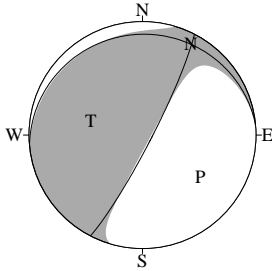


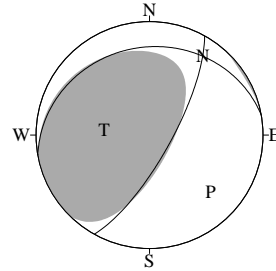
CMT SOLUTIONS FOR EARTHQUAKES IN 1997

1997/01/18 00:53:13.9
NEAR AMAMI-OSHIMA ISLAND
Hypo.:28°48.5'N 129°55.7'E 37km



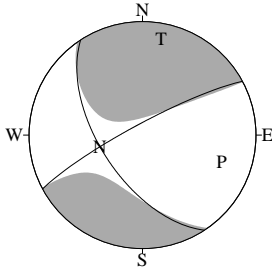
Cent.:28°55.6'N 129°51.7'E 10km $\Delta t = 8.0$
Mo: 1.48×10^{18} N·m Mw:6.0 Mj:6.2 (sec)
mrr: 0.28 mtt:-0.21 mff:-0.07
mrt: 0.65 mrf: 1.26 mtf:-0.36 ($\times 10^{18}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 27° 83° 80° P-axis:-1.53 126° 37°
NP2:265° 12° 147° T-axis: 1.42 286° 51°
N-axis: 0.12 28° 10°
V.R.: 36% ϵ : -0.08 N:6 COMP:18

1997/02/20 16:55: 0.3
S OFF URAKAWA
Hypo.:41°45.5'N 142°52.4'E 49km



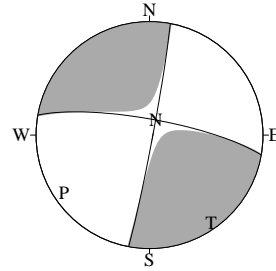
Cent.:41°32.9'N 142°48.6'E 43km $\Delta t = 1.5$
Mo: 1.09×10^{18} N·m Mw:6.0 Mj:5.9 (sec)
mrr: 0.59 mtt:-0.47 mff:-0.12
mrt: 0.30 mrf: 0.86 mtf:-0.30 ($\times 10^{18}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 29° 75° 72° P-axis:-1.01 133° 27°
NP2:259° 23° 138° T-axis: 1.17 276° 57°
N-axis:-0.16 34° 17°
V.R.: 19% ϵ : 0.13 N:5 COMP:15

1997/02/22 08:40:24.3
SE OFF ETOROFU
Hypo.:43°57.4'N 149°24.7'E 60km



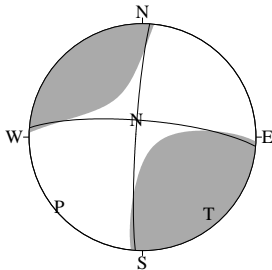
Cent.:43°27.5'N 149°23.1'E 45km $\Delta t = 9.3$
Mo: 2.21×10^{18} N·m Mw:6.2 Mj:6.0 (sec)
mrr:-0.48 mtt: 1.94 mff:-1.46
mrt: 0.89 mrf: 0.56 mtf:-0.87 ($\times 10^{18}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:242° 82° -149° P-axis:-2.06 109° 27°
NP2:147° 59° -9° T-axis: 2.35 11° 15°
N-axis:-0.29 255° 58°
V.R.: 38% ϵ : 0.12 N:6 COMP:18

1997/03/26 17:31:47.9
NW KAGOSHIMA PREF
Hypo.:31°58.3'N 130°21.5'E 12km



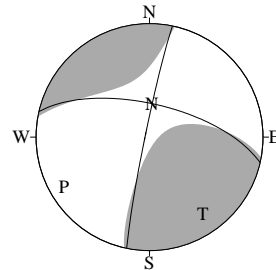
Cent.:31°59.3'N 130°19.9'E 10km $\Delta t = 10.0$
Mo: 2.04×10^{18} N·m Mw:6.1 Mj:6.6 (sec)
mrr:-0.12 mtt: 0.77 mff:-0.64
mrt:-0.02 mrf:-0.40 mtf: 1.87 ($\times 10^{18}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 11° 88° -169° P-axis:-1.99 236° 10°
NP2:280° 79° -2° T-axis: 2.09 145° 6°
N-axis:-0.10 22° 78°
V.R.: 33% ϵ : 0.05 N:7 COMP:21

1997/04/03 04:33:23.3
NW KAGOSHIMA PREF
Hypo.:31°58.2'N 130°19.3'E 15km



Cent.:31°57.5'N 130°17.6'E 21km $\Delta t = 8.6$
Mo: 2.40×10^{17} N·m Mw:5.5 Mj:5.7 (sec)
mrr:-0.30 mtt: 0.48 mff:-0.18
mrt:-0.36 mrf:-0.52 mtf: 2.32 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:184° 85° 168° P-axis:-2.20 230° 5°
NP2:275° 78° 5° T-axis: 2.60 139° 12°
N-axis:-0.40 341° 77°
V.R.: 27% ϵ : 0.16 N:9 COMP:27

1997/05/13 14:38:27.5
NW KAGOSHIMA PREF
Hypo.:31°56.9'N 130°18.1'E 9km

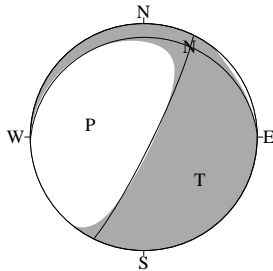


Cent.:32° 1.4'N 130°17.6'E 16km $\Delta t = 7.5$
Mo: 2.17×10^{18} N·m Mw:6.2 Mj:6.4 (sec)
mrr:-0.18 mtt: 0.87 mff:-0.69
mrt:-0.49 mrf:-0.82 mtf: 1.81 ($\times 10^{18}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:192° 87° 156° P-axis:-1.98 240° 14°
NP2:283° 66° 4° T-axis: 2.35 145° 19°
N-axis:-0.37 4° 66°
V.R.: 25% ϵ : 0.16 N:9 COMP:27

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

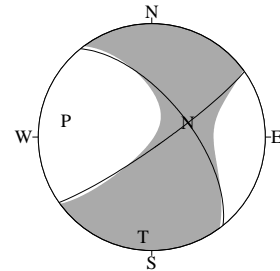
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf: Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG: Moment tensor component, azimuth and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

1997/05/24 02:50:38.4
 ENSYUNADA
 Hypo.: 34°30.0'N 137°29.9'E 23km



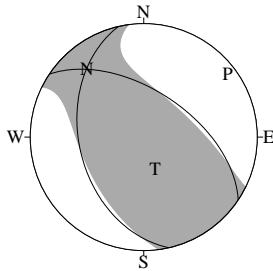
Cent.: 34°31.7'N 137°29.3'E 10km $\Delta t = 5.5$
 Mo: 3.70×10^{17} N·m Mw: 5.6 Mj: 6.0 (sec)
 mrr: -0.93 mtt: 0.95 mff: -0.02
 mrt: -1.41 mrf: -3.28 mtf: 0.58 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 26° 84° -102° P-axis: -3.90 283° 50°
 NP2: 268° 13° -28° T-axis: 3.60 127° 38°
 N-axis: 0.30 27° 12°
 V.R.: 44% ϵ : -0.08 N:5 COMP:15

1997/06/25 18:50:12.7
 YAMAGUCHI PREF
 Hypo.: 34°26.4'N 131°39.9'E 8km



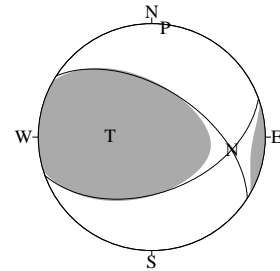
Cent.: 34°24.4'N 131°39.5'E 10km $\Delta t = 8.4$
 Mo: 8.20×10^{17} N·m Mw: 5.9 Mj: 6.6 (sec)
 mrr: -0.18 mtt: 6.94 mff: -6.77
 mrt: -2.19 mrf: -3.51 mtf: -2.12 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 55° 83° -153° P-axis: -8.80 281° 24°
 NP2: 321° 63° -8° T-axis: 7.70 185° 13°
 N-axis: 1.10 69° 62°
 V.R.: 13% ϵ : -0.13 N:5 COMP:15

1997/08/13 13:45:4.0
 NEAR MIYAKOJIMA ISLAND
 Hypo.: 25°11.4'N 125°48.9'E 94km



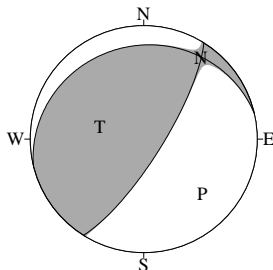
Cent.: 25° 8.0'N 125°49.6'E 49km $\Delta t = 9.4$
 Mo: 1.97×10^{18} N·m Mw: 6.1 Mj: 6.2 (sec)
 mrr: 1.49 mtt: -0.31 mff: -1.18
 mrt: -0.68 mrf: 0.10 mtf: 1.29 ($\times 10^{18}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 303° 57° 62° P-axis: -2.17 53° 8°
 NP2: 167° 42° 125° T-axis: 1.76 160° 66°
 N-axis: 0.40 320° 23°
 V.R.: 36% ϵ : -0.19 N:8 COMP:24

1997/09/08 08:40:38.4
 CENTRAL CHIBA PREF
 Hypo.: 35°33.4'N 140° 0.1'E 109km



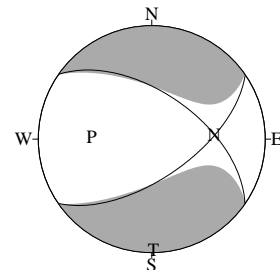
Cent.: 35°30.0'N 139°59.8'E 60km $\Delta t = 7.3$
 Mo: 8.56×10^{16} N·m Mw: 5.2 Mj: 5.1 (sec)
 mrr: 6.56 mtt: -8.01 mff: 1.45
 mrt: -0.22 mrf: 4.25 mtf: 1.03 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 70° 49° 50° P-axis: -8.16 7° 3°
 NP2: 303° 55° 127° T-axis: 8.97 272° 60°
 N-axis: -0.82 99° 29°
 V.R.: 35% ϵ : 0.09 N:5 COMP:15

1997/10/09 06:20:58.4
 SE OFF TOKACHI
 Hypo.: 41°55.2'N 145° 1.0'E 37km



Cent.: 41°46.6'N 145°22.1'E 10km $\Delta t = 3.4$
 Mo: 7.20×10^{17} N·m Mw: 5.8 Mj: 5.8 (sec)
 mrr: 3.13 mtt: -2.27 mff: -0.86
 mrt: 3.02 mrf: 5.49 mtf: -2.16 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 32° 77° 77° P-axis: -7.20 133° 30°
 NP2: 257° 19° 133° T-axis: 7.20 285° 57°
 N-axis: 0.10 35° 13°
 V.R.: 12% ϵ : -0.01 N:9 COMP:27

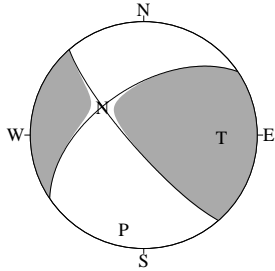
1997/10/22 18:55:49.2
 NEAR KUNASHIRI ISLAND
 Hypo.: 44°31.2'N 146°28.7'E 158km



Cent.: 44° 8.6'N 146°26.6'E 142km $\Delta t = 12.4$
 Mo: 2.50×10^{17} N·m Mw: 5.5 Mj: 5.6 (sec)
 mrr: -1.38 mtt: 2.69 mff: -1.30
 mrt: -0.20 mrf: -0.98 mtf: 0.01 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 55° 62° -142° P-axis: -2.30 272° 46°
 NP2: 305° 57° -34° T-axis: 2.70 179° 3°
 N-axis: -0.40 86° 44°
 V.R.: 49% ϵ : 0.14 N:9 COMP:27

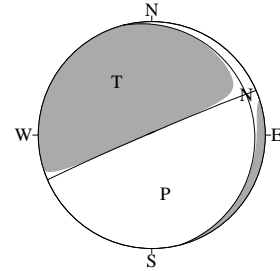
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

1997/10/27 04:06:44.2
 SOUTHERN AKITA PREF
 Hypo.:39°19.4'N 140°36.3'E 121km



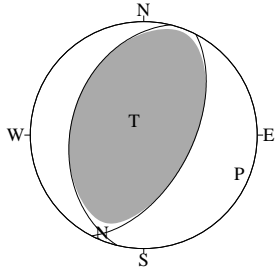
Cent.:39°28.3'N 140°35.3'E 130km $\Delta t = 2.8$
 Mo: 1.20×10^{17} N·m Mw:5.3 Mj:5.1 (sec)
 mrr:-0.24 mtt:-1.08 mff: 0.85
 mrt: 0.29 mrf:-0.64 mtf: 0.25 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:236° 56° 13° P-axis:-1.20 192° 16°
 NP2:139° 80° 145° T-axis: 1.20 92° 32°
 N-axis: 0.00 304° 54°
 V.R.: 33% ϵ : 0.03 N:9 COMP:27

1997/11/15 16:05:17.1
 NEMURO REGION
 Hypo.:43°39.9'N 145° 6.8'E 155km



Cent.:44° 9.5'N 145° 5.9'E 198km $\Delta t = -6.0$
 Mo: 2.18×10^{18} N·m Mw:6.2 Mj:6.1 (sec)
 mrr:-0.08 mtt:-0.16 mff: 0.25
 mrt: 1.96 mrf: 0.85 mtf: 0.35 ($\times 10^{18}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:247° 88° -80° P-axis:-2.14 167° 46°
 NP2:345° 10°-171° T-axis: 2.21 327° 43°
 N-axis:-0.07 67° 10°
 V.R.: 38% ϵ : 0.03 N:12 COMP:36

1997/11/23 12:50:58.6
 W OFF AKITA PREF
 Hypo.:39°58.5'N 138°48.3'E 29km



Cent.:40° 0.3'N 138°54.4'E 15km $\Delta t = 6.0$
 Mo: 3.70×10^{17} N·m Mw:5.6 Mj:5.8 (sec)
 mrr: 3.47 mtt:-0.47 mff:-3.00
 mrt: 0.85 mrf: 0.97 mtf:-1.09 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 27° 55° 98° P-axis:-3.60 112° 10°
 NP2:194° 36° 79° T-axis: 3.70 326° 78°
 N-axis:-0.10 203° 7°
 V.R.: 28% ϵ : 0.03 N:9 COMP:27

EQUAL AREA PROJECTON, LOWER HEMISPHERE.