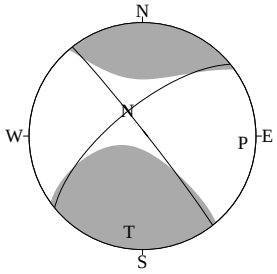
CMT SOLUTIONS FOR EARTHQUAKES IN JULY, 2016

2016/07/01 08:04:56.7
SW NIIGATA PREF
Hypo.:36°49.3′N 137°50.7′E 0km

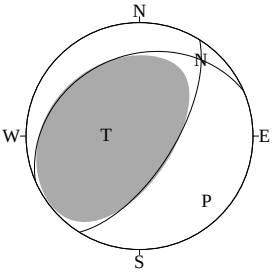


Cent.:36°51.7′N 137°50.6′E 10km Δt= 0.6
Mo: 7.17x10^{15}N·m Mw:4.5 Mj:4.6 (sec)
mrr:−1.06 mtt: 7.01 mff:−5.95
mrt:−2.48 mrf: 1.36 mtf:−1.59 (x10^{15}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	231°	70°	177°	P−axis:	−6.37	94°	12°
NP2:	322°	87°	21°	T−axis:	7.97	188°	16°
				N−axis:	−1.60	329°	69°

V.R.: 84% ε: 0.20 N:27 COMP:48

2016/07/01 14:39:58.1
IYONADA SETONAIKAI
Hypo.:33°32.4′N 131°48.1′E 76km

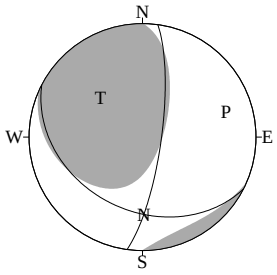


Cent.:33°32.4′N 131°48.1′E 76km Δt= 0.5
Mo: 8.37x10^{15}N·m Mw:4.5 Mj:4.4 (sec)
mrr: 6.52 mtt:−3.96 mff:−2.56
mrt: 1.64 mrf: 5.13 mtf:−3.05 (x10^{15}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	32°	65°	74°	P−axis:	−7.90	134°	19°
NP2:	247°	29°	121°	T−axis:	8.84	273°	66°
				N−axis:	−0.94	39°	15°

V.R.: 81% ε: 0.11 N:45 COMP:64

2016/07/02 10:47:49.7
E OFF HOKKAIDO
Hypo.:43°14.3′N 146°52.0′E 55km

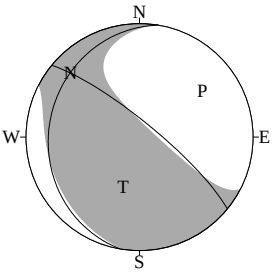


Cent.:43°17.5′N 146°52.6′E 54km Δt= 0.7
Mo: 1.57x10^{16}N·m Mw:4.7 Mj:4.9 (sec)
mrr: 0.62 mtt: 0.01 mff:−0.63
mrt: 0.60 mrf: 1.13 mtf: 0.72 (x10^{16}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	8°	77°	123°	P−axis:	−1.39	73°	24°
NP2:	117°	36°	23°	T−axis:	1.75	313°	48°
				N−axis:	−0.36	179°	32°

V.R.: 84% ε: 0.21 N:21 COMP:41

2016/07/05 12:46:11.4
NEAR CHOSHI CITY
Hypo.:35°47.1′N 141° 1.1′E 35km

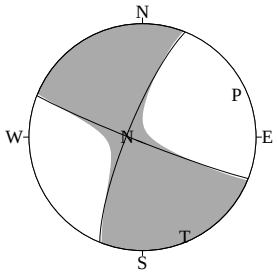


Cent.:35°45.8′N 141° 1.7′E 35km Δt= 0.6
Mo: 0.96x10^{16}N·m Mw:4.6 Mj:4.5 (sec)
mrr: 0.27 mtt: 0.11 mff:−0.38
mrt:−0.64 mrf: 0.55 mtf: 0.34 (x10^{16}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	189°	21°	149°	P−axis:	−1.05	54°	32°
NP2:	309°	79°	72°	T−axis:	0.87	198°	52°
				N−axis:	0.18	313°	18°

V.R.: 75% ε:−0.17 N:24 COMP:36

2016/07/05 20:33: 3.7
S KOREAN PENINSULA REG
Hypo.:35°36.8′N 129°52.4′E 37km

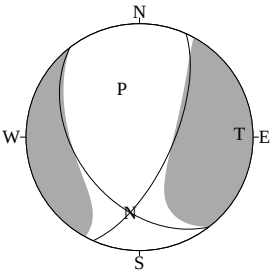


Cent.:35°40.5′N 129°51.3′E 12km Δt= 1.2
Mo: 1.92x10^{16}N·m Mw:4.8 Mj:4.9 (sec)
mrr: 0.07 mtt: 1.25 mff:−1.33
mrt:−0.29 mrf: 0.28 mtf: 1.36 (x10^{16}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	202°	79°	−176°	P−axis:	−1.98	66°	10°
NP2:	111°	86°	−11°	T−axis:	1.86	157°	5°
				N−axis:	0.12	273°	79°

V.R.: 83% ε:−0.06 N:21 COMP:41

2016/07/06 08:47:26.2
NEAR CHOSHI CITY
Hypo.:35°41.5′N 141° 2.7′E 17km



Cent.:35°41.5′N 141° 3.1′E 17km Δt= 0.4
Mo: 3.40x10^{15}N·m Mw:4.3 Mj:4.4 (sec)
mrr:−1.98 mtt:−1.46 mff: 3.44
mrt:−0.99 mrf:−1.39 mtf:−0.40 (x10^{15}N·m)

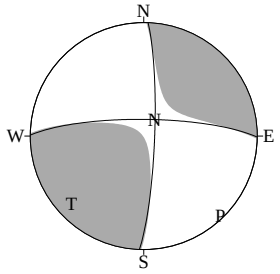
	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	24°	66°	−53°	P−axis:	−3.03	340°	53°
NP2:	142°	43°	−144°	T−axis:	3.78	88°	13°
				N−axis:	−0.76	187°	33°

V.R.: 82% ε: 0.20 N:17 COMP:26

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

2016/07/09 06:28:50.0
TOCHIGI GUNMA BORDER
Hypo.:36°44.3′N 139°24.1′E 5km

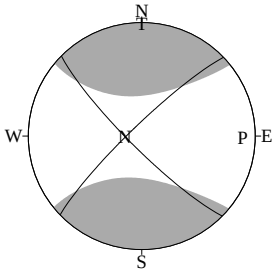


Cent.:36°44.3′N 139°24.3′E 10km Δt= 0.3
Mo: 2.28x10^{15}N·m Mw:4.2 Mj:4.4 (sec)
mrr:−0.01 mtt:−0.10 mff: 0.11
mrt:−0.33 mrf: 0.50 mtf:−2.20 (x10^{15}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	2°	82°	12°	P−axis:	−2.21	136°	3°
NP2:	271°	78°	172°	T−axis:	2.36	227°	14°
				N−axis:	−0.15	34°	76°

V.R.: 83% ε: 0.06 N:21 COMP:32

2016/07/09 18:05:18.8
NW KUMAMOTO PREF
Hypo.:32°44.0′N 130°36.1′E 12km

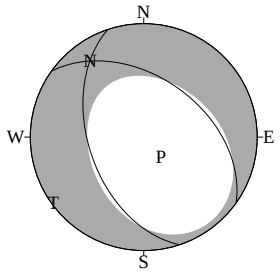


Cent.:32°44.1′N 130°36.0′E 12km Δt= 0.4
Mo: 4.87x10^{15}N·m Mw:4.4 Mj:4.5 (sec)
mrr:−1.89 mtt: 5.77 mff:−3.88
mrt: 0.10 mrf: 0.43 mtf:−0.07 (x10^{15}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	226°	82°	−171°	P−axis:	−3.97	91°	12°
NP2:	135°	81°	−8°	T−axis:	5.77	0°	1°
				N−axis:	−1.80	267°	78°

V.R.: 77% ε: 0.31 N:24 COMP:39

2016/07/11 15:22: 0.7
NEAR HACHIJOJIMA ISLAND
Hypo.:33°25.5′N 139°25.7′E 31km

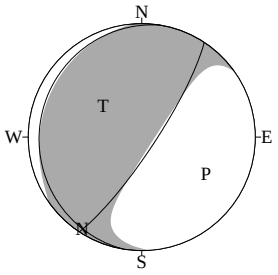


Cent.:33°24.7′N 139°25.5′E 10km Δt= 1.8
Mo: 2.70x10^{16}N·m Mw:4.9 Mj:4.9 (sec)
mrr:−2.63 mtt: 1.02 mff: 1.61
mrt: 0.82 mrf: 0.79 mtf:−1.02 (x10^{16}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	305°	46°	−117°	P−axis:	−3.02	139°	71°
NP2:	162°	50°	−65°	T−axis:	2.38	234°	2°
				N−axis:	0.64	325°	19°

V.R.: 85% ε:−0.21 N:29 COMP:62

2016/07/12 01:54:42.8
E OFF FUKUSHIMA PREF
Hypo.:36°44.5′N 142°10.0′E 42km

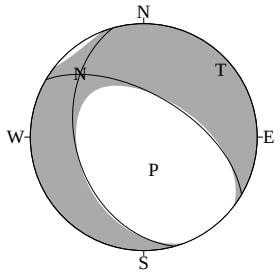


Cent.:36°44.5′N 142°10.4′E 10km Δt= 0.5
Mo: 7.04x10^{15}N·m Mw:4.5 Mj:4.5 (sec)
mrr: 1.90 mtt: 0.25 mff:−2.14
mrt: 3.64 mrf: 5.53 mtf:−1.44 (x10^{15}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	33°	80°	94°	P−axis:	−7.47	120°	35°
NP2:	189°	11°	66°	T−axis:	6.61	309°	54°
				N−axis:	0.86	213°	4°

V.R.: 81% ε:−0.11 N:26 COMP:45

2016/07/12 05:54:19.9
NEAR HACHIJOJIMA ISLAND
Hypo.:33°25.2′N 139°26.3′E 34km

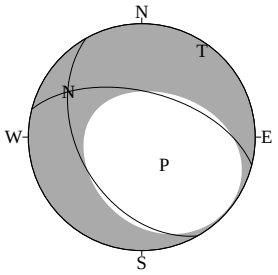


Cent.:33°20.3′N 139°26.7′E 10km Δt= 0.9
Mo: 1.11x10^{16}N·m Mw:4.6 Mj:4.7 (sec)
mrr:−0.91 mtt: 0.30 mff: 0.61
mrt: 0.58 mrf: 0.02 mtf:−0.51 (x10^{16}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	301°	59°	−116°	P−axis:	−1.17	163°	65°
NP2:	164°	39°	−54°	T−axis:	1.05	49°	11°
				N−axis:	0.12	315°	22°

V.R.: 88% ε:−0.10 N:20 COMP:40

2016/07/12 07:34: 1.0
NEAR HACHIJOJIMA ISLAND
Hypo.:33°25.3′N 139°25.3′E 33km



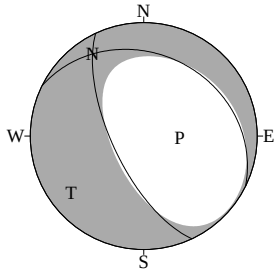
Cent.:33°25.3′N 139°25.3′E 10km Δt= 0.5
Mo: 0.96x10^{16}N·m Mw:4.6 Mj:4.6 (sec)
mrr:−0.83 mtt: 0.48 mff: 0.35
mrt: 0.48 mrf: 0.30 mtf:−0.38 (x10^{16}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	151°	43°	−53°	P−axis:	−1.10	141°	64°
NP2:	284°	57°	−120°	T−axis:	0.83	35°	8°
				N−axis:	0.27	302°	25°

V.R.: 85% ε:−0.25 N:27 COMP:54

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2016/07/14 11:17:25.9
NEAR HACHIJOJIMA ISLAND
Hypo.:33°25.3′N 139°25.3′E 36km

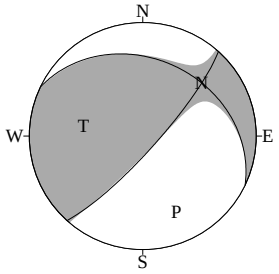


Cent.:33°21.0′N 139°25.0′E 10km Δt= 1.6
Mo: 5.83x10^{16}N·m Mw:5.1 Mj:5.0 (sec)
mrr:−4.32 mtt: 2.38 mff: 1.95
mrt:−0.75 mrf: 3.99 mtf:−2.00 (x10^{16}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	296°	28°	−125°	P−axis:	−6.27	93°	64°
NP2:	155°	67°	−73°	T−axis:	5.39	232°	20°
				N−axis:	0.88	328°	16°

V.R.: 86% ε:−0.14 N:26 COMP:44

2016/07/17 13:24: 2.8
SW IBARAKI PREF
Hypo.:36° 2.3′N 139°55.7′E 42km

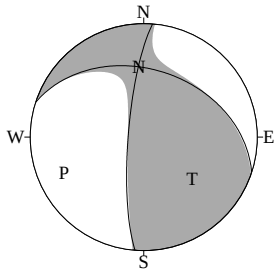


Cent.:36° 4.1′N 139°56.1′E 43km Δt= 0.7
Mo: 2.64x10^{16}N·m Mw:4.9 Mj:5.0 (sec)
mrr: 0.77 mtt:−1.69 mff: 0.92
mrt: 1.29 mrf: 1.67 mtf:−0.61 (x10^{16}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	42°	80°	59°	P−axis:	−2.70	156°	28°
NP2:	296°	33°	161°	T−axis:	2.57	280°	46°
				N−axis:	0.13	48°	31°

V.R.: 70% ε:−0.05 N:20 COMP:26

2016/07/17 18:43:24.6
ENSYUNADA
Hypo.:34°28.3′N 137° 5.5′E 349km

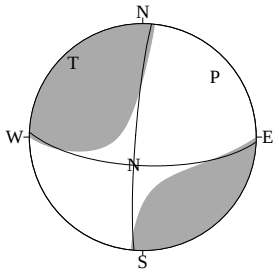


Cent.:34°25.3′N 137° 5.4′E 345km Δt= 1.3
Mo: 3.12x10^{16}N·m Mw:4.9 Mj:4.9 (sec)
mrr: 0.94 mtt: 0.38 mff:−1.32
mrt:−0.40 mrf:−2.21 mtf: 1.84 (x10^{16}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	288°	40°	18°	P−axis:	−3.23	246°	24°
NP2:	184°	79°	129°	T−axis:	3.02	131°	43°
				N−axis:	0.21	356°	38°

V.R.: 85% ε:−0.06 N:53 COMP:81

2016/07/19 12:57:50.3
KUJUKURI COAST BOSO PEN
Hypo.:35°24.9′N 140°21.1′E 33km

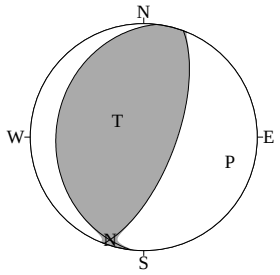


Cent.:35°22.9′N 140°21.4′E 28km Δt= 3.7
Mo: 3.73x10^{16}N·m Mw:5.0 Mj:5.2 (sec)
mrr:−0.76 mtt: 0.75 mff: 0.01
mrt: 0.10 mrf: 1.21 mtf: 3.49 (x10^{16}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	93°	70°	−5°	P−axis:	−3.41	50°	18°
NP2:	184°	85°	−159°	T−axis:	4.06	317°	11°
				N−axis:	−0.65	198°	69°

V.R.: 79% ε: 0.16 N:17 COMP:30

2016/07/19 13:11:26.3
E OFF AOMORI PREF
Hypo.:41°29.6′N 142° 2.9′E 66km

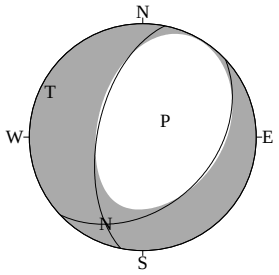


Cent.:41°29.6′N 142° 3.4′E 66km Δt= 0.6
Mo: 1.23x10^{16}N·m Mw:4.7 Mj:4.5 (sec)
mrr: 0.88 mtt:−0.03 mff:−0.85
mrt: 0.34 mrf: 0.78 mtf:−0.21 (x10^{16}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	20°	67°	96°	P−axis:	−1.24	106°	22°
NP2:	186°	24°	77°	T−axis:	1.23	301°	68°
				N−axis:	0.01	198°	5°

V.R.: 79% ε:−0.01 N:16 COMP:18

2016/07/20 04:38: 8.9
FAR E OFF MIYAGI PREF
Hypo.:37°55.7′N 143°55.4′E 54km



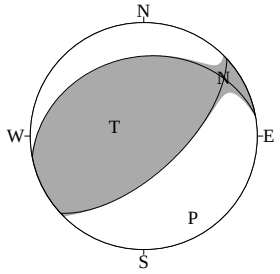
Cent.:37°55.7′N 143°57.1′E 20km Δt= 0.4
Mo: 3.03x10^{15}N·m Mw:4.3 Mj:4.5 (sec)
mrr:−2.73 mtt: 0.72 mff: 2.01
mrt:−0.52 mrf: 1.33 mtf: 1.14 (x10^{15}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	47°	38°	−61°	P−axis:	−3.24	54°	70°
NP2:	191°	57°	−111°	T−axis:	2.82	296°	10°
				N−axis:	0.42	203°	18°

V.R.: 66% ε:−0.13 N:17 COMP:29

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2016/07/20 07:25:33.0
SW IBARAKI PREF
Hypo.:36° 1.2′N 139°56.9′E 42km

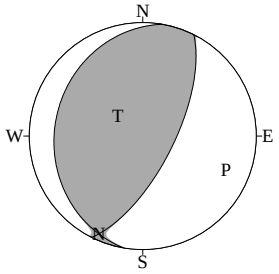


Cent.:35°58.8′N 139°56.8′E 52km Δt= 3.8
Mo: 4.01x10^{16}N·m Mw:5.0 Mj:5.0 (sec)
mrr: 3.05 mtt:−2.64 mff:−0.42
mrt: 1.38 mrf: 1.90 mtf:−1.54 (x10^{16}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	47°	63°	74°	P−axis:	−4.06	149°	17°
NP2:	259°	31°	118°	T−axis:	3.96	287°	68°
				N−axis:	0.10	54°	14°

V.R.: 82% ε:−0.02 N:35 COMP:79

2016/07/20 08:50:22.2
E OFF IWATE PREF
Hypo.:39°20.2′N 142° 4.2′E 49km

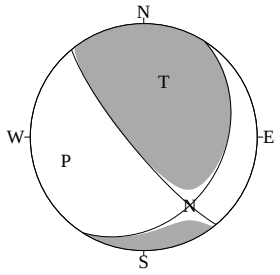


Cent.:39°22.0′N 142° 4.3′E 49km Δt= 0.7
Mo: 2.92x10^{16}N·m Mw:4.9 Mj:4.8 (sec)
mrr: 2.03 mtt:−0.15 mff:−1.87
mrt: 1.04 mrf: 1.79 mtf:−0.64 (x10^{16}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	27°	68°	97°	P−axis:	−2.92	112°	22°
NP2:	190°	23°	74°	T−axis:	2.91	309°	67°
				N−axis:	0.01	204°	6°

V.R.: 82% ε: 0.00 N:41 COMP:64

2016/07/24 11:51:21.3
TOKACHI REGION
Hypo.:42°52.4′N 143°10.4′E 96km

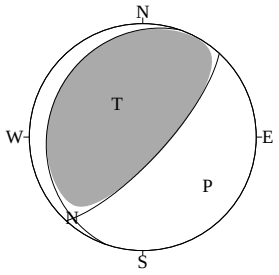


Cent.:42°53.8′N 143°10.5′E 95km Δt= 0.8
Mo: 2.11x10^{16}N·m Mw:4.8 Mj:4.9 (sec)
mrr: 0.66 mtt: 0.69 mff:−1.35
mrt: 1.29 mrf:−1.19 mtf: 0.08 (x10^{16}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	32°	30°	160°	P−axis:	−2.06	253°	29°
NP2:	140°	80°	61°	T−axis:	2.16	20°	47°
				N−axis:	−0.09	146°	28°

V.R.: 86% ε: 0.04 N:29 COMP:54

2016/07/25 03:03:35.1
KURILE ISLANDS REGION
Hypo.:45°17.0′N 150°58.8′E 124km

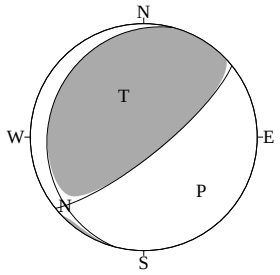


Cent.:45°34.2′N 151° 1.0′E 105km Δt= 2.0
Mo: 1.00x10^{17}N·m Mw:5.3 Mj:5.2 (sec)
mrr: 0.56 mtt:−0.14 mff:−0.41
mrt: 0.62 mrf: 0.62 mtf:−0.23 (x10^{17}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	43°	74°	97°	P−axis:	−1.00	127°	29°
NP2:	199°	17°	68°	T−axis:	1.10	322°	60°
				N−axis:	0.00	221°	6°

V.R.: 84% ε: 0.04 N:12 COMP:25

2016/07/26 00:11:54.7
NEAR OKINAWAJIMA ISLAND
Hypo.:26°32.5′N 128°44.8′E 23km

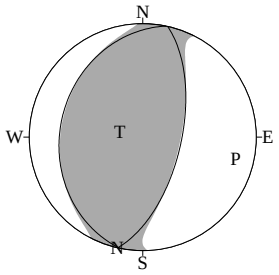


Cent.:26°19.4′N 128°45.0′E 29km Δt= 0.3
Mo: 8.62x10^{16}N·m Mw:5.2 Mj:5.4 (sec)
mrr: 3.92 mtt:−1.00 mff:−2.93
mrt: 6.14 mrf: 4.48 mtf:−2.02 (x10^{16}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	51°	77°	99°	P−axis:	−8.52	133°	31°
NP2:	195°	16°	55°	T−axis:	8.72	334°	57°
				N−axis:	−0.20	229°	9°

V.R.: 75% ε: 0.02 N:16 COMP:28

2016/07/27 23:47:17.0
NORTHERN IBARAKI PREF
Hypo.:36°27.0′N 140°36.8′E 57km



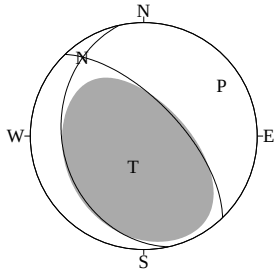
Cent.:36°27.5′N 140°37.0′E 65km Δt= 3.7
Mo: 1.10x10^{17}N·m Mw:5.3 Mj:5.4 (sec)
mrr: 0.88 mtt: 0.02 mff:−0.90
mrt: 0.14 mrf: 0.61 mtf:−0.21 (x10^{17}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	13°	62°	90°	P−axis:	−1.10	103°	17°
NP2:	192°	28°	90°	T−axis:	1.10	283°	73°
				N−axis:	0.10	193°	0°

V.R.: 82% ε:−0.05 N:34 COMP:72

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2016/07/30 06:18:25.7
FAR FIELD
Hypo.:18°50.1′N 145°45.5′E 233km



Cent.:18°56.6′N 145°55.7′E 222km Δt= 8.7
Mo: 3.95x10^{20}N·m Mw:7.7 Mj:7.7 (sec)
mrr: 3.18 mtt:−0.74 mff:−2.44
mrt:−2.16 mrf: 1.35 mtf: 1.03 (x10^{20}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	316°	65°	75°	P−axis:	−3.66	57°	19°
NP2:	168°	29°	118°	T−axis:	4.24	199°	67°
				N−axis:	−0.59	322°	13°

V.R.: 76% ε: 0.14 N:10 COMP:26

EQUAL AREA PROJECTON, LOWER HEMISPHERE.