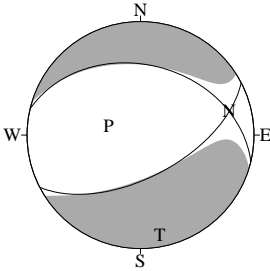


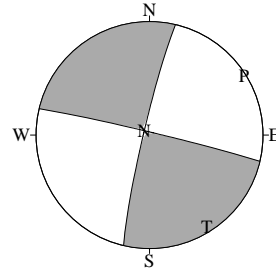
CMT SOLUTIONS FOR EARTHQUAKES IN 2002

2002/01/12 09:18:21.1
NW OFF MIYAKOJIMA ISLAND
Hypo.: 25°44.8'N 125°13.7'E 9km



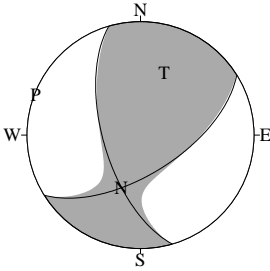
Cent.: 25° 0.9'N 125°16.8'E 10km $\Delta t = -0.9$
Mo: 1.20×10^{17} N·m Mw: 5.3 Mj: 5.4 (sec)
mrr: -0.93 mtt: 1.14 mff: -0.22
mrt: -0.37 mrf: -0.41 mtf: 0.19 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 62° 59° -114° P-axis: -1.10 287° 66°
NP2: 283° 38° -56° T-axis: 1.30 169° 11°
N-axis: -0.10 75° 20°
V.R.: 19% ϵ : 0.09 N: 8 COMP: 14

2002/01/16 22:33:10.6
NEAR MIYAKOJIMA ISLAND
Hypo.: 23°50.3'N 125°19.9'E 55km



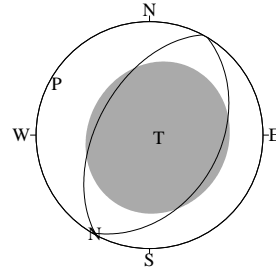
Cent.: 23°36.6'N 125°18.7'E 33km $\Delta t = 3.5$
Mo: 3.10×10^{17} N·m Mw: 5.6 Mj: 5.8 (sec)
mrr: 0.01 mtt: 1.40 mff: -1.40
mrt: -0.26 mrf: -0.06 mtf: 2.79 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 193° 86° 178° P-axis: -3.10 58° 2°
NP2: 283° 88° 4° T-axis: 3.10 148° 5°
N-axis: 0.00 310° 85°
V.R.: 20% ϵ : 0.00 N: 12 COMP: 24

2002/01/19 18:06:17.1
E OFF HOKKAIDO
Hypo.: 43°42.8'N 147°21.4'E 32km



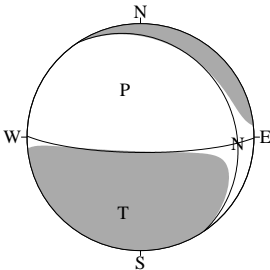
Cent.: 43°16.5'N 147°17.2'E 38km $\Delta t = 20.9$
Mo: 2.80×10^{17} N·m Mw: 5.6 Mj: 5.8 (sec)
mrr: 1.27 mtt: 1.06 mff: -2.33
mrt: 1.14 mrf: -0.49 mtf: -1.51 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 58° 62° 149° P-axis: -2.90 291° 1°
NP2: 164° 63° 32° T-axis: 2.70 21° 41°
N-axis: 0.20 200° 49°
V.R.: 21% ϵ : -0.07 N: 16 COMP: 39

2002/01/27 16:09:15.8
E OFF IWATE PREF
Hypo.: 39°19.1'N 142°24.7'E 46km



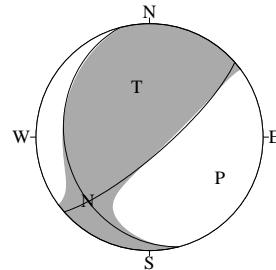
Cent.: 39°36.7'N 142°26.3'E 34km $\Delta t = 5.9$
Mo: 1.50×10^{17} N·m Mw: 5.4 Mj: 5.5 (sec)
mrr: 1.79 mtt: -0.81 mff: -0.98
mrt: -0.12 mrf: -0.33 mtf: -0.15 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 31° 38° 92° P-axis: -1.10 299° 7°
NP2: 208° 52° 88° T-axis: 1.80 108° 83°
N-axis: -0.70 209° 1°
V.R.: 26% ϵ : 0.39 N: 13 COMP: 18

2002/02/02 06:55:18.9
NEAR VLADIVOSTOK
Hypo.: 45°19.7'N 136°50.1'E 407km



Cent.: 45°28.8'N 136°51.2'E 412km $\Delta t = 3.4$
Mo: 8.40×10^{17} N·m Mw: 5.9 Mj: 5.8 (sec)
mrr: -2.79 mtt: 3.29 mff: -0.50
mrt: -7.48 mrf: -0.14 mtf: -2.28 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 90° 79° -106° P-axis: -8.10 342° 54°
NP2: 326° 19° -36° T-axis: 8.70 193° 32°
N-axis: -0.60 94° 15°
V.R.: 38% ϵ : 0.07 N: 16 COMP: 35

2002/02/12 12:27:26.4
TAIWAN REGION
Hypo.: 23°54.4'N 121°42.6'E 87km

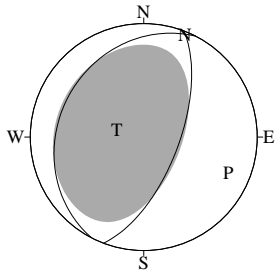


Cent.: 24°16.9'N 121°42.7'E 70km $\Delta t = 6.8$
Mo: 4.40×10^{17} N·m Mw: 5.7 Mj: 5.9 (sec)
mrr: 1.58 mtt: 0.81 mff: -2.40
mrt: 2.88 mrf: 2.31 mtf: -1.32 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 49° 78° 113° P-axis: -4.60 120° 29°
NP2: 165° 26° 29° T-axis: 4.20 346° 52°
N-axis: 0.40 224° 23°
V.R.: 24% ϵ : -0.09 N: 5 COMP: 11

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

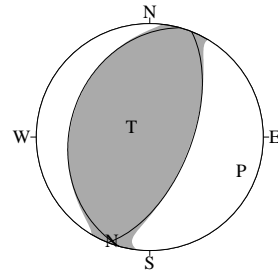
Hypo.: Location of hypocenter, Cent.: Location of centroid, Δt : Centroid time minus origin time
Mo: Total scalar moment, Mw: Moment Magnitude, Mj: JMA Magnitude
mrr, mtt, mff, mrt, mrf, mtf: Moment tensor components, STR, DIP, SLIP: Fault parameters of nodal plane
MOM, AZM, PLG: Moment tensor component,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

2002/02/12 22:44:37.9
 E OFF IBARAKI PREF
 Hypo.:36°35.3'N 141° 4.9'E 48km



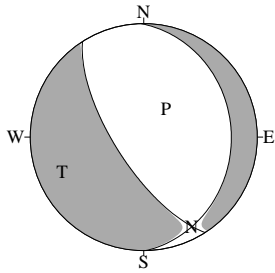
Cent.:36°30.1'N 141° 7.7'E 44km $\Delta t = 5.8$
 Mo: 2.40×10^{17} N·m Mw:5.5 Mj:5.7 (sec)
 mrr: 2.06 mtt:-0.60 mff:-1.46
 mrt: 0.47 mrf: 1.46 mtf:-0.51 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 21° 65° 87° P-axis:-2.20 113° 20°
 NP2:207° 26° 96° T-axis: 2.60 285° 70°
 N-axis:-0.40 22° 3°
 V.R.: 18% ϵ : 0.14 N:18 COMP:41

2002/02/14 10:12:21.5
 E OFF AOMORI PREF
 Hypo.:41°27.9'N 142° 3.7'E 64km



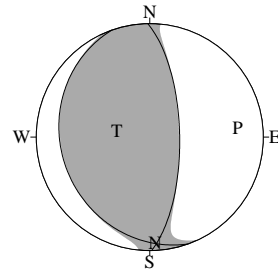
Cent.:41°38.7'N 142° 5.4'E 57km $\Delta t = 6.0$
 Mo: 1.50×10^{17} N·m Mw:5.4 Mj:5.1 (sec)
 mrr: 1.26 mtt:-0.08 mff:-1.18
 mrt: 0.31 mrf: 0.69 mtf:-0.42 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 22° 60° 93° P-axis:-1.50 110° 15°
 NP2:196° 30° 85° T-axis: 1.50 299° 75°
 N-axis: 0.10 200° 3°
 V.R.: 22% ϵ :-0.04 N:16 COMP:29

2002/03/05 05:21:20.1
 NEAR CHICHIJIMA ISLAND
 Hypo.:28°31.4'N 143°12.9'E 35km



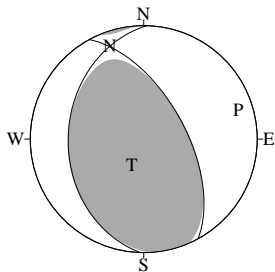
Cent.:28°30.0'N 143°12.7'E 19km $\Delta t = 12.7$
 Mo: 3.30×10^{17} N·m Mw:5.6 Mj:5.5 (sec)
 mrr:-2.09 mtt: 0.01 mff: 2.08
 mrt:-1.49 mrf: 1.89 mtf:-0.71 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:359° 24° -61° P-axis:-3.30 38° 64°
 NP2:147° 69° -102° T-axis: 3.30 247° 23°
 N-axis: 0.00 152° 11°
 V.R.: 31% ϵ : 0.01 N:11 COMP:21

2002/03/11 10:46:18.7
 NEAR TORISHIMA IS
 Hypo.:30°39.7'N 141°55.2'E 48km



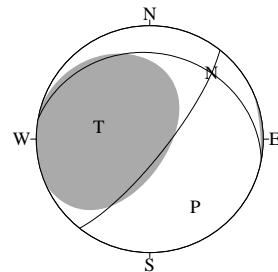
Cent.:30°45.4'N 141°55.4'E 10km $\Delta t = 3.0$
 Mo: 5.00×10^{17} N·m Mw:5.7 Mj:5.9 (sec)
 mrr: 3.30 mtt: 0.16 mff:-3.46
 mrt: 0.13 mrf: 3.64 mtf: 0.64 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:359° 69° 97° P-axis:-5.10 84° 23°
 NP2:161° 23° 73° T-axis: 4.90 281° 66°
 N-axis: 0.20 177° 7°
 V.R.: 24% ϵ :-0.04 N:20 COMP:39

2002/03/20 13:00:19.1
 NEAR TORISHIMA IS
 Hypo.:30°36.4'N 142°22.0'E 29km



Cent.:30°37.9'N 142°25.9'E 10km $\Delta t = 8.2$
 Mo: 7.50×10^{17} N·m Mw:5.8 Mj:5.9 (sec)
 mrr: 6.32 mtt:-0.12 mff:-6.21
 mrt:-2.73 mrf: 2.60 mtf: 1.50 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:331° 60° 74° P-axis:-7.30 73° 14°
 NP2:182° 34° 116° T-axis: 7.60 205° 70°
 N-axis:-0.30 340° 14°
 V.R.: 34% ϵ : 0.04 N:18 COMP:31

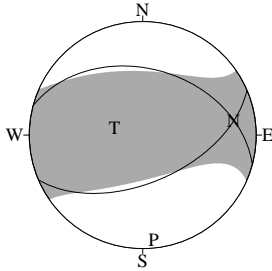
2002/03/26 12:45:43.4
 NEAR ISHIGAKIJIMA ISLAND
 Hypo.:23°11.8'N 124°15.9'E 0km



Cent.:23°24.9'N 124°12.5'E 10km $\Delta t = 21.0$
 Mo: 6.02×10^{18} N·m Mw:6.5 Mj:7.0 (sec)
 mrr: 2.99 mtt:-3.46 mff: 0.46
 mrt: 1.94 mrf: 5.05 mtf:-0.23 ($\times 10^{18}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 38° 78° 68° P-axis:-4.92 146° 29°
 NP2:280° 25° 150° T-axis: 7.12 283° 52°
 N-axis:-2.20 43° 21°
 V.R.: 28% ϵ : 0.31 N:12 COMP:36

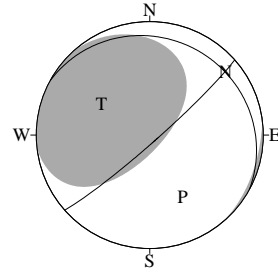
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2002/03/31 15:52:50.0
 TAIWAN REGION
 Hypo.: 24°13.9'N 121°58.2'E 55km



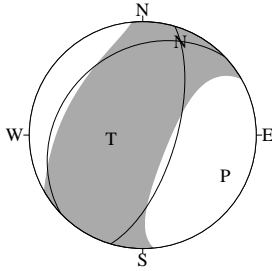
Cent.: 23°29.4'N 121°51.1'E 37km $\Delta t = 7.3$
 Mo: 7.55×10^{19} N·m Mw: 7.2 Mj: 7.0 (sec)
 mrr: 5.72 mtt: -8.27 mff: 2.54
 mrt: 1.76 mrf: 1.58 mtf: -1.03 ($\times 10^{19}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 67° 56° 66° P-axis: -8.62 174° 8°
 NP2: 285° 41° 121° T-axis: 6.48 284° 69°
 N-axis: 2.14 81° 20°
 V.R.: 40% ϵ : -0.25 N: 9 COMP: 27

2002/04/01 23:42:56.1
 SOUTHERN SEA OF OKHOTSK
 Hypo.: 47°25.3'N 147°34.8'E 493km



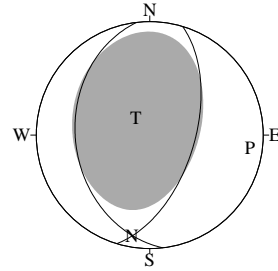
Cent.: 47°32.0'N 147°32.6'E 495km $\Delta t = 1.2$
 Mo: 7.10×10^{16} N·m Mw: 5.2 Mj: 5.3 (sec)
 mrr: 2.32 mtt: -2.70 mff: 0.37
 mrt: 4.35 mrf: 5.31 mtf: 1.35 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 49° 85° 75° P-axis: -5.83 152° 38°
 NP2: 299° 15° 159° T-axis: 8.38 303° 48°
 N-axis: -2.56 50° 14°
 V.R.: 39% ϵ : 0.31 N: 5 COMP: 9

2002/04/04 08:42:14.8
 E OFF AOMORI PREF
 Hypo.: 41°28.4'N 142° 0.5'E 59km



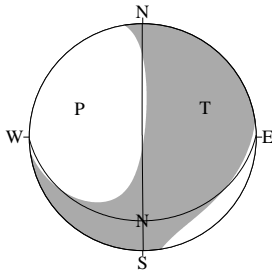
Cent.: 41°37.8'N 142° 0.2'E 79km $\Delta t = 5.4$
 Mo: 2.90×10^{17} N·m Mw: 5.6 Mj: 5.4 (sec)
 mrr: 1.60 mtt: 0.33 mff: -1.93
 mrt: 0.59 mrf: 1.75 mtf: -1.62 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 17° 66° 77° P-axis: -3.40 116° 20°
 NP2: 226° 27° 117° T-axis: 2.30 263° 67°
 N-axis: 1.10 22° 12°
 V.R.: 15% ϵ : -0.32 N: 14 COMP: 24

2002/05/06 17:12: 4.1
 E OFF MIYAGI PREF
 Hypo.: 38°27.9'N 142° 9.0'E 40km



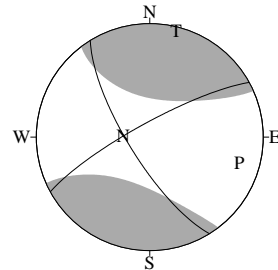
Cent.: 38°24.3'N 142°11.3'E 41km $\Delta t = 0.6$
 Mo: 2.96×10^{16} N·m Mw: 4.9 Mj: 5.0 (sec)
 mrr: 2.84 mtt: -0.37 mff: -2.47
 mrt: 0.84 mrf: 1.04 mtf: -0.13 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 17° 58° 103° P-axis: -2.70 97° 12°
 NP2: 173° 35° 70° T-axis: 3.22 322° 74°
 N-axis: -0.52 190° 11°
 V.R.: 15% ϵ : 0.16 N: 12 COMP: 16

2002/05/12 10:29:37.0
 SOUTHERN IWATE PREF
 Hypo.: 39° 9.1'N 141° 9.1'E 96km



Cent.: 39°20.6'N 141° 8.6'E 95km $\Delta t = 2.0$
 Mo: 1.00×10^{17} N·m Mw: 5.3 Mj: 5.2 (sec)
 mrr: -0.03 mtt: 0.16 mff: -0.13
 mrt: -0.13 mrf: -0.92 mtf: -0.47 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 89° 27° 179° P-axis: -1.20 294° 39°
 NP2: 179° 90° 63° T-axis: 0.90 65° 39°
 N-axis: 0.20 180° 27°
 V.R.: 26% ϵ : -0.20 N: 16 COMP: 28

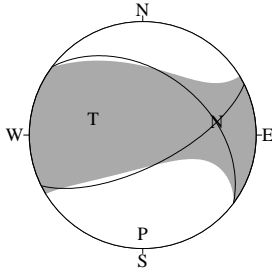
2002/05/22 05:04:17.1
 NEAR KUNASHIRI ISLAND
 Hypo.: 44°16.7'N 146°44.4'E 146km



Cent.: 44° 5.9'N 146°42.5'E 109km $\Delta t = 14.3$
 Mo: 1.70×10^{17} N·m Mw: 5.4 Mj: 5.7 (sec)
 mrr: -0.78 mtt: 1.88 mff: -1.10
 mrt: 0.23 mrf: 0.14 mtf: -0.82 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 241° 80° -164° P-axis: -1.40 106° 19°
 NP2: 148° 74° -11° T-axis: 2.10 14° 4°
 N-axis: -0.70 273° 71°
 V.R.: 42% ϵ : 0.35 N: 11 COMP: 29

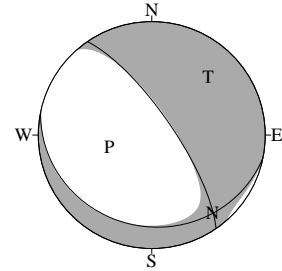
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2002/05/29 01:45:18.5
 TAIWAN REGION
 Hypo.: 23°57.7'N 122°16.6'E 30km



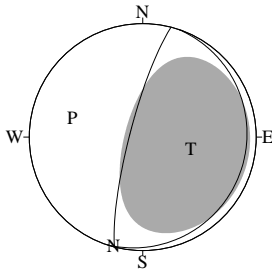
Cent.: 23°33.6'N 122°19.6'E 32km $\Delta t=10.0$
 Mo: 1.28×10^{18} N·m Mw: 6.0 Mj: 6.1 (sec)
 mrr: 0.72 mtt: -1.32 mff: 0.60
 mrt: 0.53 mrf: 0.36 mtf: 0.09 ($\times 10^{18}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 63° 67° 52° P-axis: -1.45 180° 14°
 NP2: 307° 43° 145° T-axis: 1.11 288° 52°
 N-axis: 0.34 80° 34°
 V.R.: 30% ϵ : -0.23 N:11 COMP:33

2002/06/03 18:15: 1.6
 W OFF OGASAWARA
 Hypo.: 27°40.9'N 140°27.3'E 521km



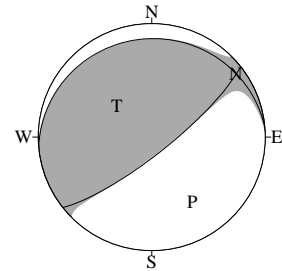
Cent.: 27°22.7'N 140°22.0'E 499km $\Delta t=-3.0$
 Mo: 8.00×10^{17} N·m Mw: 5.9 Mj: 6.1 (sec)
 mrr: -4.04 mtt: 3.14 mff: 0.90
 mrt: 3.27 mrf: -5.89 mtf: -2.17 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 102° 20° -132° P-axis: -8.20 254° 58°
 NP2: 325° 75° -76° T-axis: 7.70 44° 29°
 N-axis: 0.40 142° 14°
 V.R.: 59% ϵ : -0.05 N:18 COMP:38

2002/06/29 02:19:33.0
 NEAR VLADIVOSTOK
 Hypo.: 43°30.2'N 131°23.5'E 589km



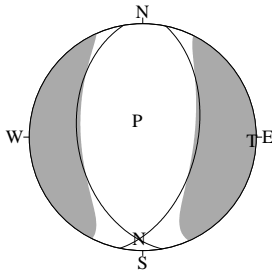
Cent.: 43°58.8'N 131° 9.9'E 617km $\Delta t= 1.5$
 Mo: 9.25×10^{19} N·m Mw: 7.2 Mj: 7.0 (sec)
 mrr: 4.14 mtt: -2.31 mff: -1.83
 mrt: -2.14 mrf: -8.49 mtf: 0.03 ($\times 10^{19}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 18° 9° 94° P-axis: -8.10 285° 36°
 NP2: 195° 81° 89° T-axis: 10.40 104° 54°
 N-axis: -2.30 195° 1°
 V.R.: 55% ϵ : 0.22 N:17 COMP:51

2002/07/11 16:36:24.4
 TAIWAN REGION
 Hypo.: 23°59.7'N 122°12.4'E 23km



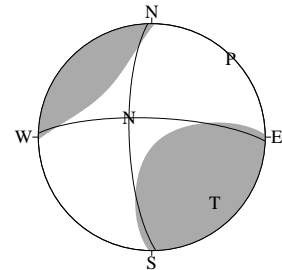
Cent.: 23°35.4'N 122°16.4'E 10km $\Delta t= 1.1$
 Mo: 1.20×10^{18} N·m Mw: 6.0 Mj: 6.1 (sec)
 mrr: 0.46 mtt: -0.45 mff: -0.01
 mrt: 0.83 mrf: 0.69 mtf: -0.23 ($\times 10^{18}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 52° 78° 82° P-axis: -1.22 148° 33°
 NP2: 265° 14° 123° T-axis: 1.17 312° 56°
 N-axis: 0.05 53° 8°
 V.R.: 26% ϵ : -0.04 N:8 COMP:18

2002/07/16 20:57:25.0
 E OFF TANEGASHIMA ISLAND
 Hypo.: 30°46.6'N 132°29.7'E 61km



Cent.: 30°28.5'N 132°37.1'E 10km $\Delta t= 3.6$
 Mo: 2.10×10^{17} N·m Mw: 5.5 Mj: 5.2 (sec)
 mrr: -1.76 mtt: -0.50 mff: 2.26
 mrt: -0.26 mrf: -0.28 mtf: 0.06 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 12° 50° -76° P-axis: -1.80 341° 78°
 NP2: 170° 42° -106° T-axis: 2.30 92° 4°
 N-axis: -0.50 182° 11°
 V.R.: 32% ϵ : 0.20 N:17 COMP:31

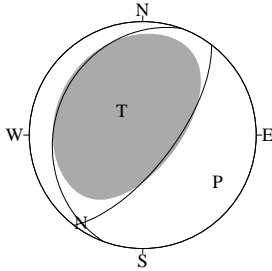
2002/07/18 19:13:16.8
 NW OFF OKINAWAJIMA IS
 Hypo.: 27°27.2'N 126°59.0'E 13km



Cent.: 27°18.6'N 126°55.4'E 10km $\Delta t= 4.7$
 Mo: 1.00×10^{17} N·m Mw: 5.3 Mj: 5.6 (sec)
 mrr: -0.09 mtt: 0.05 mff: 0.04
 mrt: -0.36 mrf: -0.33 mtf: 0.92 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 272° 76° 17° P-axis: -0.90 45° 2°
 NP2: 178° 74° 166° T-axis: 1.20 136° 21°
 N-axis: -0.30 310° 69°
 V.R.: 26% ϵ : 0.24 N:8 COMP:16

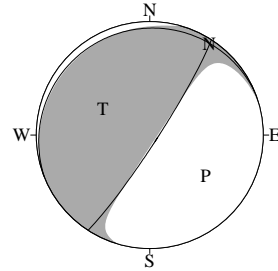
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2002/07/24 05:05:30.3
 E OFF FUKUSHIMA PREF
 Hypo.: 37°13.9'N 142°18.9'E 30km



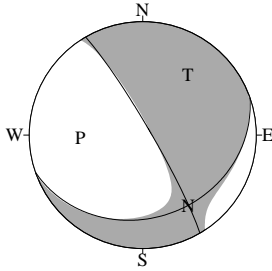
Cent.: 37° 1.0'N 142°20.3'E 29km Δt= 4.4
 Mo: 2.90x10¹⁷N·m Mw:5.6 Mj:5.9 (sec)
 mrr: 2.22 mtt:-0.68 mff:-1.54
 mrt: 1.39 mrf: 1.49 mtf:-0.53 (x10¹⁷N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 37° 68° 97° P-axis: -2.60 122° 23°
 NP2: 200° 23° 74° T-axis: 3.10 319° 67°
 N-axis: -0.50 215° 6°
 V.R.: 20% ε: 0.16 N:16 COMP:40

2002/07/25 21:31: 1.4
 E OFF HOKKAIDO
 Hypo.: 43°33.3'N 147°27.3'E 12km



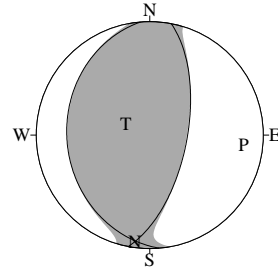
Cent.: 43°38.7'N 147°26.1'E 13km Δt=10.5
 Mo: 1.48x10¹⁸N·m Mw:6.0 Mj:5.8 (sec)
 mrr: 0.24 mtt:-0.13 mff:-0.12
 mrt: 0.79 mrf: 1.22 mtf:-0.24 (x10¹⁸N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 33° 84° 86° P-axis: -1.53 126° 39°
 NP2: 248° 7° 124° T-axis: 1.44 299° 51°
 N-axis: 0.10 33° 4°
 V.R.: 20% ε:-0.06 N:9 COMP:23

2002/08/03 08:11:40.4
 NEAR TORISHIMA IS
 Hypo.: 29°20.2'N 139°35.1'E 449km



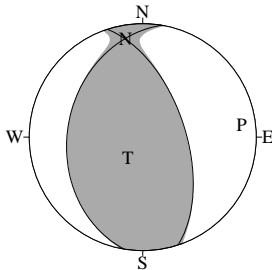
Cent.: 29°17.1'N 139°30.3'E 443km Δt= 0.4
 Mo: 2.69x10¹⁸N·m Mw:6.2 Mj:6.2 (sec)
 mrr:-0.51 mtt: 1.25 mff:-0.74
 mrt: 0.98 mrf:-2.15 mtf:-0.71 (x10¹⁸N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 71° 28° -168° P-axis: -2.79 267° 44°
 NP2: 330° 84° -63° T-axis: 2.60 37° 34°
 N-axis: 0.19 147° 27°
 V.R.: 55% ε:-0.07 N:19 COMP:43

2002/08/12 06:55:29.6
 E OFF AOMORI PREF
 Hypo.: 41° 5.1'N 142°38.0'E 26km



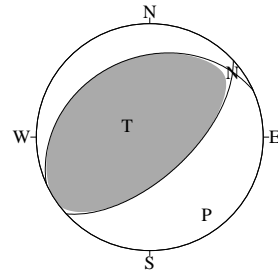
Cent.: 41°14.6'N 142°37.9'E 29km Δt= 1.7
 Mo: 2.12x10¹⁶N·m Mw:4.8 Mj:5.1 (sec)
 mrr: 1.66 mtt: 0.10 mff:-1.76
 mrt: 0.34 mrf: 1.20 mtf:-0.11 (x10¹⁶N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 11° 63° 97° P-axis: -2.16 96° 18°
 NP2: 176° 28° 76° T-axis: 2.08 296° 71°
 N-axis: 0.08 188° 6°
 V.R.: 16% ε:-0.03 N:10 COMP:20

2002/08/20 19:59:32.6
 NEAR TORISHIMA IS
 Hypo.: 30°59.7'N 142° 6.2'E 28km



Cent.: 31° 5.4'N 142° 5.7'E 10km Δt=12.0
 Mo: 1.56x10¹⁸N·m Mw:6.1 Mj:6.4 (sec)
 mrr: 1.31 mtt: 0.11 mff:-1.42
 mrt:-0.41 mrf: 0.62 mtf: 0.12 (x10¹⁸N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 342° 59° 75° P-axis: -1.58 83° 13°
 NP2: 190° 34° 114° T-axis: 1.54 216° 72°
 N-axis: 0.03 350° 13°
 V.R.: 28% ε:-0.02 N:18 COMP:50

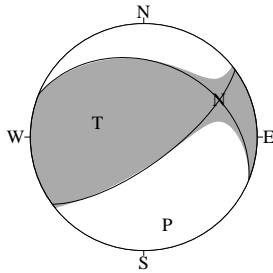
2002/08/25 03:40:53.9
 OFF NEMURO PENINSULA
 Hypo.: 43° 5.4'N 146° 7.1'E 44km



Cent.: 42°38.8'N 146°11.6'E 40km Δt= 1.8
 Mo: 1.59x10¹⁸N·m Mw:6.1 Mj:6.0 (sec)
 mrr: 1.34 mtt:-0.94 mff:-0.40
 mrt: 0.53 mrf: 0.66 mtf:-0.62 (x10¹⁸N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 47° 61° 81° P-axis: -1.58 144° 16°
 NP2: 246° 30° 106° T-axis: 1.60 296° 72°
 N-axis: -0.02 52° 8°
 V.R.: 16% ε: 0.02 N:5 COMP:15

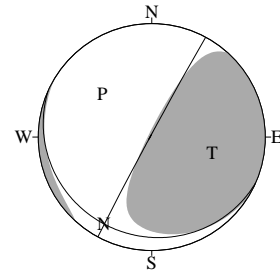
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2002/09/15 10:06:56.0
 NW OFF ISHIGAKIJIMA IS
 Hypo.:24° 3.2'N 122°24.3'E 31km



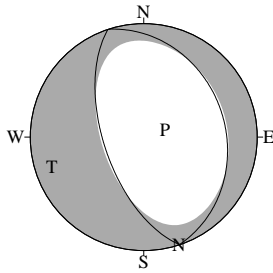
Cent.:23°40.9'N 122°24.2'E 25km $\Delta t = 6.7$
 Mo: $8.69 \times 10^{16} \text{N}\cdot\text{m}$ Mw:5.2 Mj:5.3 (sec)
 mrr: 4.69 mtt:-6.99 mff: 2.30
 mrt: 4.11 mrf: 4.34 mtf:-1.38 ($\times 10^{16} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 54° 71° 62° P-axis:-8.96 165° 21°
 NP2:292° 34° 143° T-axis: 8.42 287° 55°
 N-axis: 0.54 64° 27°
 V.R.: 23% ϵ :-0.06 N:5 COMP:11

2002/09/15 17:39:31.7
 NEAR VLADIVOSTOK
 Hypo.:44°48.3'N 130°35.6'E 644km



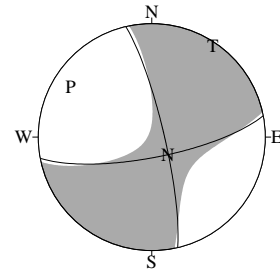
Cent.:44°44.4'N 130°36.4'E 670km $\Delta t = 6.1$
 Mo: $5.28 \times 10^{18} \text{N}\cdot\text{m}$ Mw:6.4 Mj:6.3 (sec)
 mrr: 0.48 mtt:-1.48 mff: 1.01
 mrt:-2.21 mrf:-4.63 mtf:-0.36 ($\times 10^{18} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1:114° 14° 175° P-axis:-4.94 311° 42°
 NP2:208° 89° 76° T-axis: 5.61 105° 44°
 N-axis:-0.68 209° 14°
 V.R.: 73% ϵ : 0.12 N:14 COMP:38

2002/09/16 09:03:31.9
 NW OFF ISHIGAKIJIMA IS
 Hypo.:25°10.1'N 122°26.6'E 157km



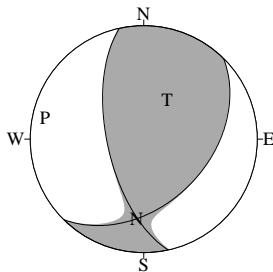
Cent.:25°36.7'N 122°29.0'E 184km $\Delta t = 9.4$
 Mo: $1.90 \times 10^{17} \text{N}\cdot\text{m}$ Mw:5.4 Mj:5.9 (sec)
 mrr:-1.69 mtt: 0.33 mff: 1.36
 mrt:-0.32 mrf: 0.95 mtf:-0.38 ($\times 10^{17} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1:342° 29° -90° P-axis:-2.00 71° 74°
 NP2:162° 61° -90° T-axis: 1.80 252° 16°
 N-axis: 0.20 162° 0°
 V.R.: 21% ϵ :-0.10 N:11 COMP:23

2002/09/16 10:10:49.8
 EASTERN TOTTORI PREF
 Hypo.:35°22.2'N 133°44.3'E 10km



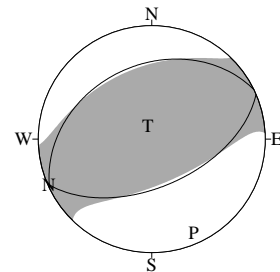
Cent.:35°19.4'N 133°43.6'E 19km $\Delta t = 5.6$
 Mo: $8.63 \times 10^{16} \text{N}\cdot\text{m}$ Mw:5.2 Mj:5.5 (sec)
 mrr: 0.30 mtt: 3.21 mff:-3.51
 mrt:-1.13 mrf:-2.68 mtf:-7.46 ($\times 10^{16} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 79° 75° -171° P-axis:-9.20 302° 17°
 NP2:347° 81° -15° T-axis: 8.07 34° 4°
 N-axis: 1.13 137° 73°
 V.R.: 21% ϵ :-0.12 N:13 COMP:39

2002/09/17 12:58:12.4
 NEAR TORISHIMA IS
 Hypo.:30°57.6'N 141°55.9'E 54km



Cent.:30°25.1'N 141°49.1'E 41km $\Delta t = 1.0$
 Mo: $2.40 \times 10^{17} \text{N}\cdot\text{m}$ Mw:5.5 Mj:5.7 (sec)
 mrr: 1.58 mtt: 0.48 mff:-2.06
 mrt: 0.81 mrf:-1.05 mtf:-0.79 ($\times 10^{17} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 45° 42° 139° P-axis:-2.50 282° 12°
 NP2:168° 64° 56° T-axis: 2.40 31° 57°
 N-axis: 0.10 185° 30°
 V.R.: 16% ϵ :-0.02 N:18 COMP:32

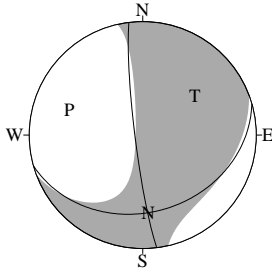
2002/09/18 13:13:40.2
 KURILE ISLANDS REGION
 Hypo.:45°19.1'N 151°28.5'E 30km



Cent.:45°18.8'N 151°39.4'E 27km $\Delta t = 0.7$
 Mo: $1.30 \times 10^{17} \text{N}\cdot\text{m}$ Mw:5.4 Mj:5.5 (sec)
 mrr: 1.15 mtt:-1.09 mff:-0.06
 mrt: 0.43 mrf: 0.17 mtf:-0.59 ($\times 10^{17} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 67° 55° 92° P-axis:-1.40 156° 10°
 NP2:244° 35° 88° T-axis: 1.20 344° 80°
 N-axis: 0.20 246° 1°
 V.R.: 17% ϵ :-0.14 N:7 COMP:11

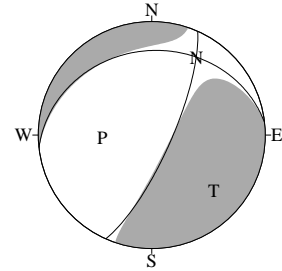
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2002/09/20 20:29: 5.9
 FAR S OFF TOKAI DISTRICT
 Hypo.:33°11.7'N 137°52.7'E 347km



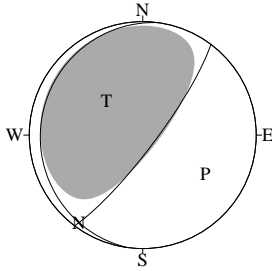
Cent.:33°20.0'N 137°54.5'E 341km $\Delta t = 0.2$
 Mo: 3.36×10^{16} N·m Mw:5.0 Mj:5.0 (sec)
 mrr: 0.50 mtt: 0.81 mff:-1.31
 mrt: 0.07 mrf:-2.78 mtf:-1.61 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 74° 32° 169° P-axis:-3.69 289° 32°
 NP2:173° 84° 58° T-axis: 3.02 53° 42°
 N-axis: 0.67 176° 32°
 V.R.: 46% ϵ : -0.18 N:5 COMP:7

2002/10/02 16:33:42.1
 NEAR KUNASHIRI ISLAND
 Hypo.:44°22.6'N 146°44.6'E 119km



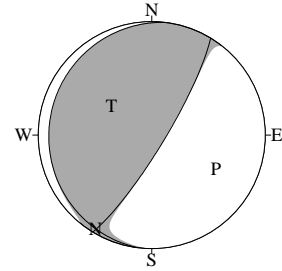
Cent.:44°38.0'N 146°43.6'E 122km $\Delta t = 2.1$
 Mo: 8.64×10^{16} N·m Mw:5.2 Mj:5.1 (sec)
 mrr:-3.53 mtt: 2.63 mff: 0.91
 mrt:-2.47 mrf:-6.54 mtf: 4.02 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 24° 76° -113° P-axis:-8.23 267° 54°
 NP2:264° 27° -33° T-axis: 9.05 132° 27°
 N-axis:-0.82 30° 22°
 V.R.: 26% ϵ : 0.09 N:11 COMP:15

2002/10/11 10:04: 0.0
 FAR E OFF FUKUSHIMA PREF
 Hypo.:37°43.6'N 142°47.9'E 27km



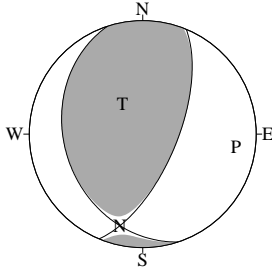
Cent.:37°45.9'N 142°46.8'E 10km $\Delta t = 3.3$
 Mo: 7.76×10^{16} N·m Mw:5.2 Mj:5.4 (sec)
 mrr: 2.93 mtt:-0.66 mff:-2.27
 mrt: 4.58 mrf: 5.71 mtf:-0.37 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 37° 81° 95° P-axis:-7.31 122° 35°
 NP2:188° 11° 61° T-axis: 8.21 313° 54°
 N-axis:-0.90 216° 5°
 V.R.: 27% ϵ : 0.11 N:5 COMP:13

2002/10/12 19:59:32.2
 FAR E OFF FUKUSHIMA PREF
 Hypo.:37°45.8'N 142°46.0'E 29km



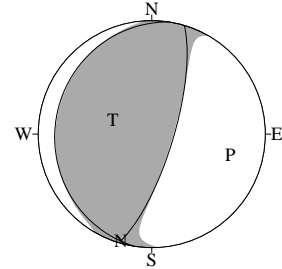
Cent.:37°49.6'N 142°44.4'E 10km $\Delta t = 6.4$
 Mo: 2.50×10^{17} N·m Mw:5.5 Mj:5.8 (sec)
 mrr: 0.76 mtt:-0.02 mff:-0.75
 mrt: 1.24 mrf: 2.00 mtf:-0.31 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 31° 81° 94° P-axis:-2.50 118° 36°
 NP2:187° 10° 66° T-axis: 2.50 306° 54°
 N-axis: 0.10 211° 4°
 V.R.: 18% ϵ : -0.03 N:13 COMP:37

2002/10/14 23:12:43.4
 E OFF AOMORI PREF
 Hypo.:41° 9.1'N 142°16.8'E 53km



Cent.:41°23.8'N 142°18.3'E 44km $\Delta t = 8.1$
 Mo: 1.64×10^{18} N·m Mw:6.1 Mj:6.1 (sec)
 mrr: 1.18 mtt: 0.16 mff:-1.34
 mrt: 0.61 mrf: 0.83 mtf:-0.05 ($\times 10^{18}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 22° 65° 110° P-axis:-1.62 98° 18°
 NP2:162° 31° 54° T-axis: 1.65 326° 64°
 N-axis:-0.03 194° 18°
 V.R.: 24% ϵ : 0.02 N:15 COMP:41

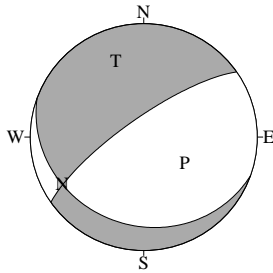
2002/10/21 01:06: 1.1
 E OFF IBARAKI PREF
 Hypo.:36°22.1'N 141° 7.4'E 50km



Cent.:36°13.7'N 141° 9.9'E 24km $\Delta t = 5.5$
 Mo: 2.10×10^{17} N·m Mw:5.5 Mj:5.4 (sec)
 mrr: 1.05 mtt: 0.04 mff:-1.09
 mrt: 0.54 mrf: 1.74 mtf:-0.28 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 17° 74° 92° P-axis:-2.20 105° 29°
 NP2:189° 16° 82° T-axis: 2.10 290° 60°
 N-axis: 0.10 196° 2°
 V.R.: 20% ϵ : -0.05 N:16 COMP:36

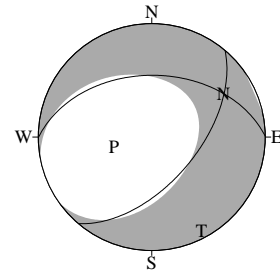
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2002/10/24 10:02:58.4
 NW OFF ISHIGAKIJIMA IS
 Hypo.:25°20.2'N 123°54.5'E 0km



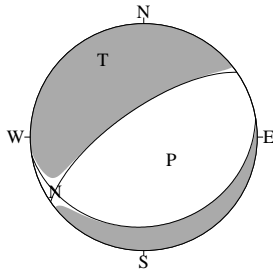
Cent.:24°59.8'N 123°56.3'E 22km $\Delta t=11.1$
 Mo: 1.80×10^{17} N·m Mw:5.4 Mj:5.6 (sec)
 mrr:-0.80 mtt: 1.07 mff:-0.27
 mrt: 1.18 mrf: 1.00 mtf: 0.18 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:110° 23° -37° P-axis:-1.80 122° 55°
 NP2:235° 76° -109° T-axis: 1.80 340° 29°
 N-axis: 0.00 240° 18°
 V.R.: 15% ϵ : 0.00 N:9 COMP:15

2002/10/24 13:19: 7.3
 NW OFF ISHIGAKIJIMA IS
 Hypo.:25°16.3'N 123°49.9'E 21km



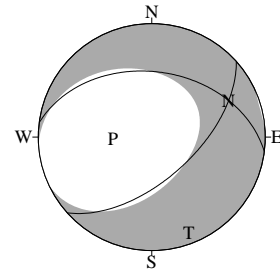
Cent.:25°24.0'N 123°48.8'E 10km $\Delta t=12.3$
 Mo: 1.40×10^{17} N·m Mw:5.4 Mj:5.5 (sec)
 mrr:-1.14 mtt: 1.00 mff: 0.14
 mrt: 0.10 mrf:-0.81 mtf: 0.45 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 40° 57° -122° P-axis:-1.60 256° 62°
 NP2:270° 45° -50° T-axis: 1.20 152° 7°
 N-axis: 0.30 59° 27°
 V.R.: 16% ϵ :-0.22 N:10 COMP:18

2002/10/24 13:35:15.7
 NW OFF ISHIGAKIJIMA IS
 Hypo.:25°13.5'N 123°53.5'E 25km



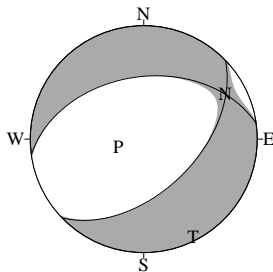
Cent.:24°57.4'N 123°53.9'E 19km $\Delta t= 1.6$
 Mo: 4.00×10^{17} N·m Mw:5.7 Mj:5.7 (sec)
 mrr:-2.49 mtt: 2.28 mff: 0.22
 mrt: 2.34 mrf: 1.87 mtf: 1.04 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 80° 22° -66° P-axis:-3.90 130° 64°
 NP2:235° 70° -99° T-axis: 4.00 332° 24°
 N-axis:-0.10 238° 9°
 V.R.: 21% ϵ : 0.02 N:6 COMP:8

2002/10/24 15:07: 6.9
 NW OFF ISHIGAKIJIMA IS
 Hypo.:25°11.8'N 123°48.5'E 33km



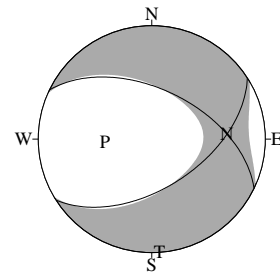
Cent.:24°52.1'N 123°48.6'E 10km $\Delta t= 0.2$
 Mo: 1.20×10^{17} N·m Mw:5.3 Mj:5.7 (sec)
 mrr:-1.00 mtt: 0.97 mff: 0.03
 mrt:-0.10 mrf:-0.75 mtf: 0.26 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 48° 60° -120° P-axis:-1.40 268° 62°
 NP2:277° 42° -49° T-axis: 1.10 159° 10°
 N-axis: 0.30 65° 26°
 V.R.: 18% ϵ :-0.23 N:9 COMP:15

2002/10/24 16:16:30.9
 NW OFF ISHIGAKIJIMA IS
 Hypo.:25°10.8'N 123°59.5'E 20km



Cent.:25°16.9'N 123°55.1'E 10km $\Delta t=10.1$
 Mo: 1.40×10^{17} N·m Mw:5.4 Mj:5.4 (sec)
 mrr:-1.28 mtt: 1.10 mff: 0.17
 mrt: 0.04 mrf:-0.49 mtf: 0.59 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 46° 52° -114° P-axis:-1.40 254° 71°
 NP2:262° 44° -62° T-axis: 1.40 153° 4°
 N-axis: 0.00 61° 19°
 V.R.: 19% ϵ :-0.03 N:5 COMP:9

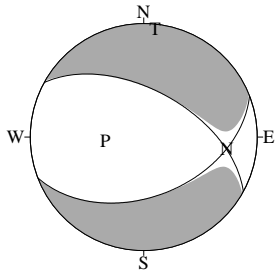
2002/10/24 22:23:22.9
 NW OFF ISHIGAKIJIMA IS
 Hypo.:25°14.0'N 123°50.9'E 12km



Cent.:24°59.8'N 123°50.3'E 10km $\Delta t= 6.0$
 Mo: 9.04×10^{16} N·m Mw:5.2 Mj:5.5 (sec)
 mrr:-6.27 mtt: 8.47 mff:-2.20
 mrt: 0.22 mrf:-4.93 mtf: 0.64 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 57° 54° -133° P-axis:-9.58 267° 56°
 NP2:296° 54° -46° T-axis: 8.50 176° 0°
 N-axis: 1.08 86° 34°
 V.R.: 16% ϵ :-0.11 N:7 COMP:17

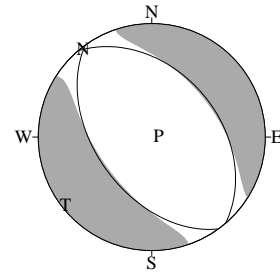
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2002/10/24 22:48:13.0
 NW OFF ISHIGAKIJIMA IS
 Hypo.: 25°12.9'N 123°44.4'E 34km



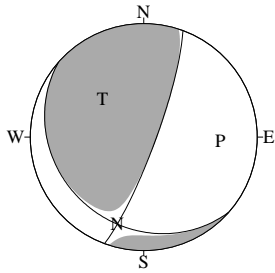
Cent.: 25°22.5'N 123°43.6'E 10km $\Delta t=13.3$
 Mo: 8.62×10^{16} N·m Mw:5.2 Mj:5.6 (sec)
 mrr:-6.60 mtt: 8.60 mff:-2.00
 mrt: 1.11 mrf:-3.43 mtf:-0.73 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 69° 46° -129° P-axis: -8.46 265° 62°
 NP2: 299° 56° -56° T-axis: 8.78 6° 5°
 N-axis: -0.32 98° 27°
 V.R.: 15% ϵ : 0.04 N:6 COMP:18

2002/10/25 23:40:52.5
 NEAR TANEGASHIMA ISLAND
 Hypo.: 30°30.2'N 130°11.7'E 115km



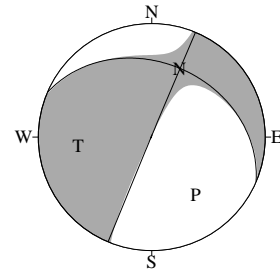
Cent.: 29°56.1'N 130°10.3'E 129km $\Delta t=-8.0$
 Mo: 1.10×10^{17} N·m Mw:5.3 Mj:5.2 (sec)
 mrr:-1.04 mtt: 0.36 mff: 0.67
 mrt:-0.07 mrf: 0.15 mtf:-0.64 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 320° 41° -93° P-axis: -1.10 80° 85°
 NP2: 144° 49° -87° T-axis: 1.20 232° 4°
 N-axis: -0.10 322° 2°
 V.R.: 18% ϵ : 0.11 N:19 COMP:41

2002/11/03 12:37:43.6
 KINKAZAN REGION
 Hypo.: 38°53.7'N 142° 8.3'E 46km



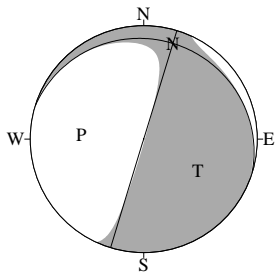
Cent.: 39°10.4'N 142° 7.2'E 46km $\Delta t= 4.5$
 Mo: 3.75×10^{18} N·m Mw:6.3 Mj:6.3 (sec)
 mrr: 1.08 mtt: 0.65 mff:-1.73
 mrt: 1.41 mrf: 3.05 mtf: 0.73 ($\times 10^{18}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 20° 81° 111° P-axis: -3.69 93° 33°
 NP2: 132° 23° 23° T-axis: 3.82 313° 49°
 N-axis: -0.14 197° 21°
 V.R.: 16% ϵ : 0.04 N:8 COMP:19

2002/11/04 13:36: 0.0
 HYUGANADA REGION
 Hypo.: 32°24.7'N 131°52.1'E 35km



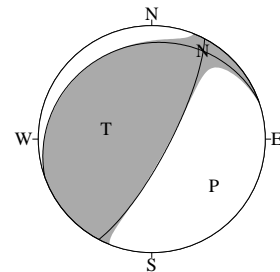
Cent.: 32°25.7'N 131°52.0'E 35km $\Delta t= 2.7$
 Mo: 4.20×10^{17} N·m Mw:5.7 Mj:5.9 (sec)
 mrr:-0.05 mtt:-1.61 mff: 1.66
 mrt: 1.50 mrf: 3.11 mtf:-1.76 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 203° 90° -55° P-axis: -4.30 143° 36°
 NP2: 293° 35° -179° T-axis: 4.10 263° 35°
 N-axis: 0.20 22° 35°
 V.R.: 36% ϵ : -0.06 N:8 COMP:12

2002/11/17 13:53:56.1
 SOUTHERN SEA OF OKHOTSK
 Hypo.: 47° 7.6'N 146°49.6'E 496km



Cent.: 47° 5.5'N 146°49.1'E 469km $\Delta t=12.1$
 Mo: 7.73×10^{19} N·m Mw:7.2 Mj:7.0 (sec)
 mrr:-0.20 mtt: 1.37 mff:-1.16
 mrt:-2.04 mrf:-7.25 mtf: 1.22 ($\times 10^{19}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 197° 90° 103° P-axis: -7.98 274° 44°
 NP2: 287° 13° 0° T-axis: 7.47 120° 44°
 N-axis: 0.51 17° 13°
 V.R.: 78% ϵ : -0.06 N:11 COMP:24

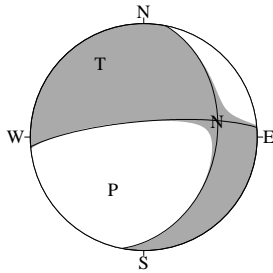
2002/11/30 16:15:56.1
 OFF NEMURO PENINSULA
 Hypo.: 42°31.6'N 145° 0.7'E 46km



Cent.: 42°24.0'N 144°59.9'E 27km $\Delta t= 6.6$
 Mo: 1.60×10^{17} N·m Mw:5.4 Mj:5.4 (sec)
 mrr: 0.63 mtt:-0.35 mff:-0.27
 mrt: 0.61 mrf: 1.26 mtf:-0.49 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 28° 77° 79° P-axis: -1.60 127° 32°
 NP2: 250° 17° 132° T-axis: 1.50 283° 56°
 N-axis: 0.10 30° 11°
 V.R.: 27% ϵ : -0.04 N:8 COMP:16

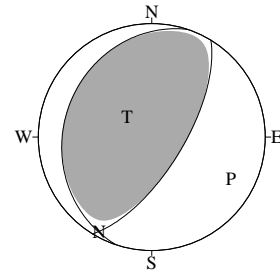
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2002/12/01 18:57: 1.4
 SE OFF TOKACHI
 Hypo.:42°39.7'N 143°57.9'E 103km



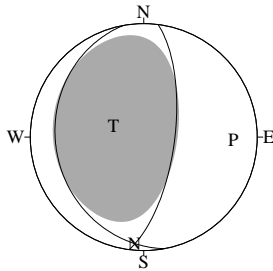
Cent.:42°56.0'N 143°58.0'E 104km $\Delta t = -3.5$
 Mo: 1.60×10^{17} N·m Mw:5.4 Mj:5.5 (sec)
 mrr:-0.50 mtt: 0.32 mff: 0.18
 mrt: 1.22 mrf:-0.11 mtf: 0.89 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 11° 36° -161° P-axis:-1.60 210° 45°
 NP2:265° 79° -55° T-axis: 1.50 329° 26°
 N-axis: 0.10 78° 34°
 V.R.: 30% ϵ : -0.04 N:15 COMP:35

2002/12/05 00:50:41.9
 E OFF MIYAGI PREF
 Hypo.:38°42.6'N 142°19.0'E 40km



Cent.:38°32.1'N 142°17.4'E 32km $\Delta t = 10.1$
 Mo: 1.40×10^{17} N·m Mw:5.4 Mj:5.3 (sec)
 mrr: 1.03 mtt:-0.20 mff:-0.84
 mrt: 0.57 mrf: 0.83 mtf:-0.37 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 31° 67° 95° P-axis:-1.40 118° 22°
 NP2:199° 23° 78° T-axis: 1.50 310° 67°
 N-axis: 0.00 209° 5°
 V.R.: 41% ϵ : 0.03 N:11 COMP:20

2002/12/11 06:02:19.7
 FAR SE OFF BOSO PEN
 Hypo.:34°13.3'N 141°57.1'E 35km



Cent.:34°21.4'N 141°55.1'E 19km $\Delta t = 10.4$
 Mo: 4.70×10^{17} N·m Mw:5.7 Mj:6.1 (sec)
 mrr: 3.57 mtt:-0.54 mff:-3.04
 mrt: 0.74 mrf: 3.26 mtf: 0.17 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 7° 68° 97° P-axis:-4.40 92° 22°
 NP2:170° 23° 74° T-axis: 5.00 290° 67°
 N-axis:-0.60 185° 6°
 V.R.: 32% ϵ : 0.13 N:16 COMP:28

EQUAL AREA PROJECTON, LOWER HEMISPHERE.