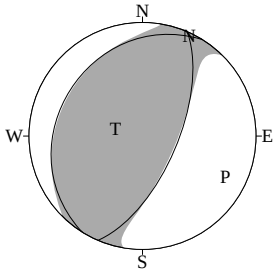
CMT SOLUTIONS FOR EARTHQUAKES IN MAY, 2019

2019/05/04 11:41:31.3
E OFF MIYAGI PREF
Hypo.:38°17.9'N 141°53.0'E 46km

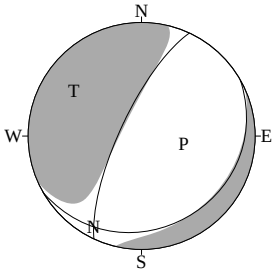


Cent.:38°17.9'N 141°53.2'E 46km Δt= 0.5
Mo: 9.11x10^{15}N·m Mw:4.6 Mj:4.5 (sec)
mrr: 6.63 mtt:-0.95 mff:-5.68
mrt: 2.11 mrf: 5.42 mtf:-3.30 (x10^{15}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	23°	65°	86°	P-axis:	-9.46	116°	20°
NP2:	212°	25°	98°	T-axis:	8.75	285°	70°
				N-axis:	0.71	25°	3°

V.R.: 64% ε:-0.07 N:12 COMP:16

2019/05/04 21:34:55.0
ISHIKARI DEPRESSION
Hypo.:42°43.7'N 141°44.2'E 133km

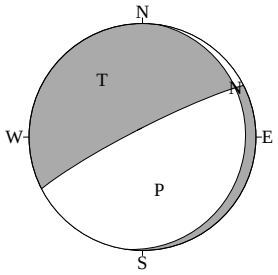


Cent.:42°43.8'N 141°44.0'E 133km Δt= 0.4
Mo: 3.32x10^{15}N·m Mw:4.3 Mj:4.2 (sec)
mrr:-1.53 mtt: 0.54 mff: 1.00
mrt: 1.10 mrf: 2.55 mtf: 1.25 (x10^{15}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	61°	19°	-56°	P-axis:	-3.14	100°	59°
NP2:	205°	74°	-101°	T-axis:	3.50	304°	29°
				N-axis:	-0.35	208°	11°

V.R.: 81% ε: 0.10 N:10 COMP:15

2019/05/05 01:40:25.8
OFF NEMURO PENINSULA
Hypo.:43°10.6'N 146°25.6'E 52km

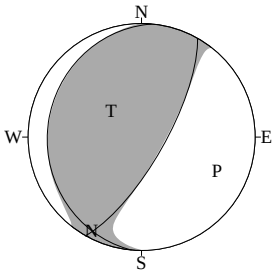


Cent.:43° 7.2'N 146°25.3'E 35km Δt= 2.7
Mo: 8.91x10^{16}N·m Mw:5.2 Mj:5.3 (sec)
mrr:-1.84 mtt: 0.42 mff: 1.42
mrt: 7.74 mrf: 3.81 mtf: 1.49 (x10^{16}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	9°	10°	-144°	P-axis:	-8.92	162°	50°
NP2:	243°	84°	-82°	T-axis:	8.91	325°	38°
				N-axis:	0.00	62°	8°

V.R.: 79% ε: 0.00 N:21 COMP:48

2019/05/05 04:51:43.6
E OFF MIYAGI PREF
Hypo.:38°44.3'N 142°18.8'E 38km

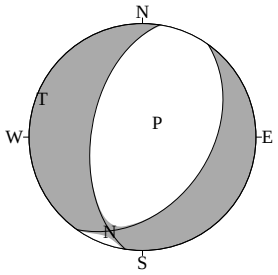


Cent.:38°46.9'N 142°19.0'E 38km Δt= 0.5
Mo: 1.20x10^{16}N·m Mw:4.7 Mj:4.7 (sec)
mrr: 0.62 mtt: 0.01 mff:-0.63
mrt: 0.52 mrf: 0.85 mtf:-0.24 (x10^{16}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	30°	73°	97°	P-axis:	-1.23	114°	28°
NP2:	185°	18°	67°	T-axis:	1.17	311°	61°
				N-axis:	0.06	208°	7°

V.R.: 77% ε:-0.05 N:19 COMP:38

2019/05/07 23:42:23.1
FAR E OFF CENTRAL HONSHU
Hypo.:35°21.1'N 142°40.0'E 59km

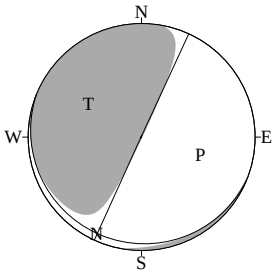


Cent.:35°14.7'N 142°40.6'E 16km Δt= 0.9
Mo: 2.34x10^{16}N·m Mw:4.8 Mj:4.8 (sec)
mrr:-2.17 mtt: 0.23 mff: 1.94
mrt:-0.33 mrf: 0.65 mtf: 0.83 (x10^{16}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	35°	41°	-69°	P-axis:	-2.35	45°	75°
NP2:	189°	53°	-107°	T-axis:	2.32	291°	6°
				N-axis:	0.03	199°	13°

V.R.: 84% ε:-0.01 N:40 COMP:84

2019/05/08 02:58:29.8
SE OFF ETOROFU
Hypo.:44° 6.2'N 148° 2.2'E 0km



Cent.:44° 6.2'N 148° 3.8'E 10km Δt= 0.7
Mo: 1.86x10^{16}N·m Mw:4.8 Mj:4.9 (sec)
mrr: 0.04 mtt: 0.09 mff:-0.13
mrt: 0.79 mrf: 1.67 mtf: 0.23 (x10^{16}N·m)

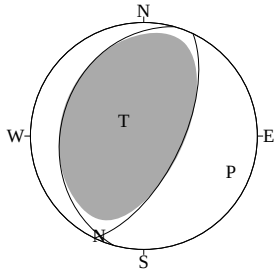
	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	112°	7°	-3°	P-axis:	-1.80	107°	45°
NP2:	205°	90°	-97°	T-axis:	1.93	302°	44°
				N-axis:	-0.13	205°	7°

V.R.: 60% ε: 0.07 N:18 COMP:30

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

2019/05/10 07:43:21.2
HYUGANADA REGION
Hypo.:31°47.1'N 131°59.5'E 25km

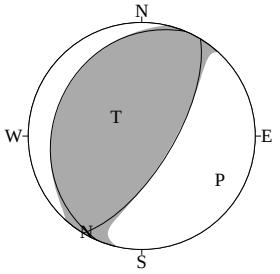


Cent.:31°29.7'N 131°59.7'E 32km Δt= 3.2
Mo: 4.30x10^{17}N·m Mw:5.7 Mj:5.6 (sec)
mrr: 3.63 mtt:-0.63 mff:-3.00
mrt: 1.26 mrf: 2.16 mtf:-1.01 (x10^{17}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	26°	63°	95°	P-axis:-	4.20	112°	18°
NP2:	196°	28°	81°	T-axis:	4.40	307°	72°
				N-axis:-	0.30	204°	4°

V.R.: 74% ε: 0.07 N:20 COMP:39

2019/05/10 08:48:41.6
HYUGANADA REGION
Hypo.:31°48.0'N 131°58.4'E 25km

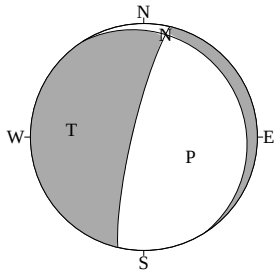


Cent.:31°39.9'N 131°57.8'E 32km Δt= 5.7
Mo: 2.66x10^{18}N·m Mw:6.2 Mj:6.3 (sec)
mrr: 1.81 mtt:-0.30 mff:-1.51
mrt: 1.01 mrf: 1.58 mtf:-0.85 (x10^{18}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	31°	68°	93°	P-axis:-	2.72	119°	22°
NP2:	203°	23°	82°	T-axis:	2.59	307°	67°
				N-axis:	0.13	210°	3°

V.R.: 79% ε:-0.05 N:24 COMP:51

2019/05/11 08:59:40.0
HYUGANADA REGION
Hypo.:32°41.4'N 132°17.6'E 36km

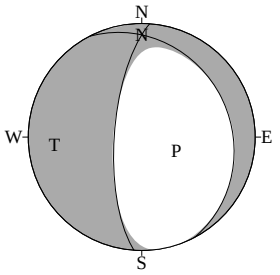


Cent.:32°43.4'N 132°17.4'E 26km Δt= 2.3
Mo: 2.82x10^{16}N·m Mw:4.9 Mj:5.0 (sec)
mrr:-0.80 mtt:-0.15 mff: 0.95
mrt: 0.67 mrf: 2.59 mtf:-0.19 (x10^{16}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	327°	12°	-135°	P-axis:-	2.82	113°	53°
NP2:	193°	82°	-81°	T-axis:	2.83	276°	36°
				N-axis:-	0.01	12°	8°

V.R.: 85% ε: 0.00 N:42 COMP:94

2019/05/12 15:07:43.7
HYUGANADA REGION
Hypo.:32°42.3'N 132°17.6'E 37km

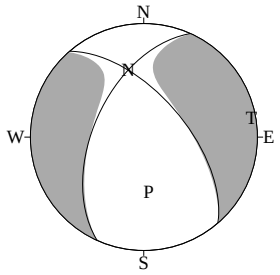


Cent.:32°42.3'N 132°17.2'E 37km Δt= 0.4
Mo: 3.67x10^{15}N·m Mw:4.3 Mj:4.3 (sec)
mrr:-2.37 mtt: 0.09 mff: 2.28
mrt: 0.49 mrf: 2.75 mtf:-0.53 (x10^{15}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	333°	23°	-119°	P-axis:-	3.76	112°	63°
NP2:	184°	70°	-78°	T-axis:	3.58	265°	24°
				N-axis:	0.18	360°	11°

V.R.: 79% ε:-0.05 N:19 COMP:24

2019/05/13 14:01:46.7
FAR E OFF IZU ISLANDS
Hypo.:30°31.8'N 143°28.4'E 18km

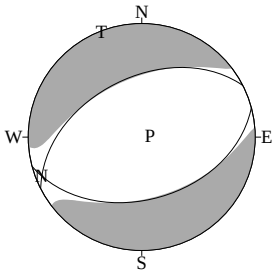


Cent.:30°31.5'N 143°31.6'E 10km Δt= 0.6
Mo: 1.39x10^{16}N·m Mw:4.7 Mj:5.2 (sec)
mrr:-0.83 mtt:-0.56 mff: 1.39
mrt: 0.61 mrf:-0.06 mtf:-0.30 (x10^{16}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	319°	60°	-137°	P-axis:-	1.33	175°	50°
NP2:	204°	53°	-38°	T-axis:	1.45	80°	4°
				N-axis:-	0.12	347°	39°

V.R.: 71% ε: 0.08 N:14 COMP:19

2019/05/13 18:59:34.9
E OFF FUKUSHIMA PREF
Hypo.:37° 9.3'N 141°14.8'E 21km



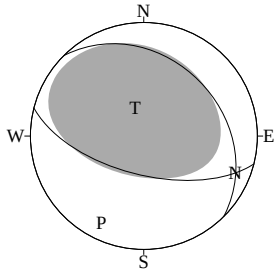
Cent.:37° 9.3'N 141°14.7'E 10km Δt= 0.4
Mo: 4.66x10^{15}N·m Mw:4.4 Mj:4.7 (sec)
mrr:-4.43 mtt: 4.16 mff: 0.27
mrt: 0.03 mrf: 0.47 mtf: 1.76 (x10^{15}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	75°	44°	-81°	P-axis:-	4.48	81°	84°
NP2:	243°	47°	-98°	T-axis:	4.84	339°	1°
				N-axis:-	0.36	249°	6°

V.R.: 78% ε: 0.07 N:29 COMP:44

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2019/05/15 05:55:27.2
E OFF HOKKAIDO
Hypo.:43°36.2'N 147°50.1'E 5km

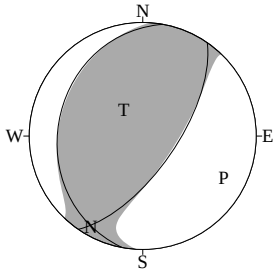


Cent.:43°33.1'N 147°50.1'E 54km Δt= 7.2
Mo: 1.10x10^{17}N·m Mw:5.3 Mj:5.0 (sec)
mrr: 0.93 mtt:-0.62 mff:-0.32
mrt: 0.62 mrf: 0.05 mtf: 0.33 (x10^{17}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	104°	62°	75°	P-axis:	-1.00	206°	16°
NP2:	315°	32°	117°	T-axis:	1.20	343°	69°
				N-axis:	-0.20	112°	14°

V.R.: 80% ε: 0.17 N:20 COMP:45

2019/05/15 14:24:31.2
NEAR AMAMI-OSHIMA ISLAND
Hypo.:29°44.6'N 130°41.1'E 36km

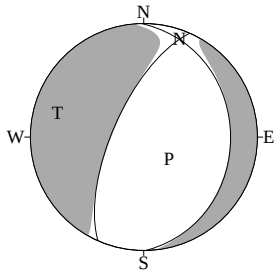


Cent.:29°39.9'N 130°42.8'E 30km Δt= 2.0
Mo: 4.80x10^{17}N·m Mw:5.7 Mj:5.7 (sec)
mrr: 3.33 mtt:-0.17 mff:-3.16
mrt: 2.03 mrf: 2.48 mtf:-1.60 (x10^{17}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	35°	66°	100°	P-axis:	-5.00	117°	21°
NP2:	190°	26°	68°	T-axis:	4.60	324°	67°
				N-axis:	0.40	210°	9°

V.R.: 65% ε:-0.08 N:37 COMP:82

2019/05/25 15:20:46.6
KUJUKURI COAST BOSO PEN
Hypo.:35°21.4'N 140°17.4'E 38km

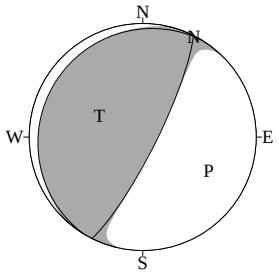


Cent.:35°23.1'N 140°17.5'E 38km Δt= 0.7
Mo: 3.09x10^{16}N·m Mw:4.9 Mj:5.1 (sec)
mrr:-2.07 mtt:-0.12 mff: 2.20
mrt: 1.03 mrf: 1.91 mtf: 0.52 (x10^{16}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	359°	24°	-113°	P-axis:	-3.02	131°	66°
NP2:	204°	68°	-80°	T-axis:	3.15	286°	22°
				N-axis:	-0.13	20°	9°

V.R.: 79% ε: 0.04 N:46 COMP:87

2019/05/26 08:58:47.7
FAR E OFF SANRIKU
Hypo.:39°54.0'N 143°23.9'E 9km



Cent.:39°54.0'N 143°24.6'E 10km Δt= 0.4
Mo: 4.75x10^{15}N·m Mw:4.4 Mj:4.6 (sec)
mrr: 1.53 mtt:-0.27 mff:-1.26
mrt: 1.99 mrf: 4.00 mtf:-0.77 (x10^{15}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	27°	80°	89°	P-axis:	-4.83	117°	35°
NP2:	211°	10°	95°	T-axis:	4.67	296°	55°
				N-axis:	0.16	27°	1°

V.R.: 70% ε:-0.03 N:19 COMP:25

EQUAL AREA PROJECTON, LOWER HEMISPHERE.