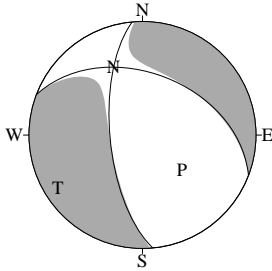


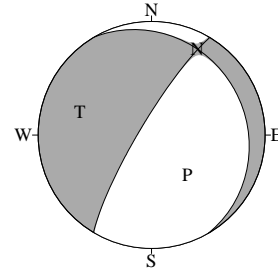
CMT SOLUTIONS FOR EARTHQUAKES IN APRIL, 2020

2020/04/04 12:55:31.0
NEAR AMAMI-OSHIMA ISLAND
Hypo.:28°39.2'N 129°16.5'E 66km



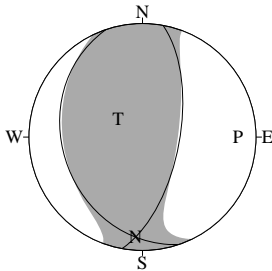
Cent.:28°27.6'N 129°17.0'E 68km $\Delta t = 1.9$
Mo: 3.00×10^{16} N·m Mw:4.9 Mj:4.7 (sec)
mrr:-1.70 mtt: 0.26 mff: 1.44
mrt: 0.47 mrf: 1.60 mtf:-1.93 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:291° 44° -145° P-axis:-2.90 131° 52°
NP2:175° 67° -51° T-axis: 3.10 238° 13°
N-axis:-0.21 337° 35°
V.R.: 78% ϵ : 0.07 N:30 COMP:49

2020/04/07 14:12: 1.6
HYUGANADA REGION
Hypo.:32°32.7'N 132° 7.9'E 33km



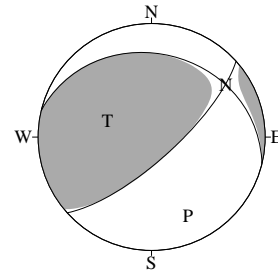
Cent.:32°29.1'N 132° 7.5'E 31km $\Delta t = 0.9$
Mo: 1.66×10^{16} N·m Mw:4.7 Mj:4.7 (sec)
mrr:-0.49 mtt:-0.25 mff: 0.74
mrt: 0.84 mrf: 1.27 mtf: 0.00 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:330° 18° -150° P-axis:-1.66 138° 51°
NP2:211° 81° -75° T-axis: 1.65 288° 34°
N-axis: 0.01 28° 15°
V.R.: 81% ϵ :-0.01 N:25 COMP:37

2020/04/11 12:19:21.4
NEAR CHICHIJIMA ISLAND
Hypo.:28° 8.1'N 142°34.1'E 39km



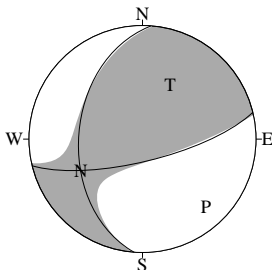
Cent.:27°59.8'N 142°36.6'E 12km $\Delta t = 2.2$
Mo: 7.16×10^{16} N·m Mw:5.2 Mj:4.7 (sec)
mrr: 5.20 mtt: 1.16 mff:-6.36
mrt: 1.25 mrf: 3.95 mtf: 0.38 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 10° 63° 104° P-axis:-7.58 90° 17°
NP2:161° 30° 64° T-axis: 6.73 308° 68°
N-axis: 0.85 184° 13°
V.R.: 79% ϵ :-0.11 N:15 COMP:27

2020/04/12 00:44:48.0
SW IBARAKI PREF
Hypo.:36°11.9'N 139°57.6'E 53km



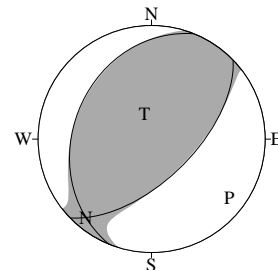
Cent.:36°16.5'N 139°57.8'E 55km $\Delta t = 0.7$
Mo: 2.20×10^{16} N·m Mw:4.8 Mj:5.0 (sec)
mrr: 1.13 mtt:-1.40 mff: 0.27
mrt: 1.10 mrf: 1.36 mtf:-0.41 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 48° 74° 68° P-axis:-2.16 155° 25°
NP2:283° 27° 142° T-axis: 2.25 290° 56°
N-axis:-0.08 55° 21°
V.R.: 71% ϵ : 0.04 N:42 COMP:79

2020/04/15 11:01: 6.4
PHILIPPINE ISL REGION
Hypo.:20° 1.9'N 121°57.2'E 28km



Cent.:19°53.9'N 121°58.5'E 10km $\Delta t = 1.4$
Mo: 3.32×10^{16} N·m Mw:4.9 Mj:5.2 (sec)
mrr: 1.36 mtt:-0.41 mff:-0.96
mrt: 2.12 mrf: 0.12 mtf:-2.26 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 76° 74° 131° P-axis:-3.47 137° 19°
NP2:184° 43° 24° T-axis: 3.17 27° 45°
N-axis: 0.30 243° 39°
V.R.: 78% ϵ :-0.09 N:10 COMP:16

2020/04/15 16:19: 6.3
NEAR OKINAWAJIMA ISLAND
Hypo.:26°21.9'N 128°55.2'E 36km

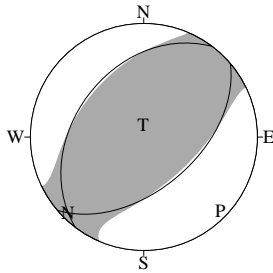


Cent.:26°12.3'N 128°55.0'E 21km $\Delta t = 5.1$
Mo: 3.73×10^{16} N·m Mw:5.0 Mj:5.2 (sec)
mrr: 3.02 mtt:-0.84 mff:-2.18
mrt: 1.60 mrf: 1.08 mtf:-1.73 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 46° 61° 102° P-axis:-3.84 127° 15°
NP2:202° 32° 69° T-axis: 3.63 345° 71°
N-axis: 0.21 220° 11°
V.R.: 64% ϵ :-0.05 N:15 COMP:23

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

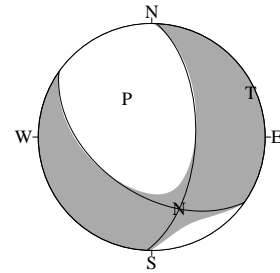
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf: Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG: Moment tensor component, azimuth and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

2020/04/17 06:22:29.8
NEAR OKINAWAJIMA ISLAND
Hypo.:26° 1.3'N 128°41.7'E 34km



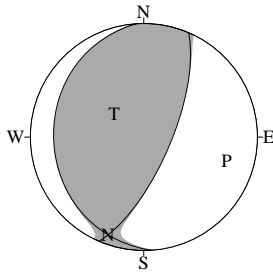
Cent.:25°45.3'N 128°40.1'E 21km $\Delta t = 4.5$
Mo: $8.33 \times 10^{16} \text{N}\cdot\text{m}$ Mw:5.2 Mj:5.3 (sec)
mrr: 7.46 mtt:-3.49 mff:-3.96
mrt: 1.88 mrf: 0.90 mtf:-4.93 ($\times 10^{16} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 50° 52° 98° P-axis:-8.89 134° 7°
NP2:217° 39° 80° T-axis: 7.77 357° 81°
N-axis: 1.12 225° 6°
V.R.: 70% ϵ :-0.13 N:14 COMP:24

2020/04/18 17:25:36.9
W OFF OGASAWARA
Hypo.:27°10.4'N 140°30.4'E 477km



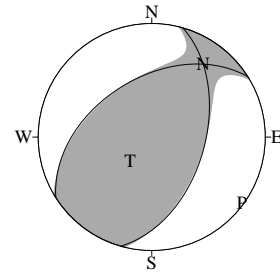
Cent.:27°25.4'N 140°24.3'E 471km $\Delta t = 7.6$
Mo: $9.34 \times 10^{18} \text{N}\cdot\text{m}$ Mw:6.6 Mj:6.8 (sec)
mrr:-6.50 mtt:-0.11 mff: 6.60
mrt:-3.71 mrf:-3.27 mtf:-4.49 ($\times 10^{18} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 2° 58° -51° P-axis:-9.70 327° 57°
NP2:125° 49° -136° T-axis: 8.97 66° 5°
N-axis: 0.73 159° 33°
V.R.: 80% ϵ :-0.07 N:31 COMP:72

2020/04/20 05:39: 5.2
KINKAZAN REGION
Hypo.:38°53.2'N 142° 5.9'E 46km



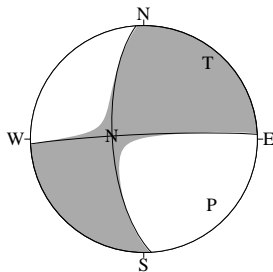
Cent.:38°53.5'N 142° 7.2'E 49km $\Delta t = 4.2$
Mo: $4.85 \times 10^{18} \text{N}\cdot\text{m}$ Mw:6.4 Mj:6.2 (sec)
mrr: 2.94 mtt: 0.16 mff:-3.10
mrt: 1.70 mrf: 3.33 mtf:-0.60 ($\times 10^{18} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 23° 71° 100° P-axis:-4.89 106° 25°
NP2:176° 21° 64° T-axis: 4.80 308° 63°
N-axis: 0.09 200° 9°
V.R.: 69% ϵ :-0.02 N:16 COMP:40

2020/04/20 20:38:52.3
SATSUMA PENINSULA REGION
Hypo.:31°11.3'N 130°24.0'E 148km



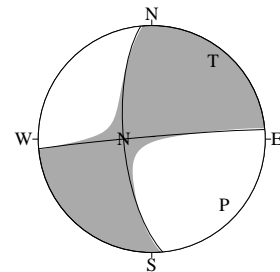
Cent.:31° 9.3'N 130°23.9'E 153km $\Delta t = 1.2$
Mo: $2.20 \times 10^{16} \text{N}\cdot\text{m}$ Mw:4.8 Mj:4.6 (sec)
mrr: 1.84 mtt:-0.54 mff:-1.30
mrt:-0.48 mrf: 0.55 mtf:-1.28 ($\times 10^{16} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 16° 51° 61° P-axis:-2.26 126° 2°
NP2:238° 47° 121° T-axis: 2.14 222° 67°
N-axis: 0.12 35° 22°
V.R.: 85% ϵ :-0.05 N:36 COMP:67

2020/04/23 13:44:22.1
HIDA MOUNTAINS REGION
Hypo.:36°13.5'N 137°39.7'E 3km



Cent.:36°14.4'N 137°39.7'E 10km $\Delta t = 2.2$
Mo: $6.84 \times 10^{16} \text{N}\cdot\text{m}$ Mw:5.2 Mj:5.5 (sec)
mrr:-0.07 mtt: 0.69 mff:-0.62
mrt: 2.61 mrf: 0.65 mtf:-6.26 ($\times 10^{16} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1:268° 87° -157° P-axis:-7.00 134° 18°
NP2:176° 67° -4° T-axis: 6.69 40° 13°
N-axis: 0.31 276° 67°
V.R.: 78% ϵ :-0.04 N:15 COMP:39

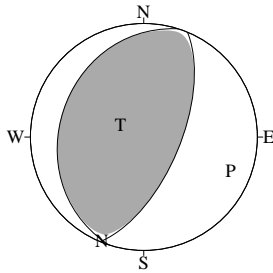
2020/04/23 13:57:55.1
HIDA MOUNTAINS REGION
Hypo.:36°14.1'N 137°39.0'E 5km



Cent.:36°14.8'N 137°39.0'E 10km $\Delta t = 1.8$
Mo: $1.47 \times 10^{16} \text{N}\cdot\text{m}$ Mw:4.7 Mj:5.0 (sec)
mrr: 0.04 mtt: 0.22 mff:-0.26
mrt: 0.50 mrf: 0.13 mtf:-1.35 ($\times 10^{16} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1:174° 70° -2° P-axis:-1.51 132° 15°
NP2:265° 88° -160° T-axis: 1.42 38° 13°
N-axis: 0.08 270° 70°
V.R.: 80% ϵ :-0.06 N:15 COMP:33

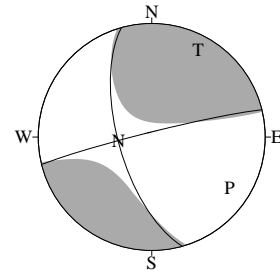
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2020/04/24 04:52:26.6
 E OFF AOMORI PREF
 Hypo.:41°28.8'N 141°59.5'E 65km



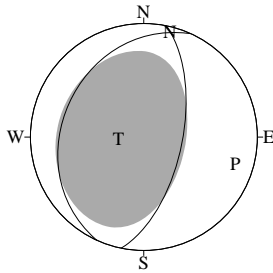
Cent.:41°29.1'N 141°59.8'E 54km $\Delta t = 2.6$
 Mo: 9.58×10^{16} N·m Mw:5.3 Mj:5.2 (sec)
 mrr: 7.63 mtt:-0.97 mff:-6.67
 mrt: 2.41 mrf: 5.32 mtf:-2.41 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 23° 64° 92° P-axis:-9.53 111° 19°
 NP2:198° 26° 85° T-axis: 9.63 298° 71°
 N-axis:-0.10 202° 2°
 V.R.: 80% ϵ : 0.01 N:24 COMP:56

2020/04/26 02:22:49.4
 HIDA MOUNTAINS REGION
 Hypo.:36°15.1'N 137°38.2'E 6km



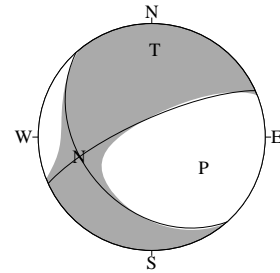
Cent.:36°16.6'N 137°38.2'E 10km $\Delta t = 2.6$
 Mo: 2.11×10^{16} N·m Mw:4.8 Mj:5.0 (sec)
 mrr:-0.34 mtt: 1.15 mff:-0.82
 mrt: 0.82 mrf: 0.15 mtf:-1.66 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:256° 86°-156° P-axis:-1.95 123° 19°
 NP2:164° 66° -4° T-axis: 2.26 28° 14°
 N-axis:-0.31 264° 66°
 V.R.: 81% ϵ : 0.14 N:14 COMP:32

2020/04/26 09:49:10.5
 SW IBARAKI PREF
 Hypo.:36° 7.9'N 140° 4.8'E 66km



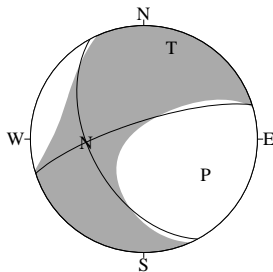
Cent.:36° 6.8'N 140° 5.2'E 71km $\Delta t = 1.1$
 Mo: 2.63×10^{16} N·m Mw:4.9 Mj:4.8 (sec)
 mrr: 2.41 mtt:-0.63 mff:-1.78
 mrt: 0.10 mrf: 1.49 mtf:-0.47 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 11° 62° 84° P-axis:-2.38 106° 17°
 NP2:204° 28° 101° T-axis: 2.88 267° 72°
 N-axis:-0.50 14° 5°
 V.R.: 86% ϵ : 0.17 N:12 COMP:19

2020/04/26 23:02:17.4
 SE OFF TOKACHI
 Hypo.:42° 6.2'N 144°58.1'E 45km



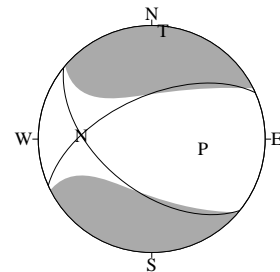
Cent.:41°59.1'N 144°57.6'E 20km $\Delta t = 1.0$
 Mo: 1.20×10^{16} N·m Mw:4.7 Mj:4.7 (sec)
 mrr:-0.43 mtt: 0.81 mff:-0.38
 mrt: 0.71 mrf: 0.58 mtf:-0.32 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:138° 37° -22° P-axis:-1.26 120° 46°
 NP2:246° 77°-125° T-axis: 1.14 2° 24°
 N-axis: 0.12 255° 34°
 V.R.: 52% ϵ :-0.10 N:10 COMP:16

2020/04/27 11:32:17.4
 HIDA MOUNTAINS REGION
 Hypo.:36°14.7'N 137°38.3'E 5km



Cent.:36°21.2'N 137°37.8'E 10km $\Delta t = 1.0$
 Mo: 1.37×10^{16} N·m Mw:4.7 Mj:4.8 (sec)
 mrr:-0.27 mtt: 0.76 mff:-0.49
 mrt: 0.68 mrf: 0.72 mtf:-0.73 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:152° 51° -17° P-axis:-1.54 120° 37°
 NP2:252° 77°-140° T-axis: 1.19 17° 17°
 N-axis: 0.35 267° 48°
 V.R.: 81% ϵ :-0.23 N:20 COMP:35

2020/04/30 12:15:20.9
 E OFF AOMORI PREF
 Hypo.:40°50.4'N 142°49.4'E 34km



Cent.:40°55.0'N 142°49.1'E 34km $\Delta t = 5.0$
 Mo: 7.57×10^{16} N·m Mw:5.2 Mj:5.3 (sec)
 mrr:-4.81 mtt: 8.38 mff:-3.57
 mrt: 1.08 mrf: 2.06 mtf:-1.44 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:129° 53° -40° P-axis:-6.54 101° 52°
 NP2:246° 59°-135° T-axis: 8.60 6° 4°
 N-axis:-2.06 273° 38°
 V.R.: 74% ϵ : 0.24 N:40 COMP:89

EQUAL AREA PROJECTON, LOWER HEMISPHERE.