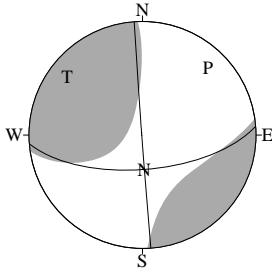


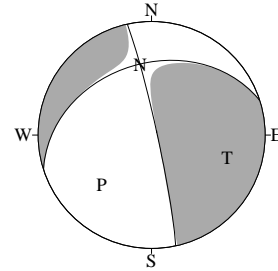
CMT SOLUTIONS FOR EARTHQUAKES IN JULY, 2021

2021/07/07 23:55:33.2
 NW OFF OKINAWAJIMA IS
 Hypo.:28° 8.3'N 128° 5.4'E 14km



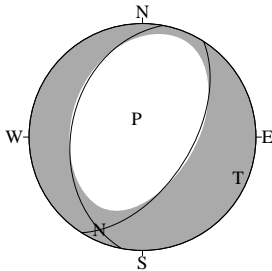
Cent.:28° 4.9'N 128° 5.4'E 14km $\Delta t = 0.6$
 Mo: 1.60×10^{16} N·m Mw:4.7 Mj:4.8 (sec)
 mrr:-0.30 mtt:-0.12 mff: 0.42
 mrt: 0.16 mrf: 0.68 mtf: 1.43 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 86° 65° -1° P-axis:-1.40 44° 18°
 NP2:176° 89°-155° T-axis: 1.80 308° 17°
 N-axis:-0.39 177° 65°
 V.R.: 81% ϵ : 0.22 N:8 COMP:13

2021/07/08 02:02:32.2
 SEA OF JAPAN
 Hypo.:37°10.4'N 135° 4.4'E 384km



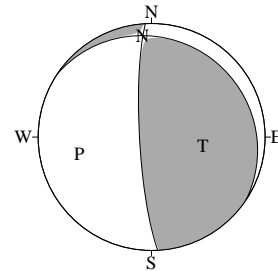
Cent.:37°10.5'N 135° 4.0'E 384km $\Delta t = 0.7$
 Mo: 2.18×10^{16} N·m Mw:4.8 Mj:4.6 (sec)
 mrr:-0.25 mtt:-0.57 mff: 0.82
 mrt: 0.40 mrf:-1.68 mtf: 1.12 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:252° 37° -7° P-axis:-2.13 225° 38°
 NP2:348° 86°-127° T-axis: 2.22 107° 31°
 N-axis:-0.09 351° 37°
 V.R.: 90% ϵ : 0.04 N:15 COMP:25

2021/07/10 05:23:44.9
 FAR E OFF NORTH HONSHU
 Hypo.:37°10.4'N 143°43.4'E 32km



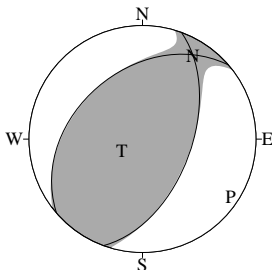
Cent.:37°12.0'N 143°43.4'E 12km $\Delta t = 2.2$
 Mo: 1.00×10^{17} N·m Mw:5.3 Mj:5.2 (sec)
 mrr:-0.97 mtt: 0.18 mff: 0.79
 mrt:-0.32 mrf:-0.20 mtf: 0.27 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 32° 55° -77° P-axis:-1.10 343° 76°
 NP2:190° 37°-108° T-axis: 0.90 113° 9°
 N-axis: 0.10 205° 11°
 V.R.: 92% ϵ :-0.11 N:15 COMP:40

2021/07/13 09:30:20.6
 KURILE ISLANDS REGION
 Hypo.:45°35.4'N 151°30.2'E 30km



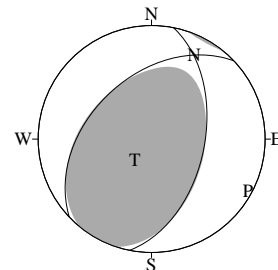
Cent.:45°42.0'N 151°36.3'E 50km $\Delta t = 3.9$
 Mo: 4.40×10^{17} N·m Mw:5.7 Mj:6.2 (sec)
 mrr: 1.28 mtt:-0.12 mff:-1.16
 mrt: 0.09 mrf:-4.10 mtf: 0.91 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:304° 14° 37° P-axis:-4.40 257° 35°
 NP2:177° 81° 101° T-axis: 4.40 100° 52°
 N-axis: 0.00 355° 11°
 V.R.: 80% ϵ : 0.01 N:13 COMP:25

2021/07/14 07:52: 4.2
 TAIWAN REGION
 Hypo.:23°56.1'N 121°37.8'E 0km



Cent.:23°59.7'N 121°38.1'E 11km $\Delta t = 3.6$
 Mo: 8.12×10^{16} N·m Mw:5.2 Mj:5.5 (sec)
 mrr: 7.17 mtt:-1.99 mff:-5.18
 mrt:-0.40 mrf: 2.78 mtf:-4.14 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 20° 54° 72° P-axis:-8.30 123° 8°
 NP2:229° 39° 113° T-axis: 7.95 240° 73°
 N-axis: 0.35 31° 15°
 V.R.: 81% ϵ :-0.04 N:8 COMP:20

2021/07/16 08:29:25.6
 TAIWAN REGION
 Hypo.:23°57.2'N 121°38.1'E 0km

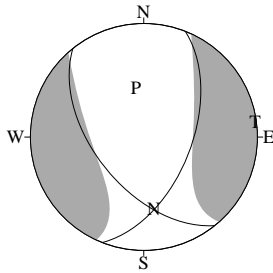


Cent.:23°57.2'N 121°37.4'E 10km $\Delta t = 0.5$
 Mo: 9.64×10^{15} N·m Mw:4.6 Mj:4.7 (sec)
 mrr: 8.87 mtt:-1.92 mff:-6.96
 mrt:-2.30 mrf: 2.51 mtf:-4.04 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 11° 51° 66° P-axis:-9.27 118° 4°
 NP2:226° 44° 117° T-axis:10.01 219° 71°
 N-axis:-0.74 27° 18°
 V.R.: 84% ϵ : 0.07 N:6 COMP:10

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

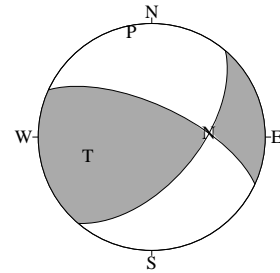
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
 Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
 mrr,mtt,mff,mrt,mrf,mtf:Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
 MOM,AZM,PLG: Moment tensor component, azimuth and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

2021/07/16 13:19:56.9
NEAR HACHIJOJIMA ISLAND
Hypo.:33°16.2'N 139°28.8'E 16km



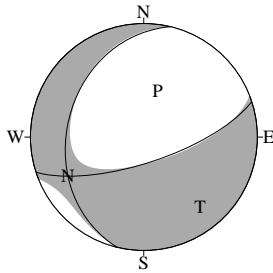
Cent.:33°16.2'N 139°28.8'E 10km $\Delta t = 6.6$
Mo: $1.60 \times 10^{17} \text{N}\cdot\text{m}$ Mw:5.4 Mj:5.4 (sec)
mrr:-1.07 mtt:-0.75 mff: 1.82
mrt:-0.37 mrf:-0.09 mtf:-0.39 ($\times 10^{17} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 22° 55° -45° P-axis:-1.30 351° 54°
NP2:141° 54° -136° T-axis: 1.90 82° 1°
N-axis:-0.50 172° 36°
V.R.: 88% ϵ : 0.29 N:15 COMP:38

2021/07/17 20:50: 0.7
IYONADA SETONAIKAI
Hypo.:33°38.3'N 131°51.3'E 76km



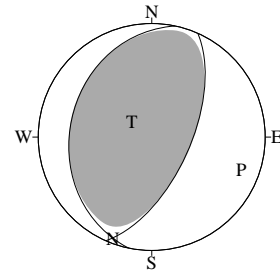
Cent.:33°36.5'N 131°51.3'E 73km $\Delta t = 2.8$
Mo: $9.07 \times 10^{16} \text{N}\cdot\text{m}$ Mw:5.2 Mj:5.1 (sec)
mrr: 3.84 mtt:-8.27 mff: 4.43
mrt:-2.18 mrf: 4.17 mtf:-2.96 ($\times 10^{16} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 40° 57° 28° P-axis:-9.05 349° 6°
NP2:295° 67° 144° T-axis: 9.08 254° 41°
N-axis:-0.02 86° 48°
V.R.: 90% ϵ : 0.00 N:36 COMP:88

2021/07/20 08:03:38.8
NEAR OKINAWAJIMA ISLAND
Hypo.:26°36.9'N 129°52.5'E 47km



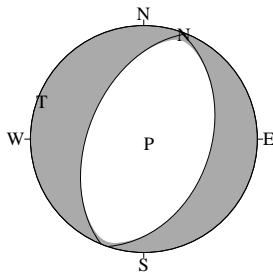
Cent.:26°26.4'N 129°52.3'E 12km $\Delta t = 1.9$
Mo: $2.91 \times 10^{16} \text{N}\cdot\text{m}$ Mw:4.9 Mj:4.8 (sec)
mrr:-1.60 mtt: 0.61 mff: 0.99
mrt:-2.15 mrf:-0.13 mtf: 1.38 ($\times 10^{16} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 72° 72° -63° P-axis:-3.02 17° 55°
NP2:193° 33° -144° T-axis: 2.81 141° 22°
N-axis: 0.21 243° 26°
V.R.: 71% ϵ :-0.07 N:16 COMP:23

2021/07/26 11:16:16.2
E OFF AOMORI PREF
Hypo.:41°28.7'N 142° 8.2'E 52km



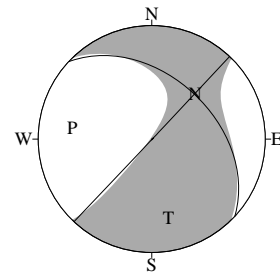
Cent.:41°28.8'N 142° 8.3'E 53km $\Delta t = 1.9$
Mo: $8.77 \times 10^{16} \text{N}\cdot\text{m}$ Mw:5.2 Mj:5.2 (sec)
mrr: 7.35 mtt:-0.83 mff:-6.52
mrt: 2.41 mrf: 4.31 mtf:-2.01 ($\times 10^{16} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 24° 62° 96° P-axis:-8.63 110° 17°
NP2:192° 28° 79° T-axis: 8.91 308° 72°
N-axis:-0.28 201° 5°
V.R.: 85% ϵ : 0.03 N:15 COMP:33

2021/07/27 05:19:21.1
E OFF FUKUSHIMA PREF
Hypo.:37°20.3'N 141°20.5'E 81km



Cent.:37°20.3'N 141°21.0'E 81km $\Delta t = 0.4$
Mo: $4.93 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.4 Mj:4.5 (sec)
mrr:-4.89 mtt: 0.63 mff: 4.27
mrt: 0.41 mrf: 0.68 mtf: 1.56 ($\times 10^{15} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 19° 41° -93° P-axis:-4.96 131° 85°
NP2:202° 50° -88° T-axis: 4.90 290° 5°
N-axis: 0.06 21° 2°
V.R.: 63% ϵ :-0.01 N:15 COMP:27

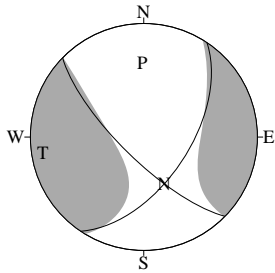
2021/07/27 14:37:49.9
ISE BAY REGION
Hypo.:34°36.1'N 136°40.8'E 359km



Cent.:34°35.7'N 136°40.6'E 360km $\Delta t = 0.8$
Mo: $2.40 \times 10^{16} \text{N}\cdot\text{m}$ Mw:4.9 Mj:4.9 (sec)
mrr: 0.06 mtt: 1.66 mff:-1.72
mrt:-1.00 mrf:-1.41 mtf:-0.01 ($\times 10^{16} \text{N}\cdot\text{m}$)
STR DIP SLIP MOM AZM PLG
NP1: 43° 90° -134° P-axis:-2.56 278° 30°
NP2:313° 44° 0° T-axis: 2.24 168° 30°
N-axis: 0.31 44° 44°
V.R.: 81% ϵ :-0.12 N:43 COMP:66

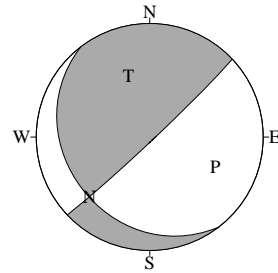
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2021/07/31 13:09:44.6
 TOKUSHIMA PREF
 Hypo.:33°47.8'N 134°37.9'E 45km



Cent.:33°47.1'N 134°37.6'E 46km $\Delta t = 0.6$
 Mo: $7.65 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.5 Mj:4.5 (sec)
 mrr:-3.02 mtt:-4.87 mff: 7.89
 mrt:-2.70 mrf: 1.80 mtf:-1.61 ($\times 10^{15} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 34° 57° -19° P-axis:-6.80 359° 35°
 NP2:134° 74° -146° T-axis: 8.50 261° 11°
 N-axis:-1.69 156° 53°
 V.R.: 82% ϵ : 0.20 N:15 COMP:27

2021/07/31 14:26: 5.8
 ISHIKARI DEPRESSION
 Hypo.:43°17.8'N 141°46.2'E 176km



Cent.:43°15.4'N 141°46.2'E 182km $\Delta t = 0.9$
 Mo: $4.21 \times 10^{16} \text{N}\cdot\text{m}$ Mw:5.0 Mj:5.1 (sec)
 mrr: 0.37 mtt: 1.62 mff:-1.99
 mrt: 2.81 mrf: 2.53 mtf:-0.29 ($\times 10^{16} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 47° 87° 116° P-axis:-4.21 114° 37°
 NP2:142° 26° 6° T-axis: 4.21 341° 42°
 N-axis: 0.00 225° 26°
 V.R.: 85% ϵ : 0.00 N:26 COMP:44

EQUAL AREA PROJECTON, LOWER HEMISPHERE.