10^{16}$  N·m Mw:4.8 Mj:4.8 (sec)  
mrr:-0.47 mtt:-1.32 mff: 1.79  
mrt:-0.33 mrf:-0.98 mtf:-1.05 ( $\times 10^{16}$  N·m)  
STR DIP SLIP MOM AZM PLG  
NP1: 25° 85° -30° P-axis:-1.92 337° 25°  
NP2:118° 60° -174° T-axis: 2.37 76° 17°  
N-axis:-0.45 196° 59°  
V.R.: 33%  $\epsilon$ : 0.19 N:6 COMP:18

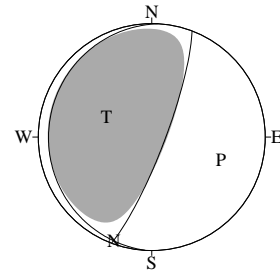
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

1998/05/31 03:18: 9.0  
 FAR E OFF SANRIKU  
 Hypo.:39° 1.7'N 143°50.8'E 11km



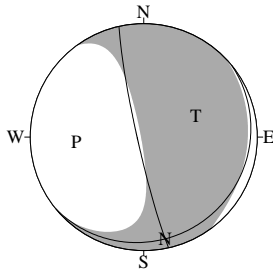
Cent.:38°59.1'N 143°49.4'E 10km  $\Delta t=12.0$   
 Mo:  $1.31 \times 10^{18}$  N·m Mw:6.0 Mj:6.4 (sec)  
 mrr: 0.80 mtt: 0.05 mff:-0.85  
 mrt: 0.67 mrf: 0.65 mtf:-0.41 ( $\times 10^{18}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 40° 69° 107° P-axis:-1.36 117° 22°  
 NP2:179° 27° 52° T-axis: 1.26 336° 62°  
 N-axis: 0.10 214° 16°  
 V.R.: 39%  $\epsilon$ :-0.07 N:14 COMP:42

1998/06/01 10:21: 9.9  
 FAR E OFF SANRIKU  
 Hypo.:39°10.0'N 143°15.8'E 25km



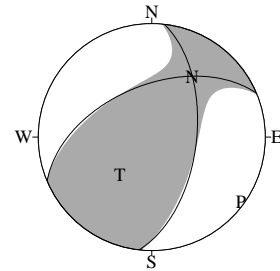
Cent.:39° 9.7'N 143°22.1'E 10km  $\Delta t= 1.5$   
 Mo:  $7.03 \times 10^{16}$  N·m Mw:5.2 Mj:5.3 (sec)  
 mrr: 2.52 mtt:-0.46 mff:-2.06  
 mrt: 2.45 mrf: 6.18 mtf:-0.24 ( $\times 10^{16}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 21° 81° 93° P-axis:-6.78 108° 36°  
 NP2:183° 10° 73° T-axis: 7.29 294° 54°  
 N-axis:-0.51 200° 3°  
 V.R.: 30%  $\epsilon$ : 0.07 N:9 COMP:27

1998/06/01 16:35:50.8  
 SOUTHERN MIE PREF  
 Hypo.:34° 1.8'N 136°13.7'E 412km



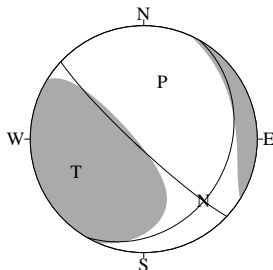
Cent.:34° 2.5'N 136°11.5'E 411km  $\Delta t=-0.5$   
 Mo:  $3.70 \times 10^{17}$  N·m Mw:5.6 Mj:5.8 (sec)  
 mrr: 0.25 mtt: 0.90 mff:-1.15  
 mrt: 0.67 mrf:-3.58 mtf:-0.19 ( $\times 10^{17}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 51° 10° 153° P-axis:-4.10 266° 40°  
 NP2:167° 85° 81° T-axis: 3.40 68° 49°  
 N-axis: 0.80 168° 9°  
 V.R.: 41%  $\epsilon$ :-0.18 N:11 COMP:33

1998/07/01 02:22:47.3  
 NORTHERN NAGANO PREF  
 Hypo.:36°37.3'N 137°54.8'E 9km



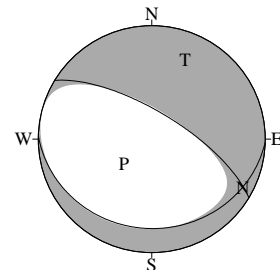
Cent.:36°34.2'N 137°59.2'E 10km  $\Delta t= 4.8$   
 Mo:  $3.52 \times 10^{16}$  N·m Mw:5.0 Mj:5.0 (sec)  
 mrr: 2.30 mtt:-0.42 mff:-1.89  
 mrt:-0.96 mrf: 1.07 mtf:-2.43 ( $\times 10^{16}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 6° 58° 46° P-axis:-3.70 126° 3°  
 NP2:247° 52° 137° T-axis: 3.34 220° 54°  
 N-axis: 0.37 34° 36°  
 V.R.: 30%  $\epsilon$ :-0.10 N:7 COMP:21

1998/07/07 23:32: 3.0  
 E OFF HACHIJOJIMA ISLAND  
 Hypo.:32°44.3'N 140°21.2'E 112km



Cent.:32°45.9'N 140°23.9'E 113km  $\Delta t= 2.9$   
 Mo:  $5.14 \times 10^{16}$  N·m Mw:5.1 Mj:4.8 (sec)  
 mrr:-0.71 mtt:-1.78 mff: 2.50  
 mrt:-2.96 mrf: 3.44 mtf:-1.46 ( $\times 10^{16}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 30° 26° -15° P-axis:-4.49 18° 46°  
 NP2:133° 84° -115° T-axis: 5.79 244° 34°  
 N-axis:-1.30 136° 25°  
 V.R.: 28%  $\epsilon$ : 0.22 N:8 COMP:22

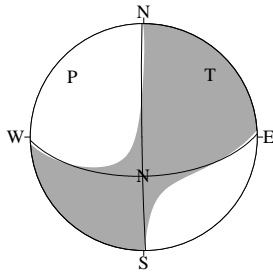
1998/07/23 20:26: 3.0  
 NEAR TORISHIMA IS  
 Hypo.:30°23.0'N 138°58.5'E 439km



Cent.:30°23.9'N 138°48.0'E 435km  $\Delta t= 0.5$   
 Mo:  $4.36 \times 10^{16}$  N·m Mw:5.0 Mj:5.2 (sec)  
 mrr:-2.82 mtt: 2.61 mff: 0.21  
 mrt: 2.67 mrf:-2.01 mtf:-0.69 ( $\times 10^{16}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 92° 22° -118° P-axis:-4.48 228° 63°  
 NP2:301° 70° -79° T-axis: 4.23 23° 25°  
 N-axis: 0.26 118° 10°  
 V.R.: 23%  $\epsilon$ :-0.06 N:7 COMP:21

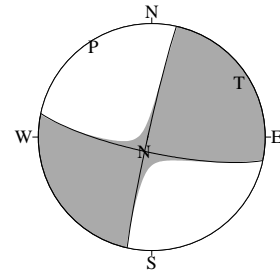
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

1998/08/12 15:13: 3.6  
 HIDA MOUNTAINS REGION  
 Hypo.: 36°14.2'N 137°37.6'E 3km



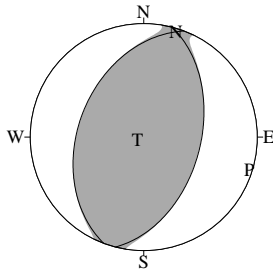
Cent.: 36°15.8'N 137°36.4'E 10km  $\Delta t = 6.3$   
 Mo:  $4.42 \times 10^{16}$  N·m Mw: 5.0 Mj: 5.0 (sec)  
 mrr: 0.44 mtt: 0.04 mff: -0.47  
 mrt: -0.20 mrf: -2.08 mtf: -3.89 ( $\times 10^{16}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 88° 62° 179° P-axis: -4.67 310° 19°  
 NP2: 179° 89° 28° T-axis: 4.16 47° 21°  
 N-axis: 0.51 181° 62°  
 V.R.: 21%  $\epsilon$ : -0.11 N: 5 COMP: 15

1998/08/16 03:31: 7.8  
 HIDA MOUNTAINS REGION  
 Hypo.: 36°19.6'N 137°37.5'E 3km



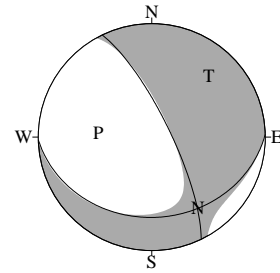
Cent.: 36°19.2'N 137°36.1'E 10km  $\Delta t = 4.5$   
 Mo:  $2.00 \times 10^{17}$  N·m Mw: 5.5 Mj: 5.6 (sec)  
 mrr: 0.11 mtt: -0.85 mff: 0.75  
 mrt: -0.01 mrf: -0.38 mtf: -1.76 ( $\times 10^{17}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 192° 87° 11° P-axis: -2.00 327° 6°  
 NP2: 102° 79° 177° T-axis: 1.90 58° 10°  
 N-axis: 0.10 206° 78°  
 V.R.: 20%  $\epsilon$ : -0.04 N: 5 COMP: 15

1998/08/16 23:05:19.5  
 E OFF FUKUSHIMA PREF  
 Hypo.: 37°15.0'N 141°45.5'E 42km



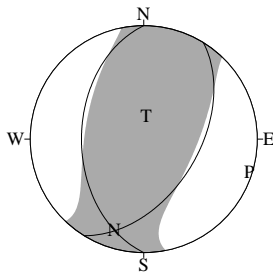
Cent.: 37°18.8'N 141°49.3'E 40km  $\Delta t = 10.1$   
 Mo:  $6.74 \times 10^{16}$  N·m Mw: 5.2 Mj: 5.3 (sec)  
 mrr: 6.61 mtt: -0.48 mff: -6.14  
 mrt: -0.11 mrf: 0.86 mtf: -1.99 ( $\times 10^{16}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 14° 48° 86° P-axis: -6.81 107° 3°  
 NP2: 201° 42° 95° T-axis: 6.68 244° 85°  
 N-axis: 0.13 17° 3°  
 V.R.: 21%  $\epsilon$ : -0.02 N: 7 COMP: 21

1998/08/20 15:40:53.8  
 W OFF OGASAWARA  
 Hypo.: 28°53.4'N 139°54.7'E 467km



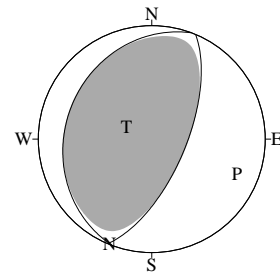
Cent.: 28°58.5'N 139°53.5'E 445km  $\Delta t = 12.6$   
 Mo:  $4.64 \times 10^{19}$  N·m Mw: 7.0 Mj: 7.1 (sec)  
 mrr: -1.93 mtt: 2.08 mff: -0.15  
 mrt: 1.00 mrf: -3.64 mtf: -1.81 ( $\times 10^{19}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 89° 30° -152° P-axis: -4.81 275° 51°  
 NP2: 334° 77° -63° T-axis: 4.46 43° 27°  
 N-axis: 0.35 147° 26°  
 V.R.: 65%  $\epsilon$ : -0.07 N: 13 COMP: 39

1998/09/03 16:58:17.2  
 NORTHERN IWATE PREF  
 Hypo.: 39°48.3'N 140°54.0'E 8km



Cent.: 39°45.3'N 140°54.2'E 10km  $\Delta t = -0.9$   
 Mo:  $0.94 \times 10^{18}$  N·m Mw: 5.9 Mj: 6.2 (sec)  
 mrr: 0.77 mtt: 0.18 mff: -0.95  
 mrt: 0.18 mrf: 0.05 mtf: -0.36 ( $\times 10^{18}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 32° 51° 112° P-axis: -1.06 107° 3°  
 NP2: 180° 44° 66° T-axis: 0.82 6° 73°  
 N-axis: 0.24 198° 17°  
 V.R.: 39%  $\epsilon$ : -0.23 N: 11 COMP: 33

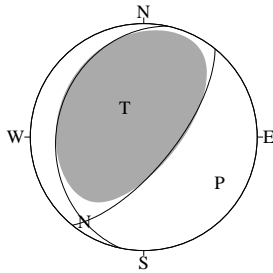
1998/09/15 16:24: 2.6  
 SOUTHERN MIYAGI PREF  
 Hypo.: 38°16.9'N 140°45.6'E 13km



Cent.: 38°28.3'N 140°46.3'E 19km  $\Delta t = 7.2$   
 Mo:  $6.29 \times 10^{16}$  N·m Mw: 5.1 Mj: 5.2 (sec)  
 mrr: 4.87 mtt: -0.83 mff: -4.04  
 mrt: 1.64 mrf: 3.78 mtf: -1.50 ( $\times 10^{16}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 23° 65° 91° P-axis: -6.17 112° 20°  
 NP2: 200° 25° 88° T-axis: 6.41 295° 70°  
 N-axis: -0.24 202° 1°  
 V.R.: 24%  $\epsilon$ : 0.04 N: 10 COMP: 30

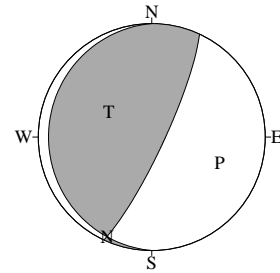
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

1998/10/03 20:15:43.0  
 NW OFF AMAMI-OSHIMA IS  
 Hypo.:28°35.8'N 127°32.3'E 183km



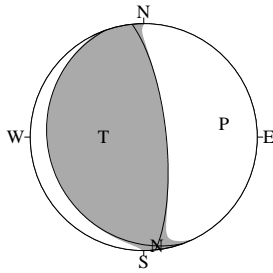
Cent.:28° 5.8'N 127°50.4'E 235km  $\Delta t = 0.2$   
 Mo:  $1.55 \times 10^{18}$  N·m Mw:6.1 Mj:6.1 (sec)  
 mrr: 1.12 mtt:-0.23 mff:-0.88  
 mrt: 0.81 mrf: 0.77 mtf:-0.34 ( $\times 10^{18}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 39° 68° 101° P-axis:-1.46 121° 23°  
 NP2:192° 24° 65° T-axis: 1.63 327° 65°  
 N-axis:-0.17 215° 10°  
 V.R.: 40%  $\epsilon$ : 0.10 N:9 COMP:27

1998/10/14 05:41:11.4  
 FAR E OFF SANRIKU  
 Hypo.:40° 5.6'N 143°27.0'E 19km



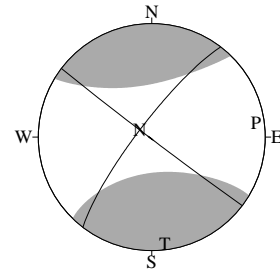
Cent.:39°58.4'N 143°34.5'E 10km  $\Delta t = 4.0$   
 Mo:  $2.20 \times 10^{17}$  N·m Mw:5.5 Mj:5.6 (sec)  
 mrr: 0.69 mtt: 0.00 mff:-0.69  
 mrt: 0.92 mrf: 1.92 mtf:-0.16 ( $\times 10^{17}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 25° 81° 94° P-axis:-2.20 111° 36°  
 NP2:180° 10° 65° T-axis: 2.20 300° 54°  
 N-axis: 0.00 204° 4°  
 V.R.: 42%  $\epsilon$ : 0.00 N:10 COMP:30

1998/10/27 20:33:33.8  
 FAR E OFF IZU ISLANDS  
 Hypo.:33°27.3'N 142° 0.0'E 79km



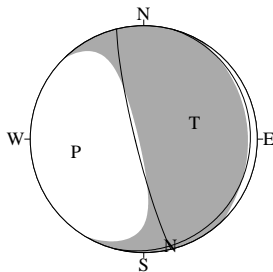
Cent.:33°48.1'N 141°58.4'E 15km  $\Delta t = 14.4$   
 Mo:  $6.90 \times 10^{17}$  N·m Mw:5.8 Mj:6.1 (sec)  
 mrr: 3.59 mtt: 0.02 mff:-3.62  
 mrt:-0.49 mrf: 5.81 mtf: 0.85 ( $\times 10^{17}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1:354° 74° 94° P-axis:-7.00 81° 29°  
 NP2:160° 17° 77° T-axis: 6.80 270° 61°  
 N-axis: 0.20 173° 4°  
 V.R.: 36%  $\epsilon$ :-0.02 N:10 COMP:30

1998/11/20 00:39:18.8  
 FAR S OFF ISHIGAKIJIMA  
 Hypo.:22°51.1'N 125°45.1'E 0km



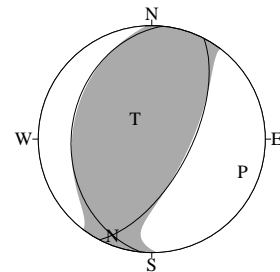
Cent.:22°25.7'N 126° 3.9'E 20km  $\Delta t = 4.5$   
 Mo:  $4.19 \times 10^{18}$  N·m Mw:6.3 Mj:6.5 (sec)  
 mrr:-1.90 mtt: 4.95 mff:-3.05  
 mrt:-0.78 mrf: 0.07 mtf: 1.06 ( $\times 10^{18}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1:217° 80° -179° P-axis:-3.21 82° 8°  
 NP2:127° 89° -10° T-axis: 5.17 173° 6°  
 N-axis:-1.96 301° 80°  
 V.R.: 48%  $\epsilon$ : 0.38 N:7 COMP:21

1998/12/14 13:30:54.8  
 NEAR TORISHIMA IS  
 Hypo.:30°58.4'N 138° 2.6'E 478km



Cent.:30°56.7'N 138° 5.0'E 509km  $\Delta t = -1.8$   
 Mo:  $2.00 \times 10^{17}$  N·m Mw:5.5 Mj:5.4 (sec)  
 mrr: 0.24 mtt: 0.37 mff:-0.61  
 mrt: 0.45 mrf:-1.91 mtf: 0.12 ( $\times 10^{17}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 15° 7° 119° P-axis:-2.20 259° 39°  
 NP2:166° 84° 87° T-axis: 1.80 72° 51°  
 N-axis: 0.40 166° 3°  
 V.R.: 26%  $\epsilon$ :-0.17 N:7 COMP:21

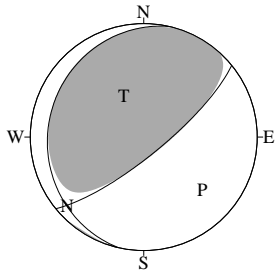
1998/12/16 09:18:45.2  
 SE OFF OSUMI PEN  
 Hypo.:31°18.0'N 131°35.3'E 24km



Cent.:31°28.4'N 131°35.7'E 24km  $\Delta t = 5.1$   
 Mo:  $5.20 \times 10^{17}$  N·m Mw:5.7 Mj:5.7 (sec)  
 mrr: 4.01 mtt: 0.15 mff:-4.16  
 mrt: 1.61 mrf: 2.38 mtf:-1.48 ( $\times 10^{17}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 27° 62° 101° P-axis:-5.40 110° 16°  
 NP2:186° 30° 71° T-axis: 5.00 321° 71°  
 N-axis: 0.50 202° 9°  
 V.R.: 23%  $\epsilon$ :-0.09 N:7 COMP:21

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

1998/12/17 21:49:38.1  
 FAR E OFF IBARAKI PREF  
 Hypo.: 36° 3.4' N 141° 22.9' E 40km



Cent.: 35° 49.0' N 141° 25.6' E 10km  $\Delta t = -0.9$   
 $M_0$ :  $5.26 \times 10^{16}$  N·m  $M_w$ : 5.1  $M_j$ : 5.1 (sec)  
 $m_{rr}$ : 2.42  $m_{tt}$ : -0.54  $m_{ff}$ : -1.88  
 $m_{rt}$ : 3.77  $m_{rf}$ : 2.72  $m_{tf}$ : -1.14 ( $\times 10^{16}$  N·m)  
 STR DIP SLIP MOM AZM PLG  
 NP1: 51° 77° 100° P-axis: -5.14 132° 31°  
 NP2: 193° 17° 53° T-axis: 5.39 334° 57°  
 N-axis: -0.24 228° 10°  
 V.R.: 21%  $\epsilon$ : 0.05 N:6 COMP:18

EQUAL AREA PROJECTON, LOWER HEMISPHERE.