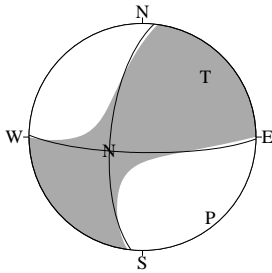


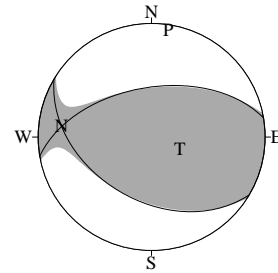
CMT SOLUTIONS FOR EARTHQUAKES IN JANUARY, 2021

2021/01/01 01:53:36.1
NEAR NIIJIMA ISLAND
Hypo.:34°28.8'N 139°18.2'E 12km



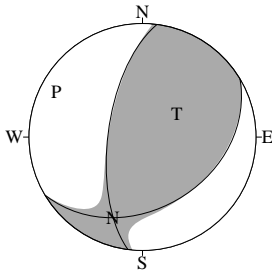
Cent.:34°21.4'N 139°18.7'E 13km $\Delta t = 1.0$
Mo: 7.60×10^{15} N·m Mw:4.5 Mj:4.7 (sec)
mrr: 1.89 mtt:-1.86 mff:-0.03
mrt: 2.55 mrf:-0.83 mtf:-6.92 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 91° 79° 156° P-axis:-8.12 140° 8°
NP2:186° 67° 12° T-axis: 7.08 46° 24°
N-axis: 1.04 247° 64°
V.R.: 76% ϵ :-0.13 N:21 COMP:32

2021/01/09 14:36:33.2
SE OFF MIYAGI PREF
Hypo.:37°50.8'N 142°32.0'E 42km



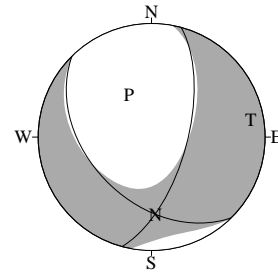
Cent.:37°58.4'N 142°32.5'E 34km $\Delta t = 0.1$
Mo: 1.25×10^{16} N·m Mw:4.7 Mj:4.7 (sec)
mrr: 1.04 mtt:-1.22 mff: 0.17
mrt:-0.28 mrf:-0.35 mtf: 0.26 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:121° 44° 122° P-axis:-1.29 9° 5°
NP2:260° 54° 63° T-axis: 1.22 112° 68°
N-axis: 0.07 277° 21°
V.R.: 72% ϵ :-0.05 N:13 COMP:21

2021/01/09 20:35:52.7
TAIWAN REGION
Hypo.:24°42.5'N 122° 0.6'E 77km



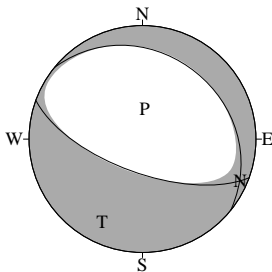
Cent.:24°49.5'N 122° 0.2'E 68km $\Delta t = 1.0$
Mo: 2.71×10^{16} N·m Mw:4.9 Mj:4.7 (sec)
mrr: 1.79 mtt:-0.24 mff:-1.55
mrt: 0.26 mrf:-1.57 mtf:-1.41 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 59° 37° 136° P-axis:-2.78 298° 15°
NP2:187° 65° 62° T-axis: 2.63 56° 60°
N-axis: 0.15 200° 25°
V.R.: 94% ϵ :-0.05 N:5 COMP:7

2021/01/11 09:24:37.7
NW OFF MIYAKOJIMA ISLAND
Hypo.:25°35.8'N 124°22.4'E 157km



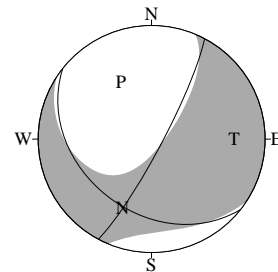
Cent.:25°38.1'N 124°23.4'E 157km $\Delta t = 1.1$
Mo: 2.76×10^{16} N·m Mw:4.9 Mj:4.9 (sec)
mrr:-1.76 mtt:-0.38 mff: 2.14
mrt:-1.35 mrf:-1.16 mtf:-0.82 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 15° 64° -53° P-axis:-2.98 332° 55°
NP2:136° 44°-141° T-axis: 2.54 80° 12°
N-axis: 0.44 177° 32°
V.R.: 81% ϵ :-0.15 N:8 COMP:15

2021/01/12 11:39:42.0
NW OFF SHAKOTAN PEN
Hypo.:43°38.2'N 139°59.1'E 235km



Cent.:43°43.5'N 140° 0.7'E 231km $\Delta t = 5.3$
Mo: 1.12×10^{18} N·m Mw:6.0 Mj:6.0 (sec)
mrr:-0.86 mtt: 0.63 mff: 0.23
mrt:-0.72 mrf: 0.18 mtf:-0.35 ($\times 10^{18}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:110° 66° -98° P-axis:-1.15 4° 68°
NP2:309° 25° -72° T-axis: 1.10 206° 20°
N-axis: 0.05 113° 7°
V.R.: 75% ϵ :-0.04 N:16 COMP:40

2021/01/15 01:28:12.6
NW OFF ISHIGAKIJIMA IS
Hypo.:25°14.7'N 124°18.3'E 128km

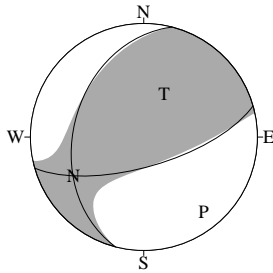


Cent.:25°14.7'N 124°19.2'E 128km $\Delta t = 0.6$
Mo: 1.47×10^{16} N·m Mw:4.7 Mj:4.5 (sec)
mrr:-0.32 mtt:-0.53 mff: 0.84
mrt:-0.85 mrf:-0.88 mtf:-0.46 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 28° 82° -54° P-axis:-1.63 332° 42°
NP2:129° 36°-167° T-axis: 1.32 90° 28°
N-axis: 0.31 203° 35°
V.R.: 86% ϵ :-0.19 N:4 COMP:7

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

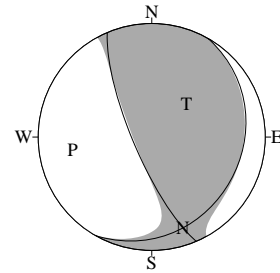
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf:Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG: Moment tensor component, azimuth and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

2021/01/15 17:40: 7.0
 TOKACHI REGION
 Hypo.:42°27.0'N 143°15.3'E 53km



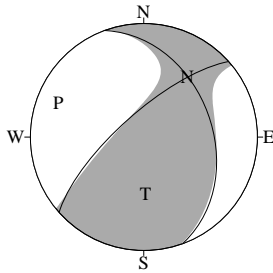
Cent.:42°27.0'N 143°15.4'E 53km $\Delta t = 0.6$
 Mo: $1.13 \times 10^{16} \text{N}\cdot\text{m}$ Mw:4.6 Mj:4.6 (sec)
 mrr: 0.63 mtt:-0.34 mff:-0.29
 mrt: 0.69 mrf: 0.06 mtf:-0.71 ($\times 10^{16} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 74° 69° 122° P-axis:-1.20 141° 17°
 NP2:194° 38° 37° T-axis: 1.05 25° 55°
 N-axis: 0.15 241° 30°
 V.R.: 79% ϵ :-0.12 N:22 COMP:38

2021/01/15 22:38:17.8
 SE OFF KII PENINSULA
 Hypo.:33°53.4'N 137°17.1'E 364km



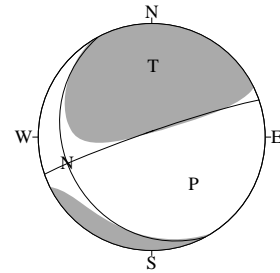
Cent.:33°49.8'N 137°16.7'E 360km $\Delta t = 1.3$
 Mo: $8.24 \times 10^{16} \text{N}\cdot\text{m}$ Mw:5.2 Mj:5.3 (sec)
 mrr: 3.34 mtt: 1.59 mff:-4.93
 mrt: 3.04 mrf:-6.32 mtf:-0.09 ($\times 10^{16} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 30° 22° 141° P-axis:-8.54 261° 30°
 NP2:157° 77° 73° T-axis: 7.94 46° 55°
 N-axis: 0.60 161° 17°
 V.R.: 86% ϵ :-0.07 N:46 COMP:94

2021/01/17 08:10:58.4
 TAIWAN REGION
 Hypo.:22°33.8'N 121°23.0'E 26km



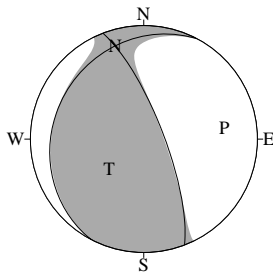
Cent.:22°23.8'N 121°22.4'E 26km $\Delta t = 1.4$
 Mo: $6.07 \times 10^{16} \text{N}\cdot\text{m}$ Mw:5.1 Mj:5.0 (sec)
 mrr: 2.71 mtt: 2.01 mff:-4.72
 mrt:-3.35 mrf:-2.21 mtf:-2.08 ($\times 10^{16} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1:340° 40° 27° P-axis:-6.41 292° 20°
 NP2:228° 73° 126° T-axis: 5.73 178° 49°
 N-axis: 0.68 36° 35°
 V.R.: 80% ϵ :-0.11 N:4 COMP:6

2021/01/23 14:39:17.6
 HIDAKA REGION
 Hypo.:42°20.8'N 142°43.6'E 111km



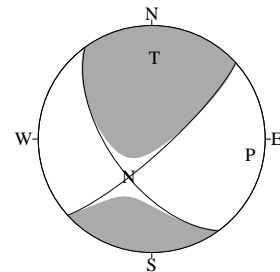
Cent.:42°19.9'N 142°43.7'E 111km $\Delta t = 0.5$
 Mo: $1.09 \times 10^{16} \text{N}\cdot\text{m}$ Mw:4.6 Mj:4.6 (sec)
 mrr:-0.10 mtt: 0.44 mff:-0.34
 mrt: 0.95 mrf: 0.28 mtf:-0.24 ($\times 10^{16} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1:151° 23° -10° P-axis:-1.02 138° 44°
 NP2:251° 86° -113° T-axis: 1.16 1° 37°
 N-axis:-0.14 253° 23°
 V.R.: 77% ϵ : 0.12 N:23 COMP:38

2021/01/25 03:24: 5.1
 SE OFF TOKACHI
 Hypo.:42° 6.8'N 144°52.2'E 11km



Cent.:42° 2.8'N 144°53.1'E 10km $\Delta t = 0.9$
 Mo: $2.37 \times 10^{16} \text{N}\cdot\text{m}$ Mw:4.8 Mj:5.1 (sec)
 mrr: 1.04 mtt: 0.38 mff:-1.42
 mrt:-0.82 mrf: 1.83 mtf:-0.04 ($\times 10^{16} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1:339° 76° 74° P-axis:-2.44 82° 29°
 NP2:208° 21° 137° T-axis: 2.30 229° 57°
 N-axis: 0.13 343° 15°
 V.R.: 76% ϵ :-0.06 N:16 COMP:37

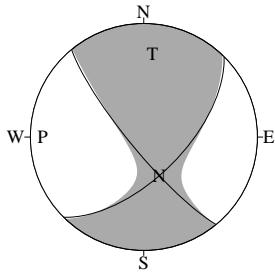
2021/01/25 16:25:38.6
 NEAR ISHIGAKIJIMA ISLAND
 Hypo.:23°26.7'N 123°37.6'E 50km



Cent.:23°30.4'N 123°37.3'E 28km $\Delta t = 3.4$
 Mo: $8.62 \times 10^{16} \text{N}\cdot\text{m}$ Mw:5.2 Mj:5.4 (sec)
 mrr: 1.25 mtt: 6.48 mff:-7.73
 mrt: 4.30 mrf: 1.60 mtf:-1.39 ($\times 10^{16} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 48° 80° 149° P-axis:-8.34 99° 13°
 NP2:144° 60° 12° T-axis: 8.91 2° 29°
 N-axis:-0.57 211° 58°
 V.R.: 89% ϵ : 0.06 N:8 COMP:16

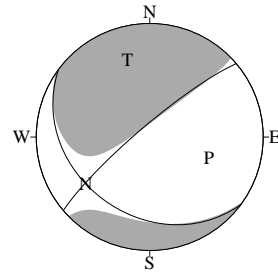
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2021/01/25 18:05:57.7
 NEAR ISHIGAKIJIMA ISLAND
 Hypo.:23°29.0'N 123°38.2'E 52km



Cent.:23°25.1'N 123°38.2'E 19km $\Delta t = 1.0$
 Mo: 2.90×10^{16} N·m Mw:4.9 Mj:5.1 (sec)
 mrr: 0.62 mtt: 2.23 mff:-2.85
 mrt: 1.03 mrf:-0.78 mtf:-0.21 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 45° 62° 169° P-axis:-3.02 270° 12°
 NP2:140° 80° 29° T-axis: 2.79 6° 27°
 N-axis: 0.23 158° 60°
 V.R.: 87% ϵ :-0.08 N:5 COMP:11

2021/01/27 14:06:52.8
 ISHIKARI DEPRESSION
 Hypo.:42°42.6'N 142° 1.2'E 128km



Cent.:42°40.8'N 142° 1.2'E 115km $\Delta t = 2.9$
 Mo: 1.00×10^{17} N·m Mw:5.3 Mj:5.4 (sec)
 mrr:-0.24 mtt: 0.68 mff:-0.45
 mrt: 0.65 mrf: 0.55 mtf: 0.10 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:126° 32° -15° P-axis:-1.00 109° 44°
 NP2:230° 82° -121° T-axis: 1.10 344° 30°
 N-axis:-0.10 234° 31°
 V.R.: 79% ϵ : 0.11 N:26 COMP:46

EQUAL AREA PROJECTON, LOWER HEMISPHERE.