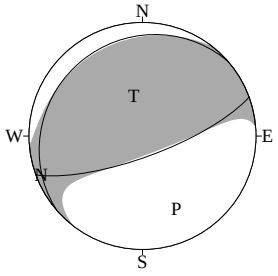
CMT SOLUTIONS FOR EARTHQUAKES IN MARCH, 2023

2023/03/07 07:24:47.3
SE OFF TOKACHI
Hypo.:42°20.7'N 144°35.5'E 20km

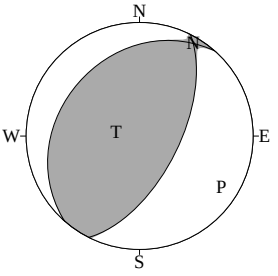


Cent.:42°16.6'N 144°35.4'E 22km Δt= 1.8
Mo: 2.35x10^{16}N·m Mw:4.8 Mj:5.0 (sec)
mrr: 1.05 mtt:-0.95 mff:-0.10
mrt: 1.91 mrf: 0.67 mtf:-0.66 (x10^{16}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	70°	75°	96°	P-axis:	-2.46	155°	30°
NP2:	229°	16°	70°	T-axis:	2.23	348°	60°
				N-axis:	0.23	249°	5°

V.R.: 85% ε:-0.09 N:15 COMP:24

2023/03/11 05:12:39.8
HIDAKA REGION
Hypo.:42°11.9'N 142°57.5'E 49km

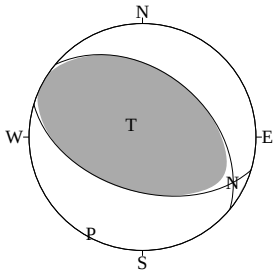


Cent.:42°11.9'N 142°57.4'E 49km Δt= 0.6
Mo: 1.51x10^{16}N·m Mw:4.7 Mj:4.8 (sec)
mrr: 1.25 mtt:-0.38 mff:-0.88
mrt: 0.29 mrf: 0.77 mtf:-0.61 (x10^{16}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	27°	61°	83°	P-axis:	-1.52	122°	16°
NP2:	221°	29°	103°	T-axis:	1.51	280°	73°
				N-axis:	0.01	30°	6°

V.R.: 80% ε:-0.01 N:16 COMP:21

2023/03/20 10:59:23.4
NEAR CHOSHI CITY
Hypo.:35°30.5'N 140°56.4'E 35km

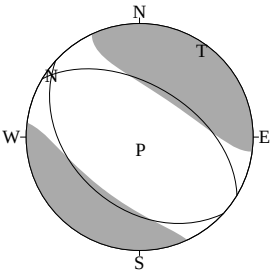


Cent.:35°30.6'N 140°57.8'E 35km Δt= 0.6
Mo: 1.32x10^{16}N·m Mw:4.7 Mj:4.6 (sec)
mrr: 1.27 mtt:-0.99 mff:-0.28
mrt: 0.30 mrf: 0.15 mtf: 0.54 (x10^{16}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	107°	50°	75°	P-axis:	-1.30	208°	4°
NP2:	310°	42°	107°	T-axis:	1.34	318°	78°
				N-axis:	-0.04	117°	12°

V.R.: 68% ε: 0.03 N:30 COMP:42

2023/03/21 10:45:20.2
TAIWAN REGION
Hypo.:23°36.8'N 121°21.5'E 13km

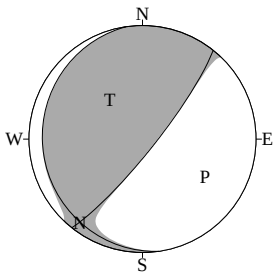


Cent.:23°37.0'N 121°21.0'E 10km Δt= 2.8
Mo: 7.63x10^{16}N·m Mw:5.2 Mj:5.1 (sec)
mrr:-6.08 mtt: 4.76 mff: 1.31
mrt: 1.62 mrf:-0.73 mtf:-5.44 (x10^{16}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	132°	39°	-81°	P-axis:	-6.31	175°	81°
NP2:	301°	52°	-97°	T-axis:	8.95	36°	7°
				N-axis:	-2.63	305°	6°

V.R.: 82% ε: 0.29 N:8 COMP:17

2023/03/22 16:37: 0.1
NE OFF IWATE PREF
Hypo.:40°15.0'N 143° 4.3'E 20km

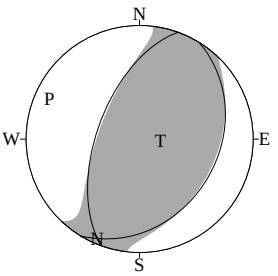


Cent.:40°16.2'N 143° 4.1'E 20km Δt= 4.4
Mo: 3.70x10^{17}N·m Mw:5.6 Mj:5.7 (sec)
mrr: 1.04 mtt: 0.20 mff:-1.24
mrt: 2.19 mrf: 2.65 mtf:-0.49 (x10^{17}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	39°	81°	99°	P-axis:	-3.70	121°	36°
NP2:	172°	13°	44°	T-axis:	3.60	320°	53°
				N-axis:	0.10	217°	9°

V.R.: 71% ε:-0.03 N:38 COMP:93

2023/03/23 08:31:57.9
FAR FIELD
Hypo.:19°35.8'N 121°22.4'E 0km



Cent.:19°10.0'N 121°19.2'E 23km Δt= 0.8
Mo: 3.80x10^{17}N·m Mw:5.6 Mj:5.3 (sec)
mrr: 3.10 mtt:-0.31 mff:-2.79
mrt:-0.45 mrf:-1.71 mtf:-1.51 (x10^{17}N·m)

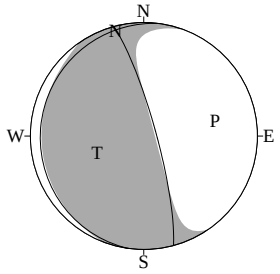
	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	32°	31°	100°	P-axis:	-3.90	294°	14°
NP2:	200°	59°	84°	T-axis:	3.60	93°	75°
				N-axis:	0.40	203°	5°

V.R.: 77% ε:-0.10 N:6 COMP:13

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

2023/03/24 13:25:27.9
NEAR TORISHIMA IS
Hypo.:30° 3.5′N 142° 0.6′E 47km

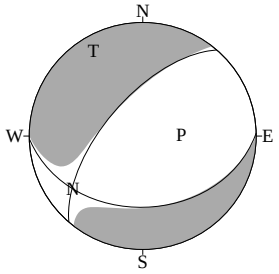


Cent.:30° 3.4′N 142° 1.4′E 10km Δt= 4.4
Mo: 1.60x10^{17}N·m Mw:5.4 Mj:5.4 (sec)
mrr: 0.42 mtt: 0.15 mff:-0.57
mrt:-0.40 mrf: 1.46 mtf: 0.09 (x10^{17}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	345°	81°	86°	P-axis:	-1.70	78°	36°
NP2:	187°	10°	112°	T-axis:	1.50	250°	54°
				N-axis:	0.10	345°	4°

V.R.: 83% ε:-0.09 N:22 COMP:49

2023/03/24 16:25:35.0
NORTHERN IBARAKI PREF
Hypo.:36°25.1′N 140°18.3′E 83km

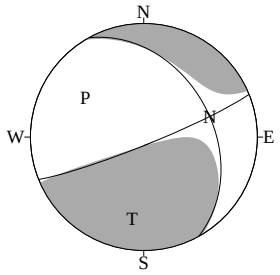


Cent.:36°25.9′N 140°18.4′E 83km Δt= 0.6
Mo: 1.62x10^{16}N·m Mw:4.7 Mj:4.7 (sec)
mrr:-1.14 mtt: 1.14 mff: 0.00
mrt: 0.34 mrf: 0.81 mtf: 0.74 (x10^{16}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	89°	37°	-49°	P-axis:	-1.56	88°	62°
NP2:	221°	63°	-117°	T-axis:	1.67	330°	14°
				N-axis:	-0.11	233°	24°

V.R.: 82% ε: 0.07 N:38 COMP:57

2023/03/27 00:04:20.7
KINKAZAN REGION
Hypo.:38°18.4′N 141°36.9′E 60km

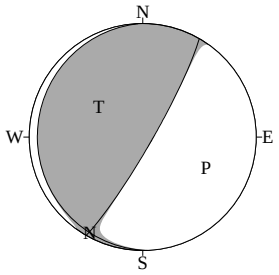


Cent.:38°18.0′N 141°37.4′E 60km Δt= 0.9
Mo: 3.49x10^{16}N·m Mw:5.0 Mj:5.3 (sec)
mrr:-0.57 mtt: 2.14 mff:-1.57
mrt:-2.46 mrf:-0.94 mtf:-1.30 (x10^{16}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	68°	84°	-129°	P-axis:	-3.31	304°	38°
NP2:	331°	39°	-9°	T-axis:	3.68	188°	28°
				N-axis:	-0.37	73°	39°

V.R.: 83% ε: 0.10 N:46 COMP:87

2023/03/28 18:18:28.9
E OFF AOMORI PREF
Hypo.:41° 9.5′N 142°50.9′E 28km

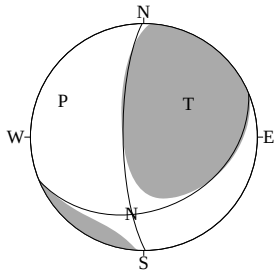


Cent.:41°11.6′N 142°49.9′E 30km Δt= 6.7
Mo: 2.55x10^{18}N·m Mw:6.2 Mj:6.2 (sec)
mrr: 0.56 mtt: 0.04 mff:-0.61
mrt: 1.25 mrf: 2.14 mtf:-0.19 (x10^{18}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	30°	83°	94°	P-axis:	-2.57	116°	38°
NP2:	178°	8°	58°	T-axis:	2.53	305°	51°
				N-axis:	0.05	209°	4°

V.R.: 60% ε:-0.02 N:26 COMP:71

2023/03/31 14:52:17.9
NEAR CHICHIJIMA ISLAND
Hypo.:26°58.4′N 142°15.2′E 80km



Cent.:26°54.1′N 142°15.2′E 68km Δt=-1.8
Mo: 1.80x10^{17}N·m Mw:5.4 Mj:5.7 (sec)
mrr: 0.79 mtt:-0.10 mff:-0.68
mrt: 0.43 mrf:-1.37 mtf:-0.92 (x10^{17}N·m)

	STR	DIP	SLIP		MOM	AZM	PLG
NP1:	68°	36°	154°	P-axis:	-1.70	294°	23°
NP2:	179°	75°	57°	T-axis:	2.00	53°	49°
				N-axis:	-0.20	189°	32°

V.R.: 85% ε: 0.12 N:22 COMP:48

EQUAL AREA PROJECTON, LOWER HEMISPHERE.