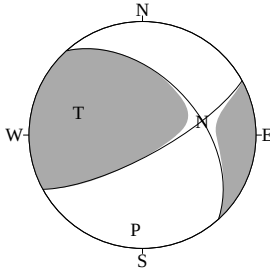


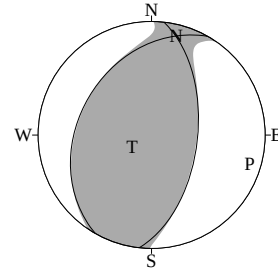
CMT SOLUTIONS FOR EARTHQUAKES IN MAY, 2018

2018/05/02 08:47: 4.3
TAIWAN REGION
Hypo.:23°56.5'N 122°19.8'E 18km



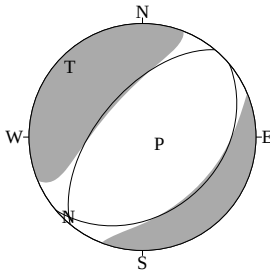
Cent.:24° 4.0'N 122°19.6'E 27km $\Delta t = 4.1$
Mo: 7.63×10^{16} N·m Mw:5.2 Mj:5.5 (sec)
mrr: 2.51 mtt:-6.38 mff: 3.87
mrt: 3.26 mrf: 3.63 mtf: 1.88 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 61° 75° 43° P-axis:-7.49 184° 17°
NP2:318° 49° 160° T-axis: 7.77 289° 40°
N-axis:-0.28 77° 45°
V.R.: 80% ϵ : 0.04 N:9 COMP:14

2018/05/04 02:07: 9.3
CENTRAL CHIBA PREF
Hypo.:35°39.0'N 140°10.8'E 69km



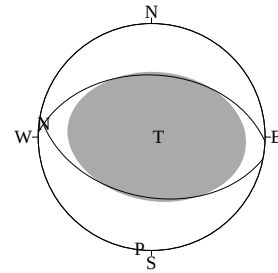
Cent.:35°39.0'N 140°11.2'E 69km $\Delta t = 0.4$
Mo: 5.28×10^{15} N·m Mw:4.4 Mj:4.2 (sec)
mrr: 4.60 mtt:-0.05 mff:-4.55
mrt:-0.37 mrf: 2.07 mtf:-1.59 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 6° 57° 77° P-axis:-5.41 106° 11°
NP2:210° 36° 109° T-axis: 5.15 239° 74°
N-axis: 0.26 14° 11°
V.R.: 70% ϵ :-0.05 N:13 COMP:17

2018/05/06 11:05:16.5
NEAR TOKARA ISLANDS
Hypo.:28°41.3'N 128°47.0'E 13km



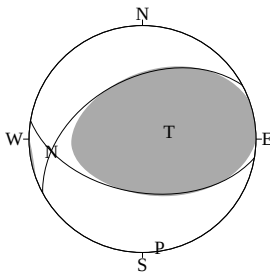
Cent.:28°41.4'N 128°46.9'E 13km $\Delta t = 0.5$
Mo: 6.89×10^{15} N·m Mw:4.5 Mj:4.2 (sec)
mrr:-5.63 mtt: 2.71 mff: 2.91
mrt: 1.68 mrf: 2.36 mtf: 4.06 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 50° 33° -81° P-axis:-6.29 112° 77°
NP2:220° 58° -96° T-axis: 7.50 314° 12°
N-axis:-1.21 223° 5°
V.R.: 68% ϵ : 0.16 N:6 COMP:7

2018/05/06 15:03:54.7
NEAR TORISHIMA IS
Hypo.:31°16.1'N 140° 8.3'E 14km



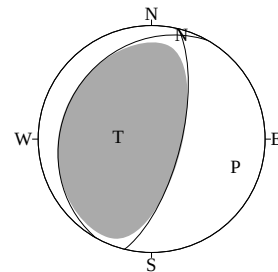
Cent.:31°25.8'N 140° 8.3'E 10km $\Delta t = 10.9$
Mo: 1.30×10^{17} N·m Mw:5.3 Mj:5.7 (sec)
mrr: 1.39 mtt:-1.17 mff:-0.23
mrt: 0.02 mrf:-0.13 mtf: 0.11 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:101° 46° 96° P-axis:-1.20 186° 1°
NP2:272° 44° 83° T-axis: 1.40 86° 85°
N-axis:-0.20 277° 5°
V.R.: 85% ϵ : 0.16 N:15 COMP:31

2018/05/07 05:00:48.4
NORTHERN IWATE PREF
Hypo.:39°35.7'N 141° 9.6'E 98km



Cent.:39°37.5'N 141° 9.5'E 92km $\Delta t = 3.4$
Mo: 6.55×10^{16} N·m Mw:5.1 Mj:5.1 (sec)
mrr: 5.98 mtt:-6.00 mff: 0.02
mrt: 0.96 mrf:-2.30 mtf:-1.06 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 99° 51° 116° P-axis:-6.21 171° 3°
NP2:242° 46° 62° T-axis: 6.89 74° 70°
N-axis:-0.68 262° 20°
V.R.: 88% ϵ : 0.10 N:17 COMP:29

2018/05/10 19:57:11.9
SE OFF MIYAGI PREF
Hypo.:37°49.1'N 141°45.5'E 41km

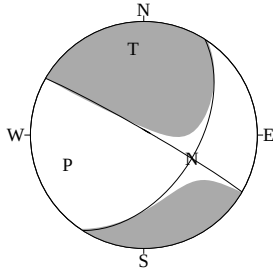


Cent.:37°51.2'N 141°45.6'E 42km $\Delta t = 0.6$
Mo: 1.52×10^{16} N·m Mw:4.7 Mj:4.7 (sec)
mrr: 1.07 mtt:-0.20 mff:-0.87
mrt: 0.20 mrf: 1.10 mtf:-0.33 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 14° 69° 84° P-axis:-1.48 108° 23°
NP2:209° 22° 105° T-axis: 1.56 274° 66°
N-axis:-0.08 16° 5°
V.R.: 80% ϵ : 0.05 N:40 COMP:51

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

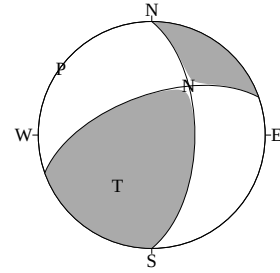
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf:Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG:Moment tensor component, azimuth and plunge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

2018/05/11 13:40:50.1
NW OFF OKINAWAJIMA IS
Hypo.:28° 6.8'N 128° 2.1'E 11km



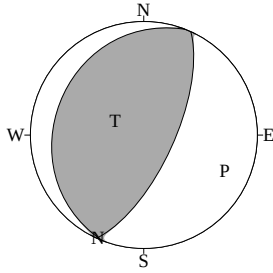
Cent.:28° 6.8'N 128° 1.4'E 11km $\Delta t = 0.6$
Mo: 1.10×10^{16} N·m Mw:4.6 Mj:4.3 (sec)
mrr:-0.12 mtt: 0.84 mff:-0.72
mrt: 0.60 mrf:-0.32 mtf: 0.37 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 33° 51° -176° P-axis:-1.05 249° 29°
NP2:300° 87° -39° T-axis: 1.15 353° 24°
N-axis:-0.10 116° 51°
V.R.: 75% ϵ : 0.09 N:10 COMP:11

2018/05/12 10:29:30.0
NORTHERN NAGANO PREF
Hypo.:36°37.9'N 137°54.0'E 11km



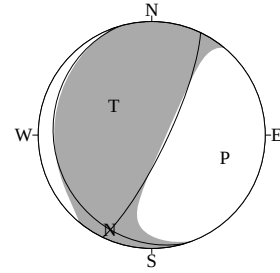
Cent.:36°36.4'N 137°54.4'E 11km $\Delta t = 4.8$
Mo: 4.00×10^{16} N·m Mw:5.0 Mj:5.2 (sec)
mrr: 1.99 mtt: 0.00 mff:-1.99
mrt:-1.73 mrf: 1.06 mtf:-2.81 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 0° 59° 34° P-axis:-3.98 306° 1°
NP2:251° 61° 144° T-axis: 4.01 214° 45°
N-axis:-0.03 37° 45°
V.R.: 84% ϵ : 0.01 N:18 COMP:27

2018/05/13 01:49:38.2
KINKAZAN REGION
Hypo.:38°31.8'N 141°48.9'E 50km



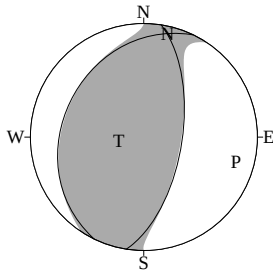
Cent.:38°35.0'N 141°49.0'E 50km $\Delta t = 0.6$
Mo: 1.49×10^{16} N·m Mw:4.7 Mj:4.8 (sec)
mrr: 1.02 mtt:-0.15 mff:-0.87
mrt: 0.46 mrf: 0.98 mtf:-0.37 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 25° 68° 91° P-axis:-1.49 114° 23°
NP2:201° 22° 87° T-axis: 1.49 297° 67°
N-axis: 0.00 204° 1°
V.R.: 83% ϵ : 0.00 N:47 COMP:61

2018/05/14 19:31:17.7
NE OFF IWATE PREF
Hypo.:40° 3.5'N 142°41.1'E 29km



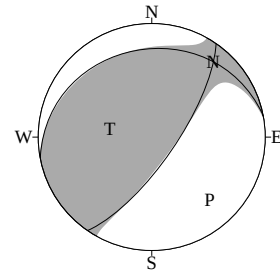
Cent.:40° 1.3'N 142°41.1'E 27km $\Delta t = 2.4$
Mo: 4.66×10^{16} N·m Mw:5.0 Mj:5.1 (sec)
mrr: 1.46 mtt: 0.71 mff:-2.17
mrt: 1.84 mrf: 3.83 mtf:-0.48 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 26° 79° 100° P-axis:-4.95 107° 33°
NP2:163° 15° 48° T-axis: 4.37 308° 55°
N-axis: 0.58 204° 10°
V.R.: 80% ϵ : -0.12 N:43 COMP:66

2018/05/17 12:12:31.7
NEAR CHOSHI CITY
Hypo.:35°42.9'N 140°43.8'E 52km



Cent.:35°46.5'N 140°43.3'E 45km $\Delta t = 6.4$
Mo: 1.50×10^{17} N·m Mw:5.4 Mj:5.3 (sec)
mrr: 1.20 mtt: 0.00 mff:-1.20
mrt: 0.05 mrf: 0.86 mtf:-0.40 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 9° 62° 82° P-axis:-1.60 105° 17°
NP2:205° 29° 105° T-axis: 1.50 261° 72°
N-axis: 0.10 13° 7°
V.R.: 81% ϵ : -0.06 N:26 COMP:40

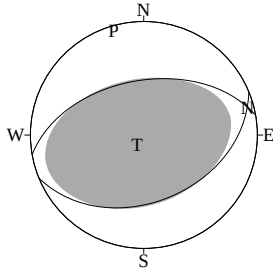
2018/05/18 03:42:13.6
OFF NEMURO PENINSULA
Hypo.:42°43.5'N 145°28.2'E 47km



Cent.:42°34.7'N 145°28.4'E 30km $\Delta t = 2.1$
Mo: 5.50×10^{17} N·m Mw:5.8 Mj:5.8 (sec)
mrr: 2.79 mtt:-2.18 mff:-0.61
mrt: 2.20 mrf: 3.74 mtf:-2.13 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 35° 73° 74° P-axis:-5.60 137° 26°
NP2:259° 23° 132° T-axis: 5.30 282° 59°
N-axis: 0.40 39° 15°
V.R.: 82% ϵ : -0.06 N:17 COMP:32

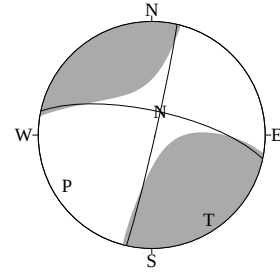
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2018/05/18 17:50:42.9
KURILE ISLANDS REGION
Hypo.:45°22.3'N 150° 9.7'E 30km



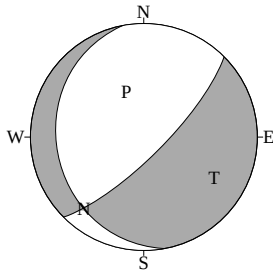
Cent.:45°22.3'N 150°10.0'E 60km $\Delta t = 0.6$
Mo: 9.36×10^{15} N·m Mw:4.6 Mj:5.0 (sec)
mrr: 9.58 mtt:-8.13 mff:-1.46
mrt:-1.83 mrf: 0.65 mtf:-2.14 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 68° 40° 81° P-axis:-8.89 344° 5°
NP2:260° 50° 98° T-axis: 9.84 215° 82°
N-axis:-0.95 75° 6°
V.R.: 80% ϵ : 0.10 N:30 COMP:30

2018/05/24 01:25:53.7
NORTHERN ARIAKEKAI REG
Hypo.:33° 7.4'N 130°26.7'E 10km



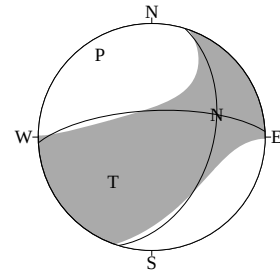
Cent.:33° 7.4'N 130°26.9'E 10km $\Delta t = 0.3$
Mo: 1.57×10^{15} N·m Mw:4.1 Mj:4.1 (sec)
mrr:-0.28 mtt: 0.76 mff:-0.48
mrt:-0.16 mrf:-0.43 mtf: 1.37 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 13° 88°-162° P-axis:-1.43 239° 14°
NP2:282° 72° -2° T-axis: 1.71 146° 11°
N-axis:-0.28 20° 72°
V.R.: 76% ϵ : 0.16 N:8 COMP:12

2018/05/24 20:12:16.7
NW OFF OKINAWAJIMA IS
Hypo.:27°43.0'N 127°45.9'E 110km



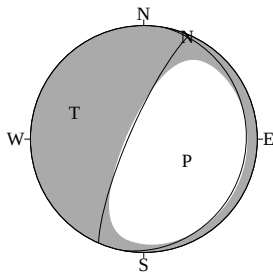
Cent.:27°43.8'N 127°45.9'E 110km $\Delta t = 0.7$
Mo: 1.73×10^{16} N·m Mw:4.8 Mj:4.6 (sec)
mrr:-0.76 mtt:-0.18 mff: 0.94
mrt:-1.12 mrf:-0.92 mtf: 0.38 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 45° 76° -71° P-axis:-1.73 339° 55°
NP2:169° 24°-143° T-axis: 1.73 120° 29°
N-axis: 0.00 220° 19°
V.R.: 80% ϵ : 0.00 N:18 COMP:25

2018/05/25 21:13:42.2
MID NIIGATA PREF
Hypo.:36°56.4'N 138°35.3'E 6km



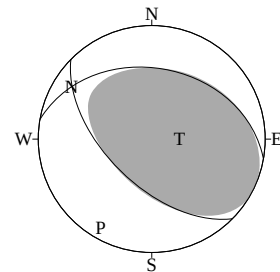
Cent.:36°53.3'N 138°35.4'E 10km $\Delta t = 6.4$
Mo: 3.75×10^{16} N·m Mw:5.0 Mj:5.2 (sec)
mrr: 1.82 mtt:-1.89 mff: 0.08
mrt:-1.99 mrf:-0.01 mtf:-2.73 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 17° 45° 27° P-axis:-4.27 328° 15°
NP2:267° 71° 132° T-axis: 3.24 221° 47°
N-axis: 1.03 71° 39°
V.R.: 81% ϵ :-0.24 N:23 COMP:37

2018/05/26 07:02: 7.8
HYUGANADA REGION
Hypo.:32° 4.9'N 132° 5.3'E 28km



Cent.:32° 4.9'N 132° 5.1'E 28km $\Delta t = 0.4$
Mo: 3.26×10^{15} N·m Mw:4.3 Mj:4.2 (sec)
mrr:-1.35 mtt: 0.38 mff: 0.97
mrt: 1.26 mrf: 2.77 mtf: 0.13 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 10° 11°-103° P-axis:-3.45 116° 55°
NP2:204° 80° -88° T-axis: 3.07 291° 35°
N-axis: 0.38 23° 2°
V.R.: 85% ϵ :-0.11 N:11 COMP:11

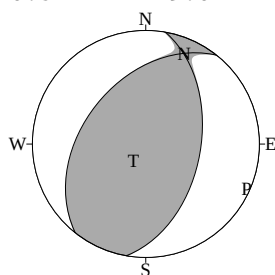
2018/05/26 23:01:34.4
SE OFF MIYAGI PREF
Hypo.:37°48.3'N 141°43.6'E 51km



Cent.:37°48.3'N 141°43.6'E 51km $\Delta t = 0.5$
Mo: 6.74×10^{15} N·m Mw:4.5 Mj:4.7 (sec)
mrr: 5.96 mtt:-4.81 mff:-1.15
mrt: 0.92 mrf:-3.02 mtf: 2.41 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:135° 58° 110° P-axis:-6.42 210° 11°
NP2:280° 37° 61° T-axis: 7.07 89° 70°
N-axis:-0.66 303° 17°
V.R.: 81% ϵ : 0.09 N:41 COMP:56

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2018/05/31 10:03:16.7
 TAIWAN REGION
 Hypo.: 22°48.5'N 121°19.8'E 4km



Cent.: 22°48.5'N 121°18.0'E 10km $\Delta t = 0.6$
 Mo: 1.02×10^{16} N·m Mw: 4.6 Mj: 4.7 (sec)
 mrr: 0.95 mtt: -0.11 mff: -0.84
 mrt: -0.18 mrf: 0.20 mtf: -0.41 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 10° 50° 71° P-axis: -1.03 114° 3°
 NP2: 219° 44° 111° T-axis: 1.02 216° 75°
 N-axis: 0.01 23° 14°
 V.R.: 75% ϵ : -0.01 N: 5 COMP: 8

EQUAL AREA PROJECTON, LOWER HEMISPHERE.