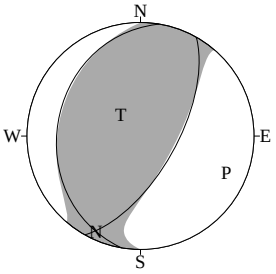
CMT SOLUTIONS FOR EARTHQUAKES IN DECEMBER, 2022

2022/12/01 12:36:59.6
FAR E OFF SANRIKU
Hypo.:40°24.1'N 144° 6.7'E 22km

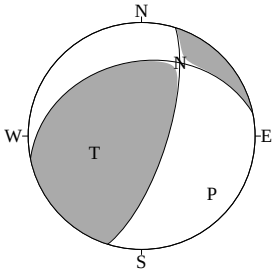


Cent.:40°12.8'N 144° 8.5'E 10km Δt= 1.3
Mo: 1.24x10^{16}N·m Mw:4.7 Mj:5.0 (sec)
mrr: 0.91 mtt: 0.00 mff:-0.91
mrt: 0.43 mrf: 0.64 mtf:-0.39 (x10^{16}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	29°	64°	99°	P-axis:	-1.30	113°	19°
NP2:	189°	27°	72°	T-axis:	1.19	318°	69°
				N-axis:	0.11	205°	8°

V.R.: 64% ε:-0.09 N:15 COMP:21

2022/12/06 00:20:55.5
E OFF AOMORI PREF
Hypo.:41° 3.1'N 142°23.1'E 48km

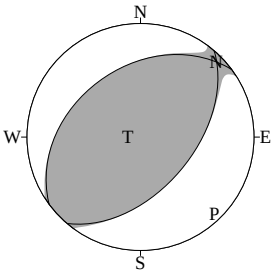


Cent.:41° 3.1'N 142°23.2'E 48km Δt= 0.5
Mo: 7.23x10^{15}N·m Mw:4.5 Mj:4.6 (sec)
mrr: 3.78 mtt:-2.30 mff:-1.48
mrt: 0.38 mrf: 5.15 mtf:-3.83 (x10^{15}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	17°	72°	60°	P-axis:	-7.19	129°	21°
NP2:	258°	34°	146°	T-axis:	7.26	251°	54°
				N-axis:	-0.07	28°	28°

V.R.: 77% ε: 0.01 N:19 COMP:25

2022/12/08 01:54:27.5
TAIWAN REGION
Hypo.:23°46.3'N 121°36.6'E 33km

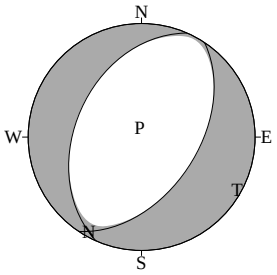


Cent.:23°53.7'N 121°36.6'E 33km Δt= 4.5
Mo: 1.20x10^{17}N·m Mw:5.3 Mj:5.2 (sec)
mrr: 1.11 mtt:-0.59 mff:-0.51
mrt: 0.11 mrf: 0.28 mtf:-0.59 (x10^{17}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	41°	52°	82°	P-axis:	-1.20	136°	7°
NP2:	233°	39°	100°	T-axis:	1.20	273°	81°
				N-axis:	0.00	45°	6°

V.R.: 78% ε:-0.02 N:9 COMP:17

2022/12/11 18:46:37.8
E OFF FUKUSHIMA PREF
Hypo.:37°12.6'N 141°31.1'E 23km

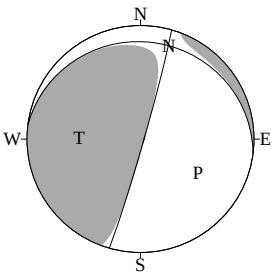


Cent.:37° 3.6'N 141°31.5'E 22km Δt= 1.0
Mo: 1.20x10^{16}N·m Mw:4.7 Mj:4.8 (sec)
mrr:-1.19 mtt: 0.28 mff: 0.91
mrt:-0.18 mrf:-0.10 mtf: 0.49 (x10^{16}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	34°	49°	-83°	P-axis:	-1.21	349°	83°
NP2:	203°	41°	-98°	T-axis:	1.19	119°	4°
				N-axis:	0.02	209°	5°

V.R.: 70% ε:-0.02 N:26 COMP:43

2022/12/11 21:03:20.6
SE OFF TOKACHI
Hypo.:41°49.7'N 144°16.1'E 16km

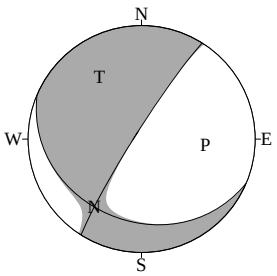


Cent.:41°43.5'N 144°16.5'E 10km Δt= 0.7
Mo: 1.72x10^{16}N·m Mw:4.8 Mj:4.8 (sec)
mrr: 0.17 mtt:-0.31 mff: 0.14
mrt: 0.41 mrf: 1.61 mtf:-0.39 (x10^{16}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	16°	88°	75°	P-axis:	-1.68	120°	41°
NP2:	277°	15°	171°	T-axis:	1.76	271°	45°
				N-axis:	-0.07	17°	15°

V.R.: 66% ε: 0.04 N:19 COMP:34

2022/12/13 23:25:20.3
NEAR AMAMI-OSHIMA ISLAND
Hypo.:27°36.0'N 129°24.8'E 37km



Cent.:27°36.0'N 129°27.0'E 18km Δt= 1.2
Mo: 3.20x10^{17}N·m Mw:5.6 Mj:6.0 (sec)
mrr:-0.51 mtt: 1.53 mff:-1.02
mrt: 1.34 mrf: 2.48 mtf: 0.82 (x10^{17}N·m)

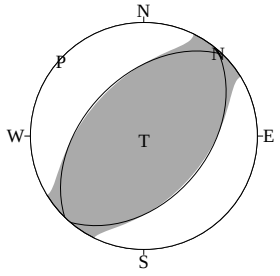
	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	113°	28°	-11°	P-axis:	-3.30	95°	43°
NP2:	212°	85°	-118°	T-axis:	3.20	326°	34°
				N-axis:	0.10	215°	28°

V.R.: 75% ε:-0.03 N:22 COMP:33

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

2022/12/15 13:03:16.4
TAIWAN REGION
Hypo.:23°47.9'N 121°52.1'E 0km

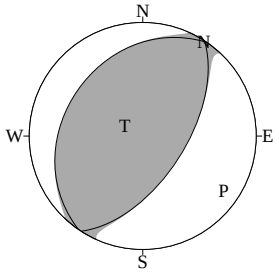


Cent.:23°49.1'N 121°50.9'E 27km Δt= 7.3
Mo: 1.23x10^{18}N·m Mw:6.0 Mj:5.9 (sec)
mrr: 1.17 mtt:-0.52 mff:-0.65
mrt:-0.08 mrf:-0.04 mtf:-0.69 (x10^{18}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	40°	43°	87°	P-axis:-	1.28	312°	2°
NP2:	224°	47°	92°	T-axis:	1.17	175°	87°
				N-axis:	0.11	42°	2°

V.R.: 57% ε:-0.09 N:8 COMP:20

2022/12/18 03:06: 3.2
HYUGANADA REGION
Hypo.:31°47.3'N 131°38.0'E 34km

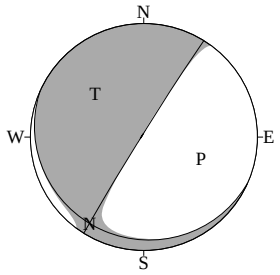


Cent.:31°40.3'N 131°38.3'E 43km Δt= 3.5
Mo: 3.50x10^{17}N·m Mw:5.6 Mj:5.4 (sec)
mrr: 3.05 mtt:-0.90 mff:-2.15
mrt: 0.92 mrf: 1.46 mtf:-1.49 (x10^{17}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	33°	60°	89°	P-axis:-	3.60	124°	15°
NP2:	214°	30°	91°	T-axis:	3.50	301°	75°
				N-axis:	0.10	33°	1°

V.R.: 72% ε:-0.02 N:37 COMP:80

2022/12/18 23:19:38.2
NEAR TANEGASHIMA ISLAND
Hypo.:30°22.5'N 131°15.2'E 31km

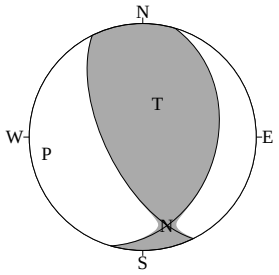


Cent.:30°15.3'N 131°14.6'E 13km Δt= 1.1
Mo: 2.95x10^{16}N·m Mw:4.9 Mj:4.8 (sec)
mrr:-0.20 mtt: 0.60 mff:-0.41
mrt: 1.49 mrf: 2.47 mtf: 0.26 (x10^{16}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	114°	11°	-8°	P-axis:-	2.99	111°	45°
NP2:	212°	88°	-101°	T-axis:	2.90	312°	42°
				N-axis:	0.09	212°	11°

V.R.: 75% ε:-0.03 N:24 COMP:39

2022/12/24 17:35:39.2
W OFF OGASAWARA
Hypo.:28°11.9'N 139° 6.4'E 542km

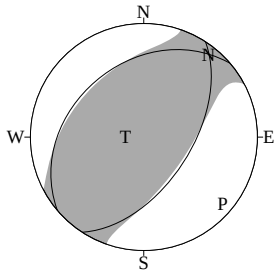


Cent.:28°13.4'N 139° 3.8'E 543km Δt= 1.6
Mo: 2.20x10^{17}N·m Mw:5.5 Mj:5.2 (sec)
mrr: 1.64 mtt: 0.30 mff:-1.94
mrt: 0.87 mrf:-0.89 mtf: 0.20 (x10^{17}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	17°	35°	127°	P-axis:-	2.20	260°	15°
NP2:	154°	63°	67°	T-axis:	2.20	24°	64°
				N-axis:	0.00	165°	20°

V.R.: 79% ε:-0.01 N:63 COMP:95

2022/12/28 16:44:46.7
SE OFF ETOROFU
Hypo.:44°17.2'N 148°52.5'E 30km



Cent.:43°55.2'N 148°51.6'E 45km Δt= 8.8
Mo: 8.52x10^{16}N·m Mw:5.2 Mj:5.1 (sec)
mrr: 7.24 mtt:-2.87 mff:-4.37
mrt: 1.24 mrf: 2.90 mtf:-4.90 (x10^{16}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	33°	56°	81°	P-axis:-	9.13	130°	10°
NP2:	229°	35°	104°	T-axis:	7.92	272°	77°
				N-axis:	1.20	38°	8°

V.R.: 81% ε:-0.13 N:17 COMP:39

EQUAL AREA PROJECTON, LOWER HEMISPHERE.