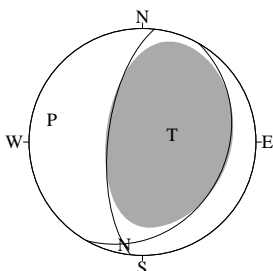


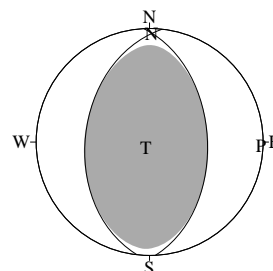
CMT SOLUTIONS FOR EARTHQUAKES IN SEPTEMBER, 2021

2021/09/03 19:14:22.9
SOUTHERN SEA OF OKHOTSK
Hypo.:48°58.8'N 147°38.4'E 628km



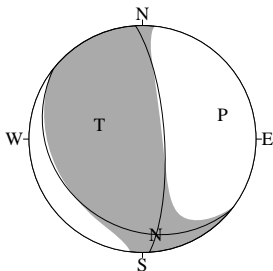
Cent.:49° 6.1'N 147°33.6'E 601km $\Delta t = 6.1$
Mo: 6.10×10^{17} N·m Mw:5.8 Mj:5.9 (sec)
mrr: 4.93 mtt:-0.95 mff:-3.98
mrt: 0.24 mrf:-3.90 mtf:-1.26 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 30° 27° 111° P-axis:-5.70 284° 19°
NP2:186° 65° 80° T-axis: 6.50 76° 68°
N-axis:-0.80 190° 9°
V.R.: 80% ϵ : 0.12 N:31 COMP:63

2021/09/06 23:00:26.2
TAIWAN REGION
Hypo.:23°58.1'N 122°11.7'E 75km



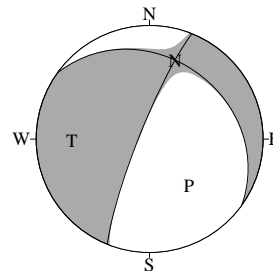
Cent.:23°46.3'N 122°12.1'E 38km $\Delta t = 7.0$
Mo: 8.49×10^{16} N·m Mw:5.2 Mj:5.2 (sec)
mrr: 8.56 mtt:-0.28 mff:-8.28
mrt:-0.70 mrf: 0.75 mtf:-0.24 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:357° 48° 84° P-axis:-8.32 92° 2°
NP2:186° 43° 97° T-axis: 8.65 210° 85°
N-axis:-0.33 1° 5°
V.R.: 64% ϵ : 0.04 N:12 COMP:27

2021/09/09 13:11:49.9
NEAR TORISHIMA IS
Hypo.:29°24.7'N 142°21.3'E 40km



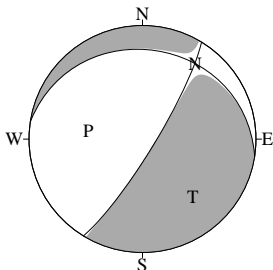
Cent.:29°25.4'N 142°20.2'E 17km $\Delta t = 3.7$
Mo: 1.50×10^{17} N·m Mw:5.4 Mj:5.6 (sec)
mrr: 0.68 mtt: 0.12 mff:-0.81
mrt:-0.04 mrf: 1.24 mtf: 0.51 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:357° 74° 107° P-axis:-1.60 73° 27°
NP2:128° 23° 44° T-axis: 1.40 289° 57°
N-axis: 0.20 172° 16°
V.R.: 79% ϵ :-0.13 N:12 COMP:24

2021/09/12 11:17: 4.4
BUNGO CHANNEL
Hypo.:33° 7.3'N 132° 4.0'E 45km



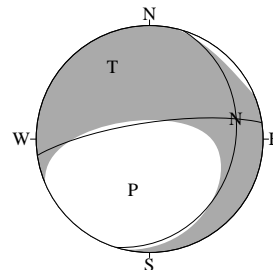
Cent.:33° 7.3'N 132° 4.0'E 45km $\Delta t = 0.3$
Mo: 2.40×10^{15} N·m Mw:4.2 Mj:4.2 (sec)
mrr:-0.56 mtt:-0.65 mff: 1.21
mrt: 0.94 mrf: 1.83 mtf:-0.64 ($\times 10^{15}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1:202° 83° -62° P-axis:-2.43 140° 45°
NP2:306° 29°-164° T-axis: 2.36 269° 32°
N-axis: 0.07 18° 28°
V.R.: 72% ϵ :-0.03 N:10 COMP:18

2021/09/12 11:32:24.4
SOUTHERN SEA OF OKHOTSK
Hypo.:46°31.1'N 147°15.0'E 399km



Cent.:46°44.4'N 147°13.1'E 396km $\Delta t = 2.3$
Mo: 1.10×10^{17} N·m Mw:5.3 Mj:5.2 (sec)
mrr:-0.32 mtt: 0.43 mff:-0.11
mrt:-0.49 mrf:-0.90 mtf: 0.34 ($\times 10^{17}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 32° 81°-110° P-axis:-1.10 279° 50°
NP2:279° 22° -25° T-axis: 1.20 139° 33°
N-axis: 0.00 35° 20°
V.R.: 80% ϵ : 0.02 N:11 COMP:16

2021/09/12 14:32: 1.8
NEAR TORISHIMA IS
Hypo.:29°58.2'N 139°27.2'E 454km

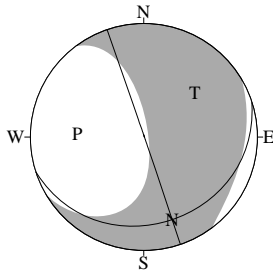


Cent.:30° 3.0'N 139°24.0'E 463km $\Delta t = 0.7$
Mo: 3.71×10^{16} N·m Mw:5.0 Mj:5.1 (sec)
mrr:-1.60 mtt: 0.58 mff: 1.02
mrt: 3.24 mrf:-0.27 mtf: 1.33 ($\times 10^{16}$ N·m)
STR DIP SLIP MOM AZM PLG
NP1: 17° 26°-152° P-axis:-4.13 198° 51°
NP2:262° 78° -67° T-axis: 3.30 333° 29°
N-axis: 0.83 77° 23°
V.R.: 85% ϵ :-0.20 N:25 COMP:46

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

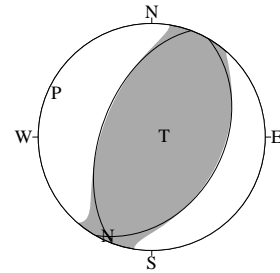
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
mrr,mtt,mff,mrt,mrf,mtf: Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
MOM,AZM,PLG: Moment tensor component, azimuth and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

2021/09/14 07:46: 5.9
 FAR S OFF TOKAI DISTRICT
 Hypo.:32°27.6'N 137°59.7'E 385km



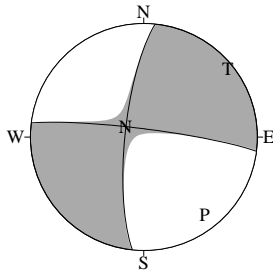
Cent.:32°29.5'N 137°59.5'E 381km $\Delta t = 2.0$
 Mo: 7.30×10^{17} N·m Mw:5.8 Mj:6.0 (sec)
 mrr:-0.80 mtt: 3.51 mff:-2.71
 mrt: 0.69 mrf:-6.80 mtf:-1.31 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 72° 24° -179° P-axis:-8.60 273° 41°
 NP2:341° 90° -66° T-axis: 5.90 49° 40°
 N-axis: 2.70 161° 24°
 V.R.: 79% ϵ :-0.32 N:32 COMP:67

2021/09/16 18:42:30.2
 NOTO PENINSULA REGION
 Hypo.:37°30.3'N 137°18.0'E 13km



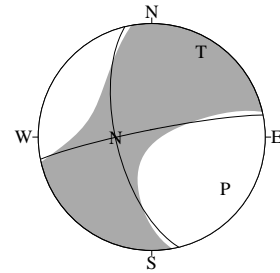
Cent.:37°32.7'N 137°17.9'E 13km $\Delta t = 3.5$
 Mo: 3.32×10^{16} N·m Mw:4.9 Mj:5.1 (sec)
 mrr: 3.04 mtt:-0.37 mff:-2.67
 mrt:-0.17 mrf:-0.94 mtf:-1.37 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 30° 37° 98° P-axis:-3.44 295° 8°
 NP2:200° 53° 84° T-axis: 3.19 85° 81°
 N-axis: 0.25 204° 5°
 V.R.: 87% ϵ :-0.07 N:42 COMP:95

2021/09/19 17:18:30.4
 HIDA MOUNTAINS REGION
 Hypo.:36°20.7'N 137°37.4'E 0km



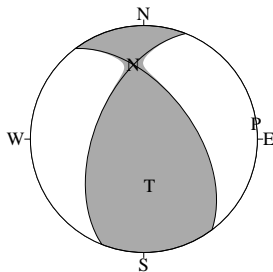
Cent.:36°20.4'N 137°37.4'E 10km $\Delta t = 4.8$
 Mo: 6.30×10^{16} N·m Mw:5.1 Mj:5.3 (sec)
 mrr:-0.12 mtt:-1.31 mff: 1.42
 mrt: 1.55 mrf: 0.51 mtf:-5.93 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:186° 77° -6° P-axis:-6.40 142° 14°
 NP2:277° 84° -166° T-axis: 6.20 51° 5°
 N-axis: 0.21 300° 75°
 V.R.: 77% ϵ :-0.03 N:15 COMP:35

2021/09/19 19:04:17.6
 HIDA MOUNTAINS REGION
 Hypo.:36°17.2'N 137°37.9'E 4km



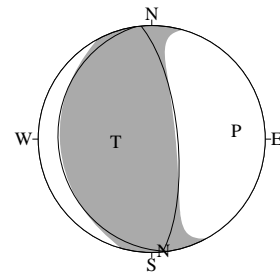
Cent.:36°24.1'N 137°37.9'E 13km $\Delta t = 0.9$
 Mo: 1.09×10^{16} N·m Mw:4.6 Mj:4.7 (sec)
 mrr: 0.08 mtt: 0.34 mff:-0.42
 mrt: 0.44 mrf: 0.32 mtf:-0.89 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:259° 85° -154° P-axis:-1.21 125° 22°
 NP2:166° 64° -6° T-axis: 0.98 30° 14°
 N-axis: 0.24 269° 64°
 V.R.: 73% ϵ :-0.20 N:27 COMP:54

2021/09/21 05:25:27.6
 KURILE ISLANDS REGION
 Hypo.:45°40.2'N 152°33.6'E 30km



Cent.:45°39.7'N 152°31.9'E 37km $\Delta t = 8.3$
 Mo: 2.38×10^{18} N·m Mw:6.2 Mj:6.6 (sec)
 mrr: 1.63 mtt: 0.71 mff:-2.34
 mrt:-1.08 mrf:-0.14 mtf: 0.42 ($\times 10^{18}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:323° 54° 46° P-axis:-2.39 82° 0°
 NP2:202° 54° 134° T-axis: 2.37 173° 56°
 N-axis: 0.02 352° 34°
 V.R.: 85% ϵ :-0.01 N:14 COMP:36

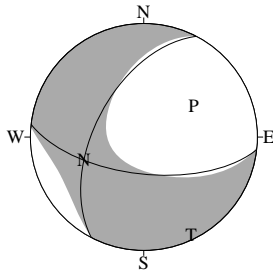
2021/09/21 19:19:54.3
 NEAR TORISHIMA IS
 Hypo.:29°42.3'N 142°47.0'E 44km



Cent.:29°40.4'N 142°45.7'E 10km $\Delta t = 5.7$
 Mo: 9.46×10^{16} N·m Mw:5.3 Mj:5.8 (sec)
 mrr: 5.20 mtt: 0.97 mff:-6.17
 mrt:-0.68 mrf: 7.49 mtf: 0.83 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:355° 71° 91° P-axis:-9.99 84° 26°
 NP2:172° 19° 87° T-axis: 8.92 266° 64°
 N-axis: 1.06 174° 1°
 V.R.: 83% ϵ :-0.11 N:15 COMP:29

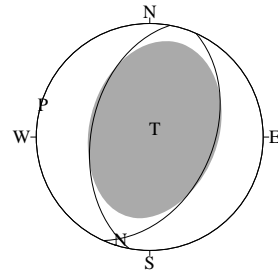
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2021/09/26 07:21:19.9
 TAIWAN REGION
 Hypo.:24°19.8'N 121°43.6'E 39km



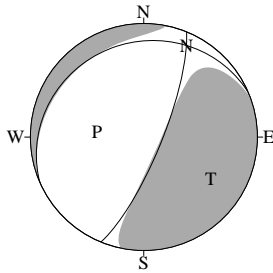
Cent.:24°17.5'N 121°43.8'E 41km $\Delta t = 1.9$
 Mo: 3.28×10^{16} N·m Mw:4.9 Mj:5.0 (sec)
 mrr:-1.59 mtt: 1.94 mff:-0.35
 mrt:-1.31 mrf: 1.69 mtf: 1.81 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 96° 63° -40° P-axis:-3.59 58° 47°
 NP2:207° 55° -147° T-axis: 2.97 154° 5°
 N-axis: 0.63 249° 43°
 V.R.: 81% ϵ : -0.17 N:8 COMP:12

2021/09/27 20:26:38.3
 E OFF IBARAKI PREF
 Hypo.:36°38.8'N 141° 6.3'E 50km



Cent.:36°37.2'N 141° 6.6'E 51km $\Delta t = 0.7$
 Mo: 1.42×10^{16} N·m Mw:4.7 Mj:4.8 (sec)
 mrr: 1.51 mtt:-0.30 mff:-1.20
 mrt: 0.18 mrf:-0.14 mtf:-0.31 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 24° 44° 100° P-axis:-1.30 287° 2°
 NP2:190° 47° 81° T-axis: 1.53 30° 83°
 N-axis:-0.23 196° 7°
 V.R.: 77% ϵ : 0.15 N:15 COMP:21

2021/09/29 17:37: 4.5
 SEA OF JAPAN
 Hypo.:38°47.8'N 135°39.0'E 394km



Cent.:38°49.3'N 135°38.1'E 380km $\Delta t = 4.6$
 Mo: 2.15×10^{18} N·m Mw:6.2 Mj:6.1 (sec)
 mrr:-0.82 mtt: 0.29 mff: 0.53
 mrt:-0.68 mrf:-1.76 mtf: 0.76 ($\times 10^{18}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 22° 77° -102° P-axis:-2.04 276° 56°
 NP2:246° 18° -47° T-axis: 2.26 122° 31°
 N-axis:-0.22 25° 12°
 V.R.: 89% ϵ : 0.10 N:14 COMP:30

EQUAL AREA PROJECTON, LOWER HEMISPHERE.