

## Addendum I

From data-month September 2002 onwards, the printed ISC Bulletins have been generated directly from the ISC Relational Database.

From data-month October 2002, a new location program ISCloc has been used in operations. Also, the IASPEI standard seismic phase list has now been adopted by the ISC, please see the last pages of this Bulletin for details.

From data-month January 2003 onwards, an updated regionalisation scheme has been adopted (Young, J.B., B.W. Presgrave, H. Aichele, D.A. Wiens, E.A. Flinn The Flinn-Engdahl Regionalisation Scheme: the 1995 Revision, Physics of the Earth and Planetary Interiors 96 (1996), 223-297)

These developments have prompted the need to review and revise the format of the Bulletin.

The following example illustrates the changes :-

## September 2002

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NEIC 01 18:45:41.7±1.7,21.70S×179.55W,h600km,mb4.6/6,
Error ellipse: s-maj=75.5km s-min=25.7km az=151.0
IDC 01 18:45:46.3±2.6,21.76S×179.70W,h627km,37km,mb3.5/4,
mb1 3.7/4,mb1mx3.2/14,Error ellipse: s-maj=83.2km
s-min=20.6km az=159.0
ISC 01 18:45:41.7-1.4,22.1S:02×179.3W:0.2,h600km,n22,
c155/24,mb4.4/9,1C, South of Fiji Islands
Code Station Name Δ° AZ° Phase ID ISC Time Res
h m s ISC
HBZ Hicks Bay 15.60 187 eP Op 18 48 53.1 -2.1
URZ Urewera 16.41 190 P P 18 49 01.5 -1.1
MRZ Mangatoinoka R 19.02 192 eP P 18 49 26.7 +0.3
DIW D'Urville Isla 19.52 195 eP P 18 49 27.3 -3.6
CAW Cannon Point 19.55 193 eP P 18 49 31.7 +0.5
OTW Orongorongo Tu 19.73 193 eP P 18 49 33.0 +0.2
MCW Moikau 19.82 192 eP P 18 49 35.5 +1.9
THZ Tophouse 20.68 197 eP P 18 49 42.0 +0.5
KHZ Kahutara 21.14 195 P P 18 49 46.2 +0.8
ARMA Armidale 27.28 246 eP P 18 50 42.4 +2.3
4.9nm,0.5s
CTA Charters Tower 32.13 267 P P 18 51 22.3 +0.5
13nm,0.5s
STKA Stephens Creek 36.00 246 eP P 18 51 55.3 +1.5
3.1nm,0.4s
ASAR Alice Springs 42.97 259 P P 18 52 50.1 +0.4
9.8nm,0.5s,baz=92,slow=8.2,SNR=47
ASAR 1.0nm,0.8s,baz=95,slow=15,SNR=5.7
ASPA Alice Springs 42.97 259 eP P 18 52 50.1 +0.4
WRA Warramunga Arr 43.18 264 P P 18 52 51.0 -0.4
1.8nm,0.3s,baz=96,slow=7.8,SNR=93
WRA 0.3nm,0.9s,baz=99,slow=14,SNR=3.0
KAKA Kakadu 46.79 273 eP P 18 53 18.2 -0.7
14nm,0.4s
FITZ Fitzroy Crossi 51.61 264 eP P 18 53 54.3 +0.1
12nm,0.3s
MBWA Marble Bar 56.31 259 eP P 18 54 27.1 -0.1
11nm,0.6s
CMAR Chiang Mai Arr 89.48 290 P P 18 57 38.1 +1.7
1.3nm,0.8s,baz=135,slow=3.1,SNR=8.1
ARCES ARCESS Array B 130.23 349 PKKP PKIKP 19 03 43.7 -1.2
0.7nm,0.6s,baz=282,slow=4.2,SNR=3.5
FINES FINES Array B 136.91 342 PKKP PKIKP 19 03 57.3 -1.3
3.7nm,1.1s,baz=158,slow=3.2,SNR=5.4
MLR Muntele Rosu 148.83 325 PKKPbc PKIKP 19 04 22.7 -1.0
0.2nm,0.7s,baz=1.2,slow=23,SNR=2.3

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## Epicentral Estimates

Origin times - The superscripts have been removed and a simpler format adopted.

Magnitudes - All magnitudes that were reported to the ISC are now shown. Only two per agency were allowed in the past.

Error Ellipses - The keywords have been shortened.

## Observational Data

The station code, station name, epicentral distance and azimuth are all shown in **bold** for Initial phases. For Secondary phases, only the station code (in normal font) is repeated.

Phase ID's - The Operator's identification is shown in normal font. The Operator's residual is no longer printed. When the arrival time of an initial or secondary phase has contributed to the location - the ISC's identification, the arrival time and the ISC's travel-time residual are all shown in **bold**.

Phase Parameters - The following parameters are included on supplementary lines where appropriate :-

Component, amplitude and period (or logA/T) - reported by the Operator.

Station magnitude estimate - computed by the ISC.

Slowness, Back-Azimuth, Signal-to-Noise ratio - measured by the Operator.

## Addendum II

From data-month January 2006 the ISC hypocentres are computed using the AK135 earth velocity model ( Kennett, B.L.N. Engdahl, E.R. & Buland R., 1995. Constraints on seismic velocities in the Earth from travel times, Geophys J Int, 122, 108-124; B.L.N. Kennett, 2005. Seismological tables: ak135. Research School of Earth Sciences, the Australian National University, Canberra ) and then reviewed by the ISC seismologists. The ISC still produces the hypocentre solutions based on Jeffreys-Bullen travel time tables (agency code ISCJB), yet these solutions are no longer reviewed.

The ISC is planning to re-compute the entire ISC dataset using AK135 once new location procedures are designed, tested, discussed and approved by the ISC Governing Council. Until that time the automatic ISCJB locations will continue to be produced alongside the AK135 solutions to observe the long-time continuity of the ISC Bulletin.

## Addendum III

From data month January 2009 the ISC hypocentres are computed using the new ISC location algorithm and all reported IASPEI seismic phases, for which ak135 predictions are available. This algorithm is described in: Bondár, I. and D.A. Storchak (2011), Improved location procedures at the International Seismological Centre, Geophys. J. Int., 186, 1220-1244, doi:10.1111/j.1365-246X.2011.05107.x

The alternative locations based on JB-tables are still produced with the original location algorithm for consistency with the past data. It is still the plan that by the middle of calendar year 2014 all ISC locations (1960-2008) are going to be re-computed with the new locatin algorithm and ak135 as part of the ISC Bulletin Re-Build project, sponsored by the US NSF and several agencies from Japan, China and India.





NEIC 01 00:02:51.4±1.5, 18° 1'8S, 0°09'178.7W, 0.2, h633km, 8km, mb4.1/13, Error ellipse: s-maj=23.9km s-min=12.0km az=102.0

IDC 01 00:02:52.9±1.5, 18° 14'S; 178° 93'W, h640km, 16km, mb3.1/6, mbtmp4.1/7, Error ellipse: s-maj=23.2km s-min=17.8km az=168.0

ISC 01 00:02:52.6±0.6, 18.0S; 0.1x178.9W: 0.1, h650km, n35, o#103/40, mb4.0/12, Fiji Islands region

Code Station Name Δ° AZ° Phase ID Time Res

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Rows include stations like MSVF Nonsavu, ARMA Armadale, WBO Warramunga Arr, WRA Warramunga Arr, etc.

IDC 01 00:17:07.8±1.1, 17° 89'S; 168° 65'E, h0km, mb3.8/8, mbtmp3.8/10, ML4.3/2, MS3.4/5, Error ellipse: s-maj=23.8km s-min=18.2km az=150.0

NEIC 01 00:17:13.5±1.3, 18° 16'S; 0°05:168° 06'E; 0.1, h28km, 5km, mb4.2/9, Error ellipse: s-maj=20.0km s-min=7.1km az=85.0

ISC 01 00:17:13.9±0.6, 18° 16'S; 0°05:168° 06'E; 0.09, h35km, n38, o#90/36, mb3.9/11, MS3.2/3, Vanuatu Islands

Code Station Name Δ° AZ° Phase ID Time Res

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Rows include stations like SANVU Saraoutou, MARNC Mare, Loyalty, DZM Mont Dzumak, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Rows include stations like MAW Mawson, ARCES ARCES Array B, ARCES ARCES Array B, etc.

IDC 01 00:21:36.6±0.6, 43° 01'N; 1° 56'W, h0km, mb4.0/14, mbtmp4.0/24, ML3.9/9, MS3.2/17, Error ellipse: s-maj=11.9km s-min=6.6km az=117.0

MED\_RC 01 00:21:37.0, 42° 82'N; 1° 51'W, h12km, Mw4.3, Moment Solution. Moment tensor: Scale 10^15 Nm;

Mn: -1.97±.31; Mo: 0.42±.21; M22: 0.0±.16; M33: -2.42±.50; Mw: -1.05±.11; Mw: 0.31±.24; Fault plane solution: Ms3, 18000°/1015° NP1; Ms2, 322°/0000°; Ms4, 0°/0000°;

λ: -104.00000°; Principal axes: P 3, 1200, P1g25.0000°; Azm205.0000°; O 0, 1300, Plg13.0000°; Azm109.0000°; P -3, 2500, P1g22.0000°; Azm353.0000°;

MOS 01 00:21:37.2±1.5, 43° 00'N; 1° 57'W, h22km, mb4.6/18 Error ellipse: s-maj=8.7km s-min=3.7km az=50.5

NEIC 01 00:21:38.0±1.0, 42° 86'N; 0°06:1° 57'W; 0.07, h10km, 1km, mb4.4/26, Error ellipse: s-maj=10.8km s-min=9.0km az=171.0

GFZ 01 00:21:38.8±0.2, 43° N; 2° E, h10km, M4.3/67, mb4.4/67 MDD 01 00:21:38.4±0.1, 42° 83'N; 1° 48'W, h0km, mb\_Lg4.4/92, Error ellipse: s-maj=0.9km s-min=0.7km az=169.0

GFZ 01 00:21:38.7, 42° 81'N; 1° 47'W, h10km, Mw3.9/63, Moment Solution. Moment tensor: Scale 10^14 Nm;

Mn: -4.62; Mo: 5.17; Mw: 0.56; M22: 0.26; M33: -5.49; Mw: -6.38; Fault plane solution: Ms9, 75048°/1014° NP1; Ms8, 63500°/0; Ms7, 99653°/0; Ms6, 489575°/0; NP2:

P 9, 3231, Plg14.8165°; Azm37.6423°; N 0, 8049, Plg38.5134°; Azm139.7945°; P -10, 1280, Plg47.6884°; Azm290.7492°;

INMG 01 00:21:38.2±0.2, 42° 82'N; 1° 51'W, h0km, 2km, ML4.1 Error ellipse: s-maj=1.9km s-min=1.7km az=112.0

#DIST\_RANGE: REGIONAL #IPMA\_REGION: Pireneus

IGIL 01 00:21:39.2, 42° 84'N; 1° 48'W, h1km ECHS 01 00:21:39.2±0.1, 42° 87'N; 1° 47'W, h2km, ML4.7/32, Error ellipse: s-maj=1.4km s-min=1.0km az=122.0

ISC 01 00:21:37.8±0.8, 42° 88'N; 0°02:1° 54'W; 0.01, h12km, 4km, n509, o#25/27/15, mb4.3/31, MS3.2/11, 38C-41D, Pyrenees

Code Station Name Δ° AZ° Op ISC Time Res

Table with columns: Code, Station Name, Δ°, AZ°, Op, ISC, Time, Res. Rows include stations like EARA Aranguren, EORO Oroz-Betelu, SJFF Ste Jean, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Op ISC Time Res. Rows include stations like MTLF Montoliou, CORI Orieta, UCM Universidad Co, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Op ISC Time Res. Rows include stations like Les Rejaudoux, Saint Jean de La Jonquera, La Jonquera Calvac, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Op ISC Time Res. Rows include stations like Chera, Gruissan, Islas Cumbre, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Op ISC Time Res. Rows include stations like Sonseca Array, Sonseca Array, San Pablo Calabor, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Op ISC Time Res. Rows include stations like Jubbado, Salam, Saint Martin d, Saint Martin d, San Pablo, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Op ISC Time Res. Rows include stations like Chisgaves Biel, Esparrros, Font Roja, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Op ISC Time Res. Rows include stations like EPF Esparrros, ESAC San Caprasio, Lanestosa, etc.

1d 0h

2020 OCT

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Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like ELOB, PCAB, EZAR, ARBF, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like PCAS, PSARD, PESTR, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like PBDV, PBDV, PCP, etc.



1d 0h

2020 OCT

Table with columns: KK31, comp=Z,2.0nm,0.9s, pmax, pmax, 00 30 41.0+0.6, etc. Includes stations like KARATAY Array, KARATAY Array, KARATAY Array, KURCHATOV Array, etc.

Table with columns: PANCS, Alcaldia de, 1.35 322, P, Pn, 00 25 00.0-0.7, etc. Includes stations like Alcaldia de, Loma Larga, Loma Larga, Loma Larga, etc.

Table with columns: CMIG, comp=Z,4.4nm,0.3s, AML, AML, 00 27 16.6+2.4, etc. Includes stations like Tiapa, Hebbrownville, Santo Domingo, etc.

CATAC 01 00:24:36.3:0.4, 12°N2'x'8'3W1', h18km,3km, M4.8/43, MLv4.8/43, Error ellipse: s-maj=4.4km s-min=1.6km az=31.4, Moment Tensor Solution. Moment tensor: Scale 10^19Nm; Mrr:1.83; Mth:-1.07; Mtr:0.76; Mtt:0.80; Mtt:0.99; Mw:0.35; Fault plane solution: Mz2:0.630x-1015 NP1: ds=110.477400; s4:35.350168; s6:1.64.892688; NP2: ds:329.27637; s42:62380; s1:120.60810; Principal axes: T 2.1593, Plg68.8158, Azm324.3500; N -0.2007, Plg20.1693, Azm125.7528; P -1.9586, Plg6.2103, Azm218.0436; confirmed

Table with columns: America, Station Name, A, AZZ, Op, Phase ID, ISC, Time, Res, etc. Includes stations like INTIP, JUCU, ALJI, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Rows include PSZ Piszkesteto, KSRS Korea Array, MKAR Makanchi Array, etc.

LDG 01 00:25:30.0-0.6, 42.84N, 1.54W, h2km, Md1.91, M12.7/1, Error ellipse: s-maj=9.1km s-min=6.9km az=59.0

MDD 01 00:25:30.0-0.2, 42.84N, 1.51W, h1km, mb\_Lg2/15, Error ellipse: s-maj=2.6km s-min=1.6km az=5.0

ISC 01 00:25:30.2-1.2, 42.83N, 0.003-1.50W, 0.03, h2km, 13km, n8, 0.050/17, Pyrenees

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Rows include EARA Aranguren, EARA EARA, SJPF Ste Jean, etc.

GFZ 01 00:31:24.2-1.6, 33.1N, 12.11W, 1.0, h10km, M4.6/9, mb4.5/9

GFZ 01 00:31:24.2, 32.52N, 115.93W, h10km, Mw5.0/37, Moment Tensor Solution. Moment tensor: Scale 1016Nm

NEIC 01 00:31:26.3, 1.9, 33.08N, 0.02-115.62W, 0.03, h22km, 6km, mb4.5/20, ML4.9/50, Mw4.9/182, Mww5.0/70

NEIC 01 00:31:26.3, 1.9, 33.08N, 0.02-115.62W, 0.03, h22km, 6km, mb4.5/20, ML4.9/50, Mw4.9/182, Mww5.0/70

NEIC 01 00:31:26.6, 33.07N, 115.61W, h8km, Mw4.9/7(PAS), Error ellipse: s-maj=4.1km s-min=3.2km

NEIC 01 00:31:27.3, 3.3, 33.05N, 0.009-115.59W, 0.01, h12km, 4km, Error ellipse: s-maj=1.6km s-min=1.3km

NEIC 01 00:31:28.4, 0.8, 33.13N, 115.57W, h0km, mb4.1/9, mbmp4.0/16, ML3.8/7, MS4.5/27, Error ellipse: s-maj=13.1km s-min=8.3km az=49.0

NEIC 01 00:31:29.4, 0.2, 33.04N, 0.01-115.60W, 0.01, h12km, Mw5.0/120, Moment Tensor Solution. s57, c76; s120, c192; Duration: 0

NEIC 01 00:31:29.7, 0.7, 33.13N, 115.57W, h0km, mb4.1/9, mbmp4.0/16, ML3.8/7, MS4.5/27, Error ellipse: s-maj=13.1km s-min=8.3km az=49.0

NEIC 01 00:31:33.7, 33.07N, 115.61W, h12km, Moment Tensor Solution. Duration: 156

NEIC 01 00:31:33.7, 33.07N, 115.61W, h12km, Moment Tensor Solution. Duration: 156

NEIC 01 00:31:33.7, 33.07N, 115.61W, h12km, Moment Tensor Solution. Duration: 156

NEIC 01 00:31:33.7, 33.07N, 115.61W, h12km, Moment Tensor Solution. Duration: 156

NEIC 01 00:31:33.7, 33.07N, 115.61W, h12km, Moment Tensor Solution. Duration: 156

NEIC 01 00:31:33.7, 33.07N, 115.61W, h12km, Moment Tensor Solution. Duration: 156

NEIC 01 00:31:33.7, 33.07N, 115.61W, h12km, Moment Tensor Solution. Duration: 156

NEIC 01 00:31:33.7, 33.07N, 115.61W, h12km, Moment Tensor Solution. Duration: 156

NEIC 01 00:31:33.7, 33.07N, 115.61W, h12km, Moment Tensor Solution. Duration: 156

NEIC 01 00:31:33.7, 33.07N, 115.61W, h12km, Moment Tensor Solution. Duration: 156

NEIC 01 00:31:33.7, 33.07N, 115.61W, h12km, Moment Tensor Solution. Duration: 156

NEIC 01 00:31:33.7, 33.07N, 115.61W, h12km, Moment Tensor Solution. Duration: 156

NEIC 01 00:31:33.7, 33.07N, 115.61W, h12km, Moment Tensor Solution. Duration: 156

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NEIC 01 00:31:33.7, 33.07N, 115.61W, h12km, Moment Tensor Solution. Duration: 156

NEIC 01 00:31:33.7, 33.07N, 115.61W, h12km, Moment Tensor Solution. Duration: 156

NEIC 01 00:31:33.7, 33.07N, 115.61W, h12km, Moment Tensor Solution. Duration: 156

NEIC 01 00:31:33.7, 33.07N, 115.61W, h12km, Moment Tensor Solution. Duration: 156

NEIC 01 00:31:33.7, 33.07N, 115.61W, h12km, Moment Tensor Solution. Duration: 156

NEIC 01 00:31:33.7, 33.07N, 115.61W, h12km, Moment Tensor Solution. Duration: 156

NEIC 01 00:31:33.7, 33.07N, 115.61W, h12km, Moment Tensor Solution. Duration: 156

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Rows include GUVIX Guadalupe Vict, GUVIX GUVIX, I57US PINON FLAT INF, etc.

GUVIX Guadalupe Vict 0.87 147 Pp G 00 31 42.6 -2.0

GUVIX GUVIX 0.87 147 Pp G 00 31 56.2 +0.2

I57US PINON FLAT INF 0.89 310 Pg Sg 00 31 45.2 +0.2

I57US Pin Flat 0.89 310 Pg Sg 00 31 45.2 +0.2

I57US Pinon Flats 0.90 310 Pg Sg 00 31 45.2 +0.2

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Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Rows include PDAR comp=2.0,3nm,0.3s,baz=191,slow=32,SNR=2.4

PDAR comp=2.0,3nm,0.3s,baz=191,slow=32,SNR=2.4

PDAR comp=2.3um,20.6s,baz=180,slow=40

PDAR comp=2.14nm,1.0s

PDAR comp=312,slow=17

PDAR comp=2.1,0nm,0.3s,baz=268,slow=29,SNR=6.4

PDAR comp=2.4um,20.9s,baz=288,slow=38

PDAR comp=2.7,2nm,0.6s

PDAR comp=2.5nm,1.1s

PDAR comp=2.4,7nm,0.9s

PDAR comp=2.0,2nm,0.3s,baz=42,slow=20,SNR=1.8

PDAR comp=2.4,7nm,0.9s

PDAR comp=2.16nm,1.0s

PDAR comp=2.24nm,1.3s

PDAR comp=2.4nm,1.2s

PDAR comp=2.4nm,1.2s

PDAR comp=2.4nm,1.2s

PDAR comp=2.4nm,1.2s

PDAR comp=2.4nm,1.2s

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PDAR comp=2.4nm,1.2s

PDAR comp=2.4nm,1.2s

PDAR comp=2.4nm,1.2s

PDAR comp=2.4nm,1.2s

1d 0h

2020 OCT

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FINESS Array B, ZALV Zalesovo Beam, HHC comp=E,100nm,21.1s, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WEMD Westmorland, C, OBB Obsidian Butte, IMPER Imperial, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like THIG THIG, PATR El Naranjo, CHUJ Union Juarez, etc.

PAS 01 00:38:37.15, 3.330337N, 0.007:115:59W, 0.01, h3km, 2km, Error ellipse: s-maj=1.3km s-min=1.1km az=97.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OBB Obsidian Butte, IMPER Imperial, ERRC Elmore Ranch, etc.

PAS 01 00:33:48.6, 1.1, 33.047N, 0.006:115:59W, 0.006, h6km, 1km, Error ellipse: s-maj=1.1km s-min=0.4km az=223.0

NEIC 01 00:33:48.2, 1.4, 33.037N, 0.004:115:613W, 0.009, h5km, 1km, ML3.8/3.4, ML3.9/1.3(PAS), Error ellipse: s-maj=2.0km s-min=1.2km az=88.0 Southern California

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WEMD Westmorland, C, OBB Obsidian Butte, IMPER Imperial, SWSC Sam W. Stewart, etc.

PAS 01 00:36:30.5, 1.3, 33.033N, 0.007:115:587W, 0.010, h4km, 2km, Error ellipse: s-maj=1.3km s-min=0.9km az=122.0

NEIC 01 00:36:30.4, 1.2, 33.038N, 0.007:115:617W, 0.009, h5km, 1km, ML3.2/3.2, ML3.5/8(PAS), Error ellipse: s-maj=2.0km s-min=1.4km az=61.0 Southern California

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WEMD Westmorland, C, OBB Obsidian Butte, IMPER Imperial, SWSC Sam W. Stewart, etc.

PAS 01 00:38:37.15, 3.330337N, 0.008:115:59W, 0.01, h3km, 2km, Error ellipse: s-maj=1.3km s-min=1.1km az=97.0

NEIC 01 00:38:37.0, 1.1, 33.067N, 0.008:115:611W, 0.01, h5km, 1km, ML3.0/4.0, ML2.7/8(PAS), Error ellipse: s-maj=2.3km s-min=1.4km az=87.0 Southern California

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OBB Obsidian Butte, IMPER Imperial, ERRC Elmore Ranch, SWSC Sam W. Stewart, WIS Wister, etc.

PAS 01 00:36:16.0, 1.3, 33.031N, 0.008:115:58W, 0.03, h4km, 2km, Error ellipse: s-maj=3.2km s-min=1.1km az=99.0

NEIC 01 00:36:16.2, 1.3, 33.019N, 0.007:115:62W, 0.01, h5km, 1km, ML2.8/1.6, ML2.9/9(PAS), Error ellipse: s-maj=2.3km s-min=1.6km az=121.0 Southern California

PAS 01 00:36:59.0, 1.4, 33.03N, 0.007:115:58W, 0.010, h4km, 1.3km, MD4.0, Presumed earthquake

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TSM Topico Hills, QMO Queen of Sheba, CLC China Lake, etc.

PAS 01 00:38:43.9, 2.5, 33.03N, 0.01:115:61W, 0.05, h2km, 2km, Error ellipse: s-maj=1.9km s-min=5.6km az=172.0

NEIC 01 00:38:42.8, 2.1, 33.09N, 0.007:115:65W, 0.06, h5km, 2km, ML2.7/6, ML3.3(PAS), Error ellipse: s-maj=13.5km s-min=6.7km az=210.0 Southern California

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WEMD Westmorland, C, WEMD Westmorland, C, ERRC Elmore Ranch, etc.





OB	Obsidian Butte	0.13	345	Pg	Sg	00 48 01.2 +1.3
OB	Obsidian Butte			Sg	Sg	00 48 03.6 +1.9
IM	Imperial	0.15	168	Pg	Sg	00 48 01.1 +0.9
IM	Imperial			Sg	Sg	00 48 04.5 +2.3
SW	Sam W. Stewart	0.20	240	Pg	Sg	00 48 01.7 +0.6
SW	Sam W. Stewart			Sg	Sg	00 48 04.7 +0.9
SUP	Superstition M	0.21	245	Pg	Sg	00 48 02.2 +0.7
SUP	Superstition M			Sg	Sg	00 48 05.2 +1.0
CK	Cook Ranch 2	0.22	209	Pg	Sg	00 48 02.6 +1.0
CK	Cook Ranch 2			Sg	Sg	00 48 06.9 +2.3
WIS	Wister	0.23	1	Pg	Sg	00 48 03.9 +1.1
WIS	Wister			Sg	Sg	00 48 04.4 +0.8
WESC	Westside Schoo	0.31	201	Pg	Sg	00 48 03.8 +0.5
WESC	Westside Schoo			Sg	Sg	00 48 08.5 +1.2
SLVP	Salvation Pass	0.31	52	Pg	Sg	00 48 03.8 +0.2
SLVP	Salvation Pass			Sg	Sg	00 48 08.2 +0.6
CR	Carrizo Plain	0.35	243	Pg	Sg	00 48 04.6 +0.6
CR	Carrizo Plain			Sg	Sg	00 48 09.8 +1.1
FR	Frink	0.36	355	Pg	Sg	00 48 04.6 +0.4
FR	Frink			Sg	Sg	00 48 09.8 +0.8
SALN	Salton City	0.40	306	Pg	Sg	00 48 05.6 +0.5
SALN	Salton City			Sg	Sg	00 48 08.2 -2.1
SGL	Mount Signal	0.41	195	Pg	Sg	00 48 05.4 +0.2
SGL	Mount Signal			Sg	Sg	00 48 11.4 +0.8
COA	Coachella	0.44	114	Pg	Sg	00 48 13.3 -1.1
YUH	Yuha Desert	0.48	215	Pg	Sg	00 48 06.8 +0.2
BRGC	Borrogo Mounta	0.50	285	Pg	Sg	00 48 07.5 +0.5
BRGC	Borrogo Mounta			Sg	Sg	00 48 14.4 +0.9
RUN	Ruthven	0.53	98	Pg	Sg	00 48 07.0 +0.1
RUN	Ruthven			Sg	Sg	00 48 14.7 +0.4
IKP	In-Ko-Pah, Jac	0.58	228	Pg	Sg	00 48 08.9 +0.3
IKP	In-Ko-Pah, Jac			Sg	Sg	00 48 16.9 +0.8
EMSC	East Mesa	0.60	120	Pg	Sg	00 48 09.3 +0.5
RMX	La Rumorosa	0.60	223	Pg	Sg	00 48 09.9 +1.5
BC3	Big Chuckawall	0.62	11	Pg	Sg	00 48 09.4 +0.2
HAY	Hayfield	0.66	354	Pg	Sg	00 48 10.3 +0.2
HAY	Hayfield			Sg	Sg	00 48 19.0 +0.3
PMD	Palm Desert	0.89	313	Pg	Sg	00 48 13.5 -0.8
PMD	Palm Desert			Sg	Sg	00 48 24.6 -1.3
MATG	Mataguay Scout	0.89	280	Pg	Sg	00 48 14.4 -0.3
XPFO	Pinon Flat	0.91	308	Pg	Sg	00 48 14.6 -0.3
XPFO	Pinon Flat			Sg	Sg	00 48 26.9 +0.2
PFO	Pinyon Flats O	0.92	308	Pg	Sg	00 48 14.1 -0.8
PFO	Pinyon Flats O			IAML	Pb	00 48 19.7
PFO	227nm, 1.2s			IAML	Pb	00 48 20.1
PFO	145nm, 1.1s			IAML	Pb	00 48 20.1
PFO	Pinyon Flats O	0.92	308	Pg	Pg	00 48 14.6 -0.3
BAR	Barrett	0.97	248	Pg	Pg	00 48 16.2 +0.2
ESJX	Sierra Juarez	1.08	196	Pg	Pg	00 48 16.1 -0.6
DUZA	Dulzura	1.09	246	Pg	Sg	00 48 17.5 -0.6
DUZA	Dulzura			Sg	Sg	00 48 31.6 -0.6
TJX	Tijuana	1.34	247	Pg	Pn	00 48 21.9 -0.8

ETSF	Esparros	1.25	98	Pg	Sb	00 50 50.3 -1.0
ETSF	Esparros			Sg	Sg	00 50 50.4 +0.7
ECHI	Chisagues Biel	1.25	98	Pg	Pn	00 50 51.7 +0.3
ECHI	Chisagues Biel			Sg	Sg	00 51 08.9 +0.4
ECHI	Chisagues Biel			Pb	Pb	00 51 12.2 +0.7
ESPA	Esparrros	1.35	82	Pg	Pb	00 50 53.3 +0.2
ESPA	Esparrros			Sg	Sg	00 51 11.6 +0.7
ESPA	Esparrros			Sg	Sg	00 51 12.8 +2.2
ESAC	San Caprasio	1.35	146	Pg	Pb	00 50 53.2 0.0
ESAC	San Caprasio			Sg	Sg	00 51 10.8 -0.1
ELAN	Lanestosa	1.48	286	Pn	Pb	00 50 56.1 +0.1
ELAN	Lanestosa			Sg	Sg	00 51 14.9 +0.8
ETOR	Torete	2.07	192	Pg	Pn	00 51 02.9 +0.3
ETOR	Torete			Pg	Pg	00 51 07.0 -0.2
ETOR	Torete			Sg	Sg	00 51 29.0 +0.4
ETOR	Torete			Sg	Sg	00 51 33.2 -0.9
ERTA	Horta de San J	2.33	144	Pn	Pn	00 51 36.3 -0.7
ERTA	Horta de San J			Sg	Sg	00 51 35.2 +0.3
ERTA	Horta de San J			Pb	Pb	00 51 46.5
EPOB	Poblet	2.42	127	Pn	Pn	00 51 07.4 -0.1
EPOB	Poblet			Sg	Sg	00 51 36.2 -1.1
EPOB	Poblet			Pb	Pb	00 51 52.0

PAS 01 00:50:49.0, 1.0, 33:038N, 0:008:115:58W, 0:02, h3km, 1km, Error ellipse: s-maj=2.0km s-min=1.2km az=79.0

NEIC 01 00:50:48.8, 1.2, 33:016N, 0:010:115:60W, 0:03, h5km, 1km, ML2, 8/16, ML2.9(PAS), Error ellipse: s-maj=4.9km s-min=2.1km az=270.0, Southern California

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC	h	m	s	ISC
WEMD	Westmorland, C	0.03	33	Op	ISC	00	50	50.0	+0.2
WEMD	Westmorland, C			Pg	Sg	00	50	54.1	+1.4
WIS	Wister	0.26	1	Pg	Sg	00	50	54.5	+0.6
CR	Carrizo Plain	0.34	248	Pg	Pb	00	50	56.3	-1.0
SALN	Salton City	0.42	309	Pg	Sg	00	50	57.5	+0.6
YUH	Yuha Desert	0.46	217	Pg	Pg	00	50	58.1	+0.5
BC3	Big Chuckawall	0.65	11	Pg	Pg	00	51	00.7	-0.6
PFO	Pinyon Flats O	0.93	310	Pg	Pb	00	51	07.2	-0.4
BAR	Barrett	0.96	250	Pg	Pb	00	51	06.5	-0.8
ESJX	Belle Mtn. Jos	1.04	341	Pg	Pg	00	51	06.5	+0.6
ESJX	Sierra Juarez	1.05	196	Pg	Pg	00	51	08.7	-0.2
DPX	Dos Picos Cty	1.13	270	Pg	Pg	00	51	10.5	0.0
DPP				Pn	Pn	00	51	11.5	+0.2

PAS 01 00:50:55.4, 1.0, 33:043N, 0:009:115:587W, 0:006, h8km, 4km, Error ellipse: s-maj=1.3km s-min=0.8km az=187.0

NEIC 01 00:50:55.2, 0.5, 33:037N, 0:009:115:604W, 0:005, h9km, 3km, ML2, 9/26, ML3.4/16(PAS), Error ellipse: s-maj=1.5km s-min=0.4km az=201.0, Southern California

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC	h	m	s	ISC
WEMD	Westmorland, C	0.02	87	Op	ISC	00	50	56.5	-0.4
WEMD	Westmorland, C			Pg	Sg	00	51	04.1	-0.6
OB	Obsidian Butte	0.13	348	Pg	Sg	00	50	58.9	+0.6
OB	Obsidian Butte			Sg	Sg	00	51	01.2	+0.9
IM	Imperial	0.14	165	Pg	Sg	00	50	58.7	+0.4
IM	Imperial			Sg	Sg	00	51	02.3	+1.8
SW	Sam W. Stewart	0.19	241	Pg	Sg	00	50	59.6	+0.4
SW	Sam W. Stewart			Sg	Sg	00	51	02.6	+0.7
ERRC	Elmore Ranch	0.20	293	Pg	Sg	00	51	00.3	+0.9
ERRC	Elmore Ranch			Pg	Sg	00	51	03.5	+1.3
SUP	Superstition M	0.20	246	Pg	Sg	00	50	59.8	+0.4
SUP	Superstition M			Sg	Sg	00	51	03.0	+0.7
CK	Cook Ranch 2	0.21	209	Pg	Sg	00	51	03.4	+0.7
WIS	Wister	0.24	2	Pg	Sg	00	51	04.4	+0.3
WESC	Westside Schoo	0.30	201	Pg	Pb	00	51	02.1	-0.6
SLVP	Salvation Pass	0.32	51	Pb	Pb	00	51	01.4	-0.2
SLVP	Salvation Pass			Sg	Sg	00	51	02.5	-0.4
BOMB	Bombay Beach	0.34	342	Pg	Pg	00	51	05.2	+0.5
FR	Frink	0.36	355	Pg	Pg	00	51	04.2	+0.6
FR	Frink			Sg	Sg	00	51	02.2	-0.2
SGL	Mount Signal	0.40	195	Pg	Sg	00	51	07.7	+0.4
SALN	Salton City	0.40	307	Pg	Sg	00	51	09.1	+0.7
SALN	Salton City			Sg	Sg	00	51	03.4	+0.3
SALN	Salton City			Sg	Sg	00	51	06.1	-2.3
SALN	Salton City			IAML	Pb	00	51	11.8	
SALN	comp=N, 5um, 0.2s			IAML	Pb	00	51	14.0	
COA	Coachella	0.44	113	Pg	Pg	00	51	04.2	+0.4
YUH	Yuha Desert	0.47	215	Pg	Sg	00	51	04.6	+0.2
YUH	Yuha Desert			Sg	Sg	00	51	11.2	+0.6
YUH	Yuha Desert			IAML	Pb	00	51	12.6	
YUH	comp=E, 683nm, 0.4s			IAML	Pb	00	51	12.6	
YUH	comp=N, 603nm, 0.7s			IAML	Pb	00	51	04.2	-0.3
BRGC	Borrogo Mounta	0.50	286	Sg	Pb	00	51	12.6	-0.8
RUN	Ruthven	0.53	97	Pg	Pb	00	51	04.7	-0.8
RUN	Ruthven			Sg	Sg	00	51	12.5	0.0
IKP	In-Ko-Pah, Jac	0.57	228	Pg	Sg	00	51	06.5	+0.7
IKP	In-Ko-Pah, Jac			Sg	Sg	00	51	14.1	+0.1
EMSC	East Mesa	0.60	120	Pg	Sg	00	51	06.9	0.0
EMSC	East Mesa			Sg	Sg	00	51	15.5	+0.8
BC3	Big Chuckawall	0.63	12	Pg	Sg	00	51	06.8	-0.6
BC3	Big Chuckawall			Sg	Sg	00	51	14.9	-0.8
BC3	Big Chuckawall			IAML	Pb	00	51	16.6	
BC3	comp=N, 578nm, 0.6s			IAML	Pb	00	51	16.6	
CPBX	Cerro Prieto	0.67	158	Pg	Pg	00	51	07.4	-0.7
HAY	Hayfield	0.67	354	Pg	Pg	00	51	08.0	-0.2
HAY	Hayfield			Sg	Sg	00	51	17.5	+0.4
CTW	Cottonwood Mou	0.68	341	Pg	Pg	00	51	07.7	-0.6
CTW	Cottonwood Mou			Sg	Sg	00	51	17.3	+0.1
CTW	Cottonwood Mou			Pg	Pg	00	51	08.4	-0.2
CTW	Cottonwood Mou			Sg	Sg	00	51	08.9	+0.7
BORC	Borrogo Spring	0.72	289	Pg	Pg	00	51	08.4	-0.7
BORC	Borrogo Spring			Sg	Sg	00	51	18.4	-0.2
JUEM	Julian Eagle M	0.83	273	Pg	Pg	00	51	10.6	-0.8
JUEM	Julian Eagle M			Sg	Sg	00	51	22.6	+0.4
PMD	Palm Desert	0.89	313	Pg	Pg	00	51	11.0	-1.3
PMD	Palm Desert			Sg	Sg	00	51	23.0	-0.9
PMD	Palm Desert			IAML	Pb	00	51	24.0	
PMD	comp=N, 374nm, 0.8s			IAML	Pb	00	51	25.5	
MATG	Mataguay Scout	0.89	281	Pg	Sg	00	51	23.7	-0.3
XPFO	Pinon Flat	0.91	309	Pg	Sg	00	51	12.0	-0.8
PFO	Pinyon Flats O	0.92	309	Pg	Sg	00	51	12.1	-0.8
PFO	Pinyon Flats O			Sg	Sg	00	51	23.6	-1.3
PFO	Pinyon Flats O			IAML	Pb	00	51	25.4	
PFO	comp=E, 222nm, 0.7s			IAML	Pb	00	51	25.5	
BAR	Barrett	0.97	249	Pg	Pg	00	51	13.5	-0.3
BAR	Barrett			Sg	Sg	00	51	25.6	-0.8
BAR	Barrett			IAML	Pb	00	51	26.6	
BAR	comp=E, 281nm, 0.3s			IAML	Pb	00	51	27.2	
DNR	Dunn Ranch, Anz	1.01	302	Pg	Pg	00	51	14.5	-0.1
DNR	Dunn Ranch, Anz			Pb	Pb	00	51	28.1	
BELC	Belle Mtn. Jos	1.02	341	Pg	Pn	00	51	15.5	-0.2
BELC	Belle Mtn. Jos			IAML	Pb	00	51	28.0	
BELC	comp=E, 224nm, 0.8s			IAML	Pb	00	51	37.6	
ESJX	Sierra Juarez	1.07	196	Pg	Pg	00	51	14.9	-0.9
ESJX	Sierra Juarez			IAML	Pb	00	51	30.4	
ESJX	comp=E, 263nm, 0.6s			IAML	Pb	00	51	31.3	
DPP	Dos Picos Cty	1.12	268	Pg	Pb	00	51	16.2	-0.6
DPP	Dos Picos Cty			IAML	Pb	00	51	31.7	
DPP	comp=N, 334nm, 0.4s			IAML	Pb	00	51	31.7	



Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like PSIM, CIBOR, BGF, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like GWY, MPMC, ISA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like FRD, BAR, BARR, etc.

NEIC 01 00:58:13.6±1.6, 33.065N, 0.008:115.64W:0.01, h7km, 3km, ML3.8/42, Mwr4.0/116, Mwr4.1/6(PAS), Error ellipse: s-maj=1.5km s-min=1.1km az=61.0, Moment Tensor Solution... Moment tensor: Scale 10^15Nm...

NEIC 01 00:58:13.3, 33.07N, 115.66W, h5km, PAS 01 00:58:13.8±1.5, 33.07N, 115.593W, 0.007, h11km, 6km, Error ellipse: s-maj=1.6km s-min=1.0km az=184.0, ID 01 00:58:15.7±1.6, 33.12N, 115.61W, h0km, mb3.4/1, mbtmp3.2/6, ML3.2/5, MS3.4/6, Error ellipse: s-maj=1.8km s-min=9.5km az=28.0

ISC 01 01:05:13.6±0.6, 33.066N, 0.02:115.64W:0.02, h17km, 6km, n108, o114/124, Southern California

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like NVAR, NVAR, NVAR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like NVAR, NVAR, NVAR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like DUZA, ESJX, ESJX, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like BLYC, IRM, IRM, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like OBB, IMPPE, IMPPE, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like ELK, ELK, ELK, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like BLAC, TJX, HMT, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like BLYC, IRM, IRM, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like PASC, MTPC, GSC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like CCCA, QSM, QSM, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like GWY, GWY, GWY, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like MPMC, FURC, WCT, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like TUC, TUC, TUC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like TXAR, TXAR, TXAR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like CMIG, ILAR, ILAR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like TXAR, TXAR, TXAR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like TXAR, TXAR, TXAR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like WEMD, CLY2, ODB, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like WIS, WIS, WIS, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like WEMD, BCB3, BCB3, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like WEMD, BCB3, BCB3, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like WEMD, BCB3, BCB3, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like WEMD, BCB3, BCB3, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like AKCD, AKCD, AKCD, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like AKCD, AKCD, AKCD, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like AKCD, AKCD, AKCD, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like AKCD, AKCD, AKCD, etc.

EMSC East Mesa 0.64 120 Pg 00 58 25.4 -0.8

CTW Cottonwood Mou 0.64 342 Pg 00 58 35.4 +0.3

HAY Hayfield 0.64 357 Pg 00 58 35.3 +0.3

CTCC Cactus City 0.66 333 Pg 00 58 26.5 -0.1

BORC Borrego Spring 0.69 288 Pg 00 58 26.9 -0.2

BORC Borrego Spring 0.69 288 Pg 00 58 26.9 -0.2

BORC Borrego Spring 0.69 288 Pg 00 58 26.9 -0.2

BORC Borrego Spring 0.69 288 Pg 00 58 26.9 -0.2

TXAR Lajas Array 10.81 25 Pn 01 00 45.6 -2.1

TXAR Lajas Array 10.81 25 Pn 01 00 45.6 -2.1

TXAR Lajas Array 10.81 25 Pn 01 00 45.6 -2.1

TXAR Lajas Array 10.81 25 Pn 01 00 45.6 -2.1

TXAR Lajas Array 10.81 25 Pn 01 00 45.6 -2.1

TXAR Lajas Array 10.81 25 Pn 01 00 45.6 -2.1

TXAR Lajas Array 10.81 25 Pn 01 00 45.6 -2.1

TXAR Lajas Array 10.81 25 Pn 01 00 45.6 -2.1

ISK 01 01:05:36.6, 38.67N, 38.10E, h5km, ML3.7/11 AFAD 01 01:05:37.3, 38.70N, 38.08E, h7km, 2km, MW3.8 ID 01 01:05:39.5±1.0, 38.28N, 37.70E, h0km, mb3.5/3, mbtmp3.3/8, ML2.8/5, MS2.1/2, Error ellipse: s-maj=14.7km s-min=10.4km az=95.0

ISC 01 01:05:37.4±1.1, 38.67N, 0.02:38.11E:0.02, h6km, 9km, n41, o116/59, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like HEKM, HEKM, HEKM, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like HEKM, HEKM, HEKM, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like HEKM, HEKM, HEKM, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like HEKM, HEKM, HEKM, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like HEKM, HEKM, HEKM, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, h m s, ISC. Includes stations like HEKM, HEKM, HEKM, etc.

1d 1h

Table with columns: BRTR, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like Keskin Array B, Mount Meron Ar, Khabaz, etc.

LDG 01 01:06:30.6:0.1, 42.84N:1.44W, h2km, Md2.4/2, Ml2.5/11, Error ellipse: s-maj=2.0km s-min=1.8km az=113.0

MDD 01 01:06:30.7:0.2, 42.84N:1.44W, h1km, mb\_Lg2/2/37, Error ellipse: s-maj=1.9km s-min=1.2km az=5.0

STR 01 01:06:32.0:0.0, 43.0N:0.2:1.4W, h0km, MlV2.0/15, L0CSAT earthModelID pyrenees\_taup2.1 preliminary

ISC 01 01:06:29.4:1.0, 42.90N:0.02:1.46W:0.02, h8km, km, n47, +1527/89, Pyrenees

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Lists numerous stations like EARA, Ste Jean, EALK, etc.

2020 OCT

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes Ste Croix, Bossay-Sur-Cla, Quistinic, etc.

ICD 01 01:10:24.4:2.1, 32.85N:1.5:77W, h0km, mbmp3.1/6, Ml3.2/6, Error ellipse: s-maj=22.8km s-min=9.9km az=37.0

NEIC 01 01:10:25.2:1.9, 33.04N:0.02:11.5:60W:0.02, h10km, 2km, mb4.1/8, Ml3.9/61, Mw4.0/181, Mw4.1/5(PAS), Error ellipse: s-maj=3.0km s-min=2.9km az=192.0, Moment Tensor Solution. Moment tensor: Scale 10^15Nm; Mn:-0.43; Mw:-0.48; Ms:-0.91; Mo:0.26; Mx:0.74; My:-0.09;

Fault plane solution: Mo:1.2000x10^15 NP1: 0.342, 0.8000, 0.69, 960000, -159, 690000, NP2: 0.244, 85000, 0.70, 97000, -1, 21, 25000. Principal axes: P1: 2.2297, P2: 0.0000, Azm294.0000; N: -0.2799, P2: 6.0000, Azm25.0000; P: -0.9498, Pkg28.0000, Azm203.0000

NEIC 01 01:10:25.3, 33.03N:1.5:59W, h10km PAS 01 01:10:25.8, 1.9, 33.04N:0.02:11.5:59W:0.02, h11km, 4km, Error ellipse: s-maj=2.6km s-min=2.1km az=180.0

ISC 01 01:10:25.2:0.6, 33.04N:0.01:11.5:61W:0.02, h10km, n103, e1558/123, Southern California

Main station list table for the 2020 OCT section with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Lists stations like Westmorland, Calipatria, etc.

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Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Lists stations like ELS, VTX, BFCF, etc.

PAS 01 01:10:44.9:1.0, 33.047N:0.010:11.5:59W:0.01, h8km, 1km, Error ellipse: s-maj=1.8km s-min=1.3km az=74.0

NEIC 01 01:10:44.7:1.1, 33.04N:0.01:11.5:59W:0.01, h13km, 2km, Ml3.3/8, Ml3.8/4(PAS), Error ellipse: s-maj=1.7km s-min=1.6km az=177.0, Southern California

Main station list table for the 10 section with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Lists stations like Westmorland, Calipatria, etc.

PAS 01 01:11:05.6:1.1, 33.043N:0.008:11.5:58W:0.01, h7km, 1km, Error ellipse: s-maj=1.3km s-min=1.2km az=73.0

NEIC 01 01:11:05.3:1.3, 33.038N:0.007:11.5:59W:0.009, h5km, 1km, Ml3.3/26, Ml3.6/6(PAS), Error ellipse: s-maj=2.3km s-min=1.3km az=133.0, Southern California

Main station list table for the 10 section with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Lists stations like Westmorland, etc.

Table with columns: CLID, Station Name, Frequency, Power, Azimuth, Elevation, and various status indicators. Includes entries like Calipatria 2, Imperial, Sam W. Stewart, etc.

BUJ 01 01:13:34.5, 19:45S:174:00W, h20km, mB6.5/79, mb6.1/82, Ms6.5/99, Ms7.6/4/97
MOS 01 01:13:36.2, 1.5, 19:55S:174:37W, h33km, mb6.4/58, MS6.3/37, Error ellipse: s-maj=8.0km s-min=6.7km az=110.2
NEIC 01 01:13:36.5, 1.3, 19:54S:0:08-174:12W:0.0, h28km, 1km, mb6.5/84S, Ms. 20.6/4710, Mw6.6/3227, Mw6.4/334, Error ellipse: s-maj=13.6km s-min=11.9km az=141.0, Moment Tensor Solution. Moment tensor: Scale 10^18Nm; Mn:3.12; Mw:0.73; Mw:2.39; Mw:0.40; Mw:0.17; Mw:2.68; Fault plane solution: Ms:3.92000x10^18 NP1: 0.5, 200000, 322.82000, 387.69000. NP2: 0.5, 200000, 367.20000, 190.97000. Principal axes: T 4.2322, Plg68.0000, Azm99.0000; N -0.7118, Plg1.0000; Azm7.0000; P -3.5113, Plg22.0000; Azm277.0000;
ISC-PP 01 01:13:36, 19:54S:174:12W, h33km, Mw6.6/53, Moment Tensor Solution: s29 Moment tensor: Scale 10^18Nm; Mn:0.43±.16; Mw:0.49±.18; Mw:0.06±.13; Mw:0.12±.15; Mw:0.22±.15; Mw:0.47±.23; Fault plane solution: Ms:9.23000x10^18 NP1: 0.5, 152.5000, 355.10000, 134.20000. NP2: 0.5, 273.0000, 354.0000, 145.0000.
NEIC 01 01:13:37.0, 19:48S:174:22W, h35km, IPGP 01 01:13:37.0, 19:50S:174:23W, h44km, Mw6.5, Fault plane solution: NP1: 0.5, 334.00000, 323.00000, 141.00000. NP2: 0.5, 183.00000, 370.00000, 101.00000.
IDC 01 01:13:37.9, 1.2, 19:57S:174:52W, h42km, 9km, mb5.8/27, mBmp6.0/29, ML6.4/2, MS6.2/66, Error ellipse: s-maj=11.5km s-min=9.4km az=110.0
NEIC 01 01:13:37.9, 19:50S:174:27W, h35km
PTWC 01 01:13:37, 19:10S:173:60W, h10km, Mw6.6/53
GFZ 01 01:13:38.1, 19:49S:174:29W, h43km, Mw6.5/93, Moment Tensor Solution. Moment tensor: Scale 10^18Nm; Mn:4.84; Mw:0.04; Mw:4.80; Mw:0.11; Mw:2.52; Mw:4.96; Fault plane solution: Ms:7.35862x10^18 NP1: 0.5, 174.11834, 367.22713, 106.32808. NP2: 0.5, 198.98866, 327.76593, 156.19033. Principal axes: T 7.1069, Plg64.0787, Azm111.6811; N 0.4799, Plg15.0239, Azm347.6489; P -7.5868, Plg20.6087, Azm251.8562.
GFZ 01 01:13:39, 1.0, 19:52S:17:47W, h49km, Mb6.5/171, mb6.9/158, mb6.1/171, Mw(mB)6.7/58, Mw(mw)6.4/155, Mb6.3/155
GCMT 01 01:13:41.5, 0.0, 19:40S:173:79W, h42km, Mw6.5/81, Moment Tensor Solution. s177, c453; s181, c766; Duration: 45s Moment tensor: Scale 10^18Nm; Mn:1.7; Mw:0.69; Mw:4.48; Mw:1.45; Mw:1.40; Mw:2.70; Fault plane solution: Ms:5.92000x10^18 NP1: 0.5, 170.0000, 329.74000, 181.75000. NP2: 0.5, 170.0000, 360.60000, 194.69000. Principal axes: T 6.0414, Plg74.0000, Azm125.0000; N -0.2619, Plg4.0000, Azm21.0000; P -5.7804, Plg15.0000, Azm290.0000;
ISC 01 01:13:36.0, 0.2, 19:56S:0:03-174:13W:0.0, h36km, 1km, h36km: p-P, n2590, s1978/2285, mb6.4/623, MS6.4/469, 206C-146D, Tonga Islands

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and various status indicators. Includes entries like NIUE, KLBKA Tubou, AFI Afiamalu, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and various status indicators. Includes entries like RTZ Ruatuhuna, PRGZ Paritua Road, HRRZ Hancock Road, etc.

1d 1h

Table with columns: Station Name, Time, Status, and other details. Includes stations like Blackbird Sta, Tara, MRNZ, THZ, HURO, KHZ, etc.

2020 OCT

Table with columns: Station Name, Time, Status, and other details. Includes stations like CTA Charters Tower, CTAO Charters Tower, CTAO Charters Tower, etc.

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Table with columns: Station Name, Time, Status, and other details. Includes stations like KIP Kipapa, KIP KIP, KIP Kipapa, etc.

Table with columns for station name, coordinates, and forecast values. Includes stations like Scott Base, Vanda, NVA, and various island locations.

Table with columns for station name, coordinates, and forecast values. Includes stations like LCVP, LCPV, Tandang City, Talacogon, Agul, Bulukumba, and various island locations.

Table with columns for station name, coordinates, and forecast values. Includes stations like JSG, QSPA, QPSA, and various island locations.





COR	Corvallis	78.88	34	P	P	01 25 38.2 +2.1
COR	Corvallis	78.88	34	P	P	01 25 36.6 +0.6
COR	comp=Z,491nm,1.4s					
COR	Corvallis	78.88	34	P	P	01 25 36.6 +0.6
COR	Corvallis	78.88	34	P	P	01 25 37.1 +1.0
COR	Corvallis	78.88	34	P	P	01 25 37.6 +1.5
COR	comp=Z,32umcomp=Z,9umcomp=Z,27nm,2.2s,comp=Z,9um					
COR	Corvallis	78.88	34	P	P	01 25 37.2 +1.2
COR	Cider	78.88	34	P	P	01 25 45.3 +0.7
COR	KNMB	78.92	301	I	Amb	01 25 39.4
COR	KNMB	78.92	301	P	P	01 25 37.7 +1.0
COR	Chin-men Tao	78.92	301	P	P	01 25 37.7 +1.0
COR	comp=Z,17umcomp=Z,6umcomp=Z,280nm,1.6s,comp=Z,6um					
COR	Quanzhou	78.98	301	P	S	01 25 37.1 +0.1
COR	Quanzhou	78.98	301	P	S	01 35 31.0 -2.5
QZHZ	comp=Z,350nm,1.5s					
QZHZ	comp=Z,4um,8.6s					
QZHZ	comp=Z,6um,22.3s					
QZHZ	comp=Z,5um,21.0s					
QZHZ	comp=Z,8um,18.2s					
S11A	Rachel	79.04	44	I	Amb	01 26 08.9
SDAK	Kodiak Island	79.11	12	LR	LR	01 54 10.7
SDAK	comp=Z,21.5s,ba=204,slo=31					
SDAK	Kodiak Island	79.11	12	P	P	01 25 37.0 0.0
SDAK	comp=Z,1um,1.5s					
SDAK	Kodiak Island	79.11	12	P	P	01 25 37.7 +0.6
SDAK	Kodiak Island	79.11	12	P	P	01 25 37.6 +0.6
SDAK	Kodiak Island	79.11	12	P	P	01 25 38.4 +1.4
H04D	Lebanon	79.14	35	I	Amb	01 25 40.6
H04D	comp=Z,148nm,1.6s					
J05D	Fort Rock, OR	79.16	36	I	Amb	01 25 41.0
G03D	McMinnville, O	79.32	34	I	Amb	01 25 41.5
G03D	comp=Z,939nm,1.5s					
O15K	Ungalikthiuk R	79.32	7	I	Amb	01 25 40.0
O15K	comp=Z,1um,1.8s					
O15K	IAMS_20					01 58 55.2
WIFE	Three Sisters	79.34	35	I	Amb	01 25 41.9
WIFE	comp=Z,606nm,1.4s					
PRN	Pahroc Range	79.36	44	I	Amb	01 25 42.7
PRN	comp=Z,1um,1.6s					
PRN	Pahroc Range	79.36	44	P	P	01 25 40.5 +1.4
PRN	Nushagak River	79.42	8	I	Amb	01 58 55.0
INCN	Inchon	79.51	316	P	P	01 25 40.4 +1.0
INCN	Inchon	79.51	316	P	P	01 25 40.7 +0.7
INCN	Inchon	79.51	316	P	S	01 35 38.1 -0.7
INCN	Inchon	79.51	316	P	P	01 25 40.8 +1.0
INCN	comp=Z,243nm,1.4s					
INCN	Inchon	79.51	316	P	P	01 25 40.8 +1.0
INCN	Inchon	79.51	316	I	Amb	01 55 53.0
INCN	comp=Z,15um,21.0s					
INCN	Inchon	79.51	316	P	P	01 25 40.6 +0.9
INCN	Inchon	79.51	316	P	P	01 25 40.9 +1.1
TUC	Tucson	79.56	50	P	P	01 25 41.9 +1.7
TUC	comp=Z,23umcomp=Z,8umcomp=Z,195nm,2.6s,comp=Z,8um					
TUC	Tucson	79.56	50	P	P	01 25 41.0 +0.8
TUC	comp=Z,706nm,1.5s					
TUC	Tucson	79.56	50	P	P	01 25 41.0 +0.8
TUC	comp=Z,706nm,1.4s					
TUC	Tucson	79.56	50	I	Amb	01 52 04.9
TUC	comp=Z,18um,22.0s					
TUC	Tucson	79.56	50	P	P	01 25 41.6 +1.5
TUC	Tucson	79.56	50	P	P	01 25 41.9 +1.7
TUC	comp=Z,43umcomp=Z,11umcomp=Z,353nm,2.4s					
TUC	Tucson	79.56	50	P	P	01 25 41.9 +1.7
F03A	Seaside	79.65	33	I	Amb	01 25 43.2
PINE	Pine Mountain	79.65	36	I	Amb	01 25 43.8
PINE	comp=Z,103nm,1.2s					
PLA	VLADIVOSTOK	79.67	323	P	P	01 25 43.3 +0.9
PLA	VLADIVOSTOK	79.67	323	P	P	01 25 43.3 +0.9
PLA	comp=Z,156nm,1.5s					
PLA	VLADIVOSTOK	79.67	323	M	MLR	01 25 44.0
PLA	VLADIVOSTOK	79.67	323	M	MLR	01 25 44.1
TYV	Tymovskoe	79.74	334	eP	P	01 25 40.5 -0.1
TYV	comp=Z,5um,20.0s					
TYV	Tymovskoe	79.74	334	eS	S	01 35 40.8 +0.3
TYV	comp=Z,134nm,1.3s					
TYV	Tymovskoe	79.74	334	pmax	pmax	01 25 40.5 -0.1
TYV	Tymovskoe	79.74	334	smax	smax	01 35 40.8 +0.3
TYV	comp=Z,1um,5.5s					
TYV	comp=N,4um,8.9s					
TYV	comp=E,4um,8.9s					
TYV	comp=N,28nm,2.0s					
BMN	Battle Mountain	79.74	41	I	Amb	01 25 44.0
BMN	comp=Z,59nm,2.0s					
I05D	Terrebonne, OR	79.78	36	I	Amb	01 25 44.1
I05D	comp=Z,554nm,1.4s					
P17K	Kvichak River	79.80	9	I	Amb	01 58 29.1
P17K	comp=Z,713nm,1.4s					
RADR	Rader Ridge	79.86	33	I	Amb	01 25 44.6
RADR	comp=Z,37um,20.0s					
SSE	Sheshan	79.92	308	P	P	01 25 42.1 0.0
SSE	comp=Z,34nm,1.4s					
SSE	Sheshan	79.92	308	S	S	01 35 45.2 +1.9
SSE	comp=Z,34nm,1.4s					
SSE	Sheshan	79.92	308	pmax	pmax	01 25 42.1 0.0
SSE	Sheshan	79.92	308	pmax	pmax	01 35 45.2 +1.9
O16K	Kokwok River B	79.95	8	I	Amb	01 58 53.9
O16K	comp=Z,3um,23.7s					
Q19K	Cape Douglas,	80.00	11	I	Amb	01 58 54.4
Q19K	comp=Z,15um,20.0s					
BELA	Belgrano 2	80.00	172	P	P	01 25 42.6 +0.8
BELA	comp=Z,590nm,1.2s					
F04D	Rainier, OR	80.03	33	I	Amb	01 25 45.7
F04D	comp=Z,603nm,1.2s					
WVOR	Wild Horse Val	80.11	38	I	Amb	01 25 45.9
WVOR	comp=Z,571nm,1.4s					
WVOR	Wild Horse Val	80.11	38	P	P	01 25 43.5 +0.6
WVOR	Wild Horse Val	80.11	38	P	P	01 25 43.8 +0.8
319A	Douglas	80.19	52	I	Amb	01 25 47.5
319A	comp=Z,28umcomp=Z,9umcomp=Z,280nm,1.3s,comp=Z,8um					
HOOD	Mount Hood Mea	80.25	35	I	Amb	01 25 46.3
HOOD	comp=Z,763nm,1.4s					
F04D	Rainier, OR	80.29	324	d/P	P	01 25 44.0 +0.3
F04D	comp=Z,603nm,1.2s					
USRKB	Ussuriysk Ar.	80.29	324	P	P	01 25 44.4 +0.7
USRKB	comp=Z,25um,22.0s					
USRKB	Ussuriysk Ar.	80.29	324	P	P	01 25 44.4 +0.7
USRKB	comp=Z,90nm,1.1s,ba=111,slo=4.9,SNR=69					
USRKB	Ussuriysk Ar.	80.29	324	LR	LR	01 58 54.1
USRKB	Ussuriysk Ar.	80.29	324	P	P	01 25 44.5 +0.8
HHU	Hamhung	80.33	318	P	S	01 25 44.3 +0.3
HHU	comp=N,77nm,1.0s					
HHU	Hamhung	80.33	318	P	S	01 35 49.6 +2.3
HHU	comp=N,77nm,1.0s					
HHU	Hamhung	80.33	318	pmax	pmax	01 25 44.3 +0.3
HHU	Hamhung	80.33	318	pmax	pmax	01 35 49.6 +2.3
HHU	comp=Z,5um,3.1s					
WISH	Wishkah	80.34	32	I	Amb	01 25 47.5
WISH	comp=Z,7um,19.3s					
G05A	Wamie	80.38	35	I	Amb	01 25 47.1
G05A	comp=Z,599nm,1.4s					
HJU	Haaju	80.42	316	P	S	01 25 44.8 +0.3
HJU	comp=Z,3um,8.6s					
HJU	Haaju	80.42	316	P	S	01 35 49.2 +0.9
HJU	comp=Z,3um,8.6s					
HJU	Haaju	80.42	316	AMS	AMS	01 25 44.8 +0.3
NLWA	Neilton Lookou	80.48	32	I	Amb	01 53 28.5
NLWA	comp=Z,14um,20.0s					
NLWA	Neilton Lookou	80.48	32	P	P	01 25 45.5 +0.7
NLWA	comp=Z,24um,21.0s					
C03A	Quillayute Air	80.51	31	I	Amb	01 25 51.0
C03A	comp=Z,914nm,1.3s					
O18K	Koktu Hills	80.62	10	I	Amb	01 59 13.8
O18K	comp=Z,14um,19.0s					

KNB	Kanab	80.62	45	I	Amb	01 25 49.7
KNB	comp=Z,876nm,1.5s					
M14K	Bethel	80.63	6	P	P	01 25 46.4 +1.3
M14K	comp=Z,650nm,1.1s					
PMBI	Palebamb	80.64	270	I	Amb	02 00 39.0
PMBI	comp=Z,15um,22.0s					
U15A	North Rim	80.67	46	I	Amb	01 25 50.1
U15A	comp=Z,1um,1.6s					
PMSA	Palmer Station	80.68	156	LR	LR	01 57 11.4
PMSA	comp=Z,5um,18.9s,ba=245,slo=32					
PMSA	Palmer Station	80.68	156	P	P	01 25 46.6 +1.0
PMSA	Palmer Station	80.68	156	P	P	01 25 47.3 +1.7
PMSA	Palmer Station	80.68	156	P	P	01 25 47.0 +1.4
PMSA	Palmer Station	80.68	156	eP	P	01 25 46.0 +0.4
PMSA	Palmer Station	80.68	156	P	P	01 25 47.2 +1.6
PMSA	Palmer Station	80.68	156	P	P	01 25 55.0 -1.5
PMSA	Palmer Station	80.68	156	P	P	01 25 44.6 -2.0
MDSI	Maura Dua	80.69	269	P	P	01 25 44.6 -2.0
MDSI	comp=Z,5umcomp=Z,204nm,1.0s					
HOLB	Holberg	80.76	28	I	Amb	01 25 49.8
HOLB	comp=Z,473nm,1.0s					
SZCU	Shurtz Canyon	80.76	45	I	Amb	01 25 50.3
SZCU	comp=Z,594nm,1.4s					
J08A	Circle Bar Ran	80.77	38	I	Amb	01 25 49.4
J08A	comp=Z,698nm,1.5s					
WUAA	Wupatki	80.81	47	I	Amb	01 52 57.0
WUAA	comp=Z,19um,22.0s					
WUAA	Wupatki	80.81	47	P	P	01 25 48.5 +1.5
HPIG	Wupatki	80.85	57	P	P	01 25 48.5 +1.1
HPIG	comp=Z,41umcomp=Z,10umcomp=Z,301nm,2.5s,comp=Z,10um					
DIB1	Dawson Inlet,	80.91	24	I	Amb	01 25 51.7
DIB1	comp=Z,605nm,1.6s					
H02S1	DAWSON INLET T	80.91	24	P	P	01 25 49.2 +2.4
H02S1	SNR=12					
H02S2	DAWSON INLET T	80.91	24	P	P	01 25 49.4 +2.6
H02S2	SNR=12					
PYAG	Pyeongyang	80.96	317	S	S	01 25 48.3 +0.9
PYAG	comp=Z,8um,7.2s					
PYAG	Pyeongyang	80.96	317	Amb	Amb	01 35 56.3 +2.5
PYAG	comp=Z,10um,22.8s					
CNMG	China Poot	81.00	12	I	Amb	01 25 50.2
CNMG	comp=Z,708nm,1.2s					
O19K	Port Alsworth	81.08	10	I	Amb	01 59 47.1
O19K	comp=Z,14um,19.0s					
ELK	Elko	81.15	41	LR	LR	01 54 20.5
ELK	comp=Z,23um,21.9s,ba=234,slo=30					
ELK	Elko	81.15	41	I	Amb	01 53 46.8
ELK	comp=Z,25um,22.0s					
ELK	Elko	81.15	41	P	P	01 25 49.2 +0.4
BRLL	Bradley Lake	81.28	12	I	Amb	01 25 51.0
BRLL	comp=Z,60nm,1.1s					
HKC	Hong Kong Obse	81.45	297	P	P	01 25 52.0 +1.6
HKPS	Hong Kong Po S	81.46	297	P	P	01 25 51.8 +1.3
HKPS	Hong Kong Po S	81.46	297	I	Amb	01 25 44.3
HKPS	comp=Z,20um,22.0s					
HKPS	Hong Kong Po S	81.46	297	P	P	01 25 51.8 +1.3
ZAIG	Zacatecas	81.53	52	P	P	01 25 52.8 +1.5
ZAIG	comp=Z,49umcomp=Z,8umcomp=Z,216nm,1.8s					
CBB	Campbell River	81.57	29	I	Amb	01 25 54.1
CBB	comp=Z,553					





Table with columns for station ID, name, frequency, and signal strength. Includes stations like HEH, YMP, T25A, SCRCR, COLA, etc.

Table with columns for station ID, name, frequency, and signal strength. Includes stations like LYN, LuoYang, PSI, BIOD, COLD, etc.

Table with columns for station ID, name, frequency, and signal strength. Includes stations like TIY, F25K, BO02, BO02, etc.

1d 1h

Table of flight data for the first half of the day (1d 1h). Columns include flight number, airline, departure/arrival times, status, and other flight details.

2020 OCT

Table of flight data for the second half of the day (2020 OCT). Columns include flight number, airline, departure/arrival times, status, and other flight details.

Table of flight data for the second half of the day (continued). Columns include flight number, airline, departure/arrival times, status, and other flight details.

N38A	Joos South For	95.93	49	I	Amb	Iamb	01 27 02.1
N38A	comp=Z,325nm,1.3s						
N38A	IAMS_20	IAMS_20	02 03 30.2				
FFC	Flin Flo	95.93	34	P	P	P	01 27 00.2 +0.7
FFC	comp=Z,18um,21.0s						
FFC	Flin Flo	95.93	34	P	P	P	01 27 00.2 +0.7
FFC	comp=Z,339nm,1.8s						
FFC	Iamb	Iamb	01 27 01.4				
FFC	Flin Flo	95.93	34	P	P	P	01 27 00.4 +0.9
FFC	comp=Z,339nm,1.8s						
CYA	Choya	95.94	123	eP	P	P	01 27 01.2 +0.8
CYA	comp=Z,5um,comp=Z,88nm,2.2s						
PSGCX	Pisagua	95.98	113	eP	P	P	01 27 01.2 +0.8
PSGCX	comp=Z,408nm,1.8s						
PSGCX	Pisagua	95.98	113	P	P	P	01 27 02.5 +1.8
PSGCX	comp=Z,20um,comp=Z,7um,comp=Z,74nm,1.6s,comp=Z,5um						
HBAR	Harrisburg	96.04	55	Iamb	Iamb	Iamb	01 27 04.8
HBAR	comp=Z,202nm,1.3s						
AZU	Azuro	96.18	84	P	P	P	01 27 03.0 +1.4
NPW	Naypitay	96.19	289	P	P	P	01 27 02.2 +0.8
NPW	comp=Z,5um,comp=Z,7um,comp=Z,74nm,1.8s,comp=Z,7um						
PB12	IPOC Station P	96.19	112	P	P	P	01 27 03.5 +1.8
PB12	comp=Z,19um,comp=Z,4um,comp=Z,88nm,2.5s						
T42A	Van Buren	96.20	53	IAMS_20	IAMS_20	IAMS_20	02 02 12.7
T42A	comp=Z,19um,22.0s						
AFO1	San Pedro de A	96.31	117	IAMS_20	IAMS_20	IAMS_20	02 00 37.4
AFO1	comp=Z,17um,20.0s						
PB11	IPOC Station P	96.33	113	IAMS_20	IAMS_20	IAMS_20	02 00 14.1
PB11	comp=Z,14um,22.0s						
PB11	IPOC Station P	96.33	113	P	P	P	01 27 04.3 +1.9
PB11	comp=Z,19um,comp=Z,5um,comp=Z,140nm,1.4s						
146A	Union	96.33	56	IAMS_20	IAMS_20	IAMS_20	02 02 24.3
146A	comp=Z,16um,22.0s						
P40A	Paris	96.34	50	Iamb	Iamb	Iamb	01 27 05.4
P40A	comp=Z,199nm,1.3s						
CCM	Cathedral Cave	96.44	52	P	P	P	01 27 02.1 -0.1
CCM	comp=Z,139nm,1.2s						
CCM	Cathedral Cave	96.44	52	IAMS_20	IAMS_20	IAMS_20	02 02 41.8
CCM	comp=Z,12um,21.0s						
CCM	Cathedral Cave	96.44	52	P	P	P	01 27 02.1 -0.1
CCM	comp=Z,16um,comp=Z,2.12nm,1.2s						
PB08	IPOC Station P	96.61	114	P	P	P	01 27 05.5 +1.5
PB08	comp=Z,368nm,1.8s						
PB08	IPOC Station P	96.61	114	Iamb	Iamb	Iamb	01 27 08.3
PB08	comp=Z,19um,comp=Z,9um,comp=Z,98nm,2.4s						
OXF	Oxford	96.66	56	Iamb	Iamb	Iamb	01 27 07.5
OXF	comp=Z,154nm,1.1s						
GO01	Chuzmiza	96.76	114	Iamb	Iamb	Iamb	01 27 09.1
GO01	comp=Z,283nm,1.9s						
GO01	IAMS_20	IAMS_20	01 59 32.7				
GO01	Chuzmiza	96.76	114	P	P	P	01 27 07.0 +2.2
GO01	comp=Z,22um,comp=Z,75nm,2.3s,comp=Z,4um						
FSA	Cafayete	96.81	121	eP	P	P	01 27 06.9 +2.4
AGMM	Agassiz Nation	96.87	41	P	P	P	01 27 03.9 -0.3
AGMM	comp=Z,12um,comp=Z,221nm,1.4s						
I37A	Lemond, Waseca	96.94	46	IAMS_20	IAMS_20	IAMS_20	02 03 35.8
I37A	comp=Z,14um,22.0s						
PB16	IPOC Station P	97.01	112	P	P	P	01 27 05.3 -0.7
PB16	comp=Z,152nm,1.3s						
PB16	IPOC Station P	97.01	112	Iamb	Iamb	Iamb	01 27 07.6 +1.4
PB16	comp=Z,106nm,1.6s,comp=Z,4um,comp=Z,20um						
FVM	French Village	97.02	52	Iamb	Iamb	Iamb	01 27 07.9
FVM	comp=Z,155nm,1.1s						
BCIP	Isla Barro Col	97.03	83	P	Pdf	P	01 27 07.2 +1.7
BCIP	comp=Z,3um,comp=Z,50nm,2.2s						
ULN	Ulanbaatar	97.06	318	eP	P	P	01 27 05.9 +0.8
ULN	comp=Z,19um,22.0s						
ULN	Ulanbaatar	97.06	318	SKSac	SKSac	SKSac	01 37 39.0 -0.4
ULN	comp=Z,19um,22.0s						
ULN	Ulanbaatar	97.06	318	P	P	P	01 27 05.3 +0.2
ULN	comp=Z,36nm,1.1s						
ULN	Ulanbaatar	97.06	318	MLR	MLR	MLR	01 27 04.4 -0.5
ULN	comp=Z,4um,19.0s						
ULN	Ulanbaatar	97.06	318	P	P	P	01 27 05.1 +0.1
ULN	comp=Z,19um,22.0s						
ULN	Ulanbaatar	97.06	318	P	P	P	01 27 05.1 +0.1
ULN	comp=Z,2.85nm,1.7s						
BBAC	Barboa, Cauca	97.16	90	P	P	P	01 27 06.0 -0.3
Z47A	Carrollton	97.30	57	IAMS_20	IAMS_20	IAMS_20	02 04 26.9
Z47A	comp=Z,12um,22.0s						
SALTA	Salta	97.31	119	P	Pdf	P	01 27 08.8 +1.5
SALTA	comp=Z,62nm,2.8s,comp=Z,3um,comp=Z,17um						
PB18	Visviri	97.33	112	P	Pdf	P	01 27 08.4 +0.9
PB18	comp=Z,141nm,1.9s,comp=Z,5um,comp=Z,19um						
SLK	Saint Louis	97.38	52	Iamb	Iamb	Iamb	01 27 08.8
SLK	comp=Z,152nm,1.6s						
HICKM	Hickman	97.46	54	Iamb	Iamb	Iamb	01 27 10.8
HICKM	comp=Z,163nm,1.2s						
SONM	Songino Array	97.46	318	P	P	P	01 27 05.8 -0.9
SONM	comp=Z,14nm,1.0s,baz=157,slo=8.0,SNR=7.7						
SONM	TEZP	101.16	294	ex	ex	ex	01 30 58.4 -6.0
SONM	TEZP	101.16	294	S	S	S	01 37 40.1 -1.2
SONM	comp=Z,3.2nm,0.7s,baz=137,slo=6.4,SNR=3.5						
SONM	comp=Z,1.2nm,0.5s,baz=122,slo=1.9,SNR=3.6						
SONM	comp=Z,2.9nm,1.0s,baz=340,slo=8.1,SNR=3.8						
SONM	LR	LR	02 06 56.6				
SONM	comp=Z,7um,22.0s,baz=122,slo=33						
SONM	comp=Z,14nm,1.0s						
SONM	Songino Array	97.46	318	P	P	P	01 27 06.8 +0.1
SONM	comp=Z,85nm,1.7s						
SONM	Brewton	97.48	60	Iamb	Iamb	Iamb	01 27 24.6
SONM	comp=Z,277nm,1.9s						
BRAL	Brantley	97.48	60	IAMS_20	IAMS_20	IAMS_20	02 05 06.8
BRAL	comp=Z,11um,21.0s						
ULM	Lac du Bonnet	97.59	39	P	P	P	01 27 07.9 +0.8
ULM	comp=Z,55nm,1.0s,baz=237,slo=4.5,SNR=25						
ULM	ULM	97.59	39	PP	PP	PP	01 31 00.8 -4.3
ULM	comp=Z,13nm,1.2s,baz=247,slo=7.2,SNR=3.5						
ULM	LR	LR	02 04 34.6				
ULM	comp=Z,39nm,21.5s,baz=250,slo=31						
ULM	Lac du Bonnet	97.59	39	Iamb	Iamb	Iamb	01 27 08.6
ULM	comp=Z,55nm,1.0s						
N41A	Harden Midland	97.60	50	Iamb	Iamb	Iamb	01 27 11.2
N41A	comp=Z,230nm,1.3s						
UTMT	University of	97.67	54	Iamb	Iamb	Iamb	01 27 11.8
UTMT	comp=Z,214nm,1.1s						
SPM	Marine on St.	97.75	45	Iamb	Iamb	Iamb	01 27 11.1
SPM	comp=Z,248nm,1.1s						
L40A	Anomasa	97.78	48	Iamb	Iamb	Iamb	01 27 11.8
L40A	comp=Z,325nm,1.5s						
L40A	IAMS_20	IAMS_20	02 03 52.3				
S4A	San Lorenzo	97.79	120	eP	Pdf	P	01 27 09.7 +0.8
S4A	comp=Z,17um,22.0s						
SLLA	Carbondale	97.80	53	IAMS_20	IAMS_20	IAMS_20	02 03 12.1
SLLA	comp=Z,17um,22.0s						
POPC	Popayan, Colom	97.87	90	P	P	P	01 27 08.4 -1.1
HOPE	Hope Point	97.99	156	IAMS_20	IAMS_20	IAMS_20	02 06 30.9
HOPE	comp=Z,10um,19.0s						
CZSB	Cruzeiro do S	98.09	101	eP	Pdf	P	01 27 11.7 +1.4
LRL	Lakeview Retre	98.10	58	IAMS_20	IAMS_20	IAMS_20	02 05 12.2
LRL	comp=Z,14um,22.0s						
P43A	Skaggs, Paines	98.22	51	Iamb	Iamb	Iamb	01 27 12.6
P43A	comp=Z,455nm,1.9s						
P43A	IAMS_20	IAMS_20	02 03 47.1				
WVT	Waverly	98.40	55	P	Pdf	P	01 27 11.4 +0.3
WVT	comp=Z,14um,21.0s						
WVT	Waverly	98.40	55	P	P	P	01 27 11.4 +0.3
WVT	comp=Z,49nm,1.3s						
WVT	Waverly	98.40	55	P	P	P	01 27 11.0 -0.1
WVT	comp=Z,5um,comp=Z,2um,comp=Z,35nm,2.0s						
JFWS	Jewell Farm	98.74	48	Iamb	Iamb	Iamb	01 27 15.7
JFWS	comp=Z,106nm,0.9s						
I40A	Norwalk	98.79	47	Iamb	Iamb	Iamb	01 27 15.6
I40A	comp=Z,198nm,1.1s						
I40A	IAMS_20	IAMS_20	02 04 22.9				
TIXI	Tiksi	98.80	344	LR	LR	LR	02 09 48.0
TIXI	comp=Z,7um,20.2s,baz=134,slo=34						
TIXI	Tiksi	98.80	344	P	P	P	01 27 13.4 +1.4
TIXI	comp=Z,68nm,1.3s						
TIXI	Tiksi	98.80	344	P	P	P	01 27 13.0 +1.0
Y49A	Blount Mountai	98.82	57	IAMS_20	IAMS_20	IAMS_20	02 07 57.1
Y49A	comp=Z,6um,19.0s						

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LPAZ	La Paz	99.03	111	P	Pdf	P	01 27 16.8 +1.7
LPAZ	comp=Z,16nm,1.1s,baz=248,slo=2.9,SNR=23						
LPAZ	PP	PP	01 31 15.2 -2.1				
LPAZ	comp=Z,8.2nm,1.2s,baz=236,slo=8.4,SNR=4.1						
LPAZ	PKKPbc	PKKPbc	01 43 38.5 -2.1				
LPAZ	comp=Z,3.2nm,1.0s,baz=138,slo=3.2,SNR=3.7						
LPAZ	LR	LR	02 01 30.8				
LPAZ	La Paz	99.03	111	P	Pdf	P	01 27 14.1 -1.1
LPAZ	comp=Z,20um,21.8s,baz=256,slo=29						
LPAZ	comp=Z,16nm,1.1s						
LPAZ	La Paz	99.03	111	P	Pdf	P	01 27 14.1 -1.1
LPAZ	comp=Z,86nm,1.6s						
LPAZ	La Paz	99.03	111	P	Pdf	P	01 27 16.0 +0.9
LPAZ	comp=Z,33nm,1.6s,comp=Z,2um,comp=Z,16um						
LPAZ	La Paz	99.03	111	eP	Pdf	P	01 27 15.5 +0.4
E38A	The Farm, Brus	99.03	44	Iamb	Iamb	Iamb	01 27 15.8
E38A	comp=Z,35nm,1.6s						
E38A	IAMS_20	IAMS_20	02 04 33.1				
ENCO	Enrique	99.08	131	eP	Pdf	P	01 27 15.5 +1.2
ENCO	comp=Z,15um,21.0s						
ENCO	Parque Anchore	99.08	53	Iamb	Iamb	Iamb	01 28 48.1
UNIN	University of	99.08	53	Iamb	Iamb	Iamb	01 28 48.1
UNIN	comp=Z,89nm,0.4s						
GT2A	Gaotai	99.28	309	eP	Pdf	P	01 27 15.5 +0.4
GT2A	comp=Z,19um,22.0s						
GT2A	SKS	SKS	01 37 49.1 -1.9				
GT2A	SKS	SKS	01 38 43.3 -1.3				
GT2A	SKS	SKS	01 38 43.3 -1.3				
GT2A	comp=Z,15nm,1.5s						
GT2A	comp=Z,960nm,8.3s						
GT2A	L	L					
GT2A	comp=Z,2um,20.6s						
GT2A	comp=Z,8um,24.4s						
GT2A	L	L					
GT2A	L	L					
352A	Blakely	99.31	60	IAMS_20	IAMS_20	IAMS_20	02 07 2



Table with columns for location, coordinates, and various codes. Includes entries like Stroemstad, Karmoy, Khabaz, Klovodsk, Gni, etc.

Table with columns for location, coordinates, and various codes. Includes entries like Dublin, Brix, Carrickbyrne, LMK, etc.

Table with columns for location, coordinates, and various codes. Includes entries like DPC, DPC, DPC, GHRR, CCA1, etc.





EMSC		Sb	01 17 57.9	-0.4
HAY	Hayfield	Pg	01 17 49.2	+0.1
CTW	Cottonwood Mou	Pg	01 17 49.1	0.0
CTCC	Cactus City	Pg	01 17 49.4	-0.1
CPBX	Cerro Prieto	Pg	01 17 49.5	-0.6
GORC	Green Oak Ranc	Pg	01 17 28.7	-0.3
JUEM	Julian Eagle M	Pg	01 17 52.5	-0.2
PMD	Palm Desert	Sg	01 17 52.4	-0.9
PMD	Palm Desert	Sg	01 18 04.4	-0.2
PMD	Palm Desert	IAML	01 18 05.2	
PMD	comp=N,54nm,1.1s	IAML	01 18 05.2	
MATC	Mataguay Scout	Pg	01 17 53.0	-0.6
XPFO	Pinyon Flats	Pg	01 17 53.3	-0.5
PFO	Pinyon Flats O	Pg	01 18 05.9	-1.0
PFO	Pinyon Flats O	Pg	01 17 53.2	-0.6
PFO	comp=E,432nm,0.8s	IAML	01 18 06.6	
FRD	Ford Ranch, An	Pg	01 17 53.6	-1.1
SND	J Saunders Pla	Pg	01 17 54.3	-1.0
BAR	Barrett	Pg	01 18 07.7	-0.4
BAR	Barrett	Pg	01 17 54.7	-0.7
BAR	comp=N,2um,0.5s	IAML	01 18 08.0	
TKX	Tecate	Sg	01 18 07.6	-0.6
DUZA	Dutzura	Pg	01 17 56.3	-1.1
DUZA		Pg	01 18 10.6	-1.0
PLM	Palomar	Pg	01 17 56.1	-1.5
EW2	E Wide Canyon	Pg	01 17 55.9	-1.8
ESJX	Sierra Juarez	Pg	01 18 11.5	-0.5
ESJX	Sierra Juarez	Pg	01 17 56.6	-1.4
ESJX	comp=E,536nm,0.4s	IAML	01 18 19.5	
DPP	Dos Picos Cty	Pb	01 17 55.6	-2.6
DPP	comp=N,69nm,0.7s	IAML	01 18 12.9	
BLYC	Blythe	Pb	01 17 58.3	0.0
IRM	Iron Mountain	Pb	01 17 57.8	-0.8
IRM	comp=N,330nm,0.7s	IAML	01 18 15.6	
CBX	Cerro Bola	Sb	01 18 13.6	-0.6
CBX	Cerro Bola	Pb	01 17 58.2	-0.8
CBX	Cerro Bola	IAML	01 18 16.0	
CBX	comp=N,2um,0.5s	IAML	01 18 16.7	
VG2	Vista Grande	Pn	01 18 00.3	+0.1
SDMC	San Diego Miss	Sb	01 18 17.9	-0.4
TJX	Tijuana	Pn	01 18 18.3	-0.3
TJX	Tijuana	Pn	01 18 00.8	-0.6
TJX	Tijuana	IAML	01 18 19.8	
TJX	comp=N,4um,0.7s	IAML	01 18 27.4	
GORC	Green Oak Ranc	Pn	01 18 01.9	+0.2
CCX	Cicese	Pn	01 18 02.5	-1.0
DANC	Danby, Needles	Pn	01 18 04.9	+0.3
113A	Mohawk Valley,	Pn	01 18 04.2	-0.4
ELS	Elsinore Mount	Pn	01 18 05.1	-0.3
VTX	Valle De La Tr	Pn	01 18 04.5	-1.6
CFSC	Central Fire S	Sn	01 18 28.9	-0.2
BFSC	Mount Baldy Ra	Pn	01 18 10.8	-0.8
Y14A	Wickenburg	Pn	01 18 15.0	-0.2
MWC	Mount Wilson	Pn	01 18 15.3	-0.1
MWC	comp=E,94nm,0.8s	IAML	01 18 58.5	
MWC	comp=N,88nm,0.9s	IAML	01 19 06.5	
PASC	Pasadena Art C	Pn	01 18 16.5	+0.3
DJL	Donna J Jenkin	Pn	01 18 16.2	-0.9
LRMC	Laurel Mtn Rad	Pn	01 18 23.6	-0.2

PAS 01 01:20:50.2±0.8, 33°06'2N±0.006°-115°58'8W±0.010, h1km, 3km, Error ellipse: s-maj=1.2km s-min=0.9km az=92.0

NEIC 01 01:20:49.8±0.9, 33°05'7N±0.008°-115°59'W±0.01, h5km, 1km, ML2.8/30, ML2.4/27(PAS), Error ellipse: s-maj=2.7km s-min=1.5km az=253.0, Southern California

Code	Station Name	Δ° AZ°	Phase ID	Time Res
			Op	h m s ISC
CL12	Calipatria 2	0.06 5	Pg	01 20 52.2 +0.9
IMPE	Imperial	0.16 172	Pg	01 20 54.2 +1.3
SWSC	Sam W. Stewart	0.21 238	Pg	01 20 54.9 +0.8
WIS	Wister	0.22 359	Pg	01 20 55.0 +0.9
SNR	Schaffner Ranc	0.23 147	Pg	01 20 55.6 +1.3
COK2	Cook Ranch 2	0.24 210	Pg	01 20 55.7 +1.2
SLVP	Salvation Pass	0.30 53	Pg	01 20 56.0 +0.4
WESC	Westside Schoo	0.32 202	Sg	01 20 57.0 +0.8
BOMB	Bombay Beach	0.33 339	Pg	01 20 57.0 +1.0
FRK	Frink	0.35 353	Pg	01 20 56.9 +0.3
FRK	Frink		Pg	01 21 02.1 +1.0
CRR	Carrizo Plain	0.36 242	Pg	01 20 57.3 +0.4
SALN	Salton City	0.40 304	Pg	01 20 58.2 +0.6
SALN	Salton City		Sg	01 21 04.4 +1.5
SALN	comp=N,1um,0.4s	IAML	01 21 06.3	
SALN	comp=E,1um,0.4s	IAML	01 21 06.9	
SGL	Mount Signal	0.42 196	Pg	01 20 58.4 +0.5
SGL			Pg	01 21 04.6 +1.1
COA	Coachella	0.43 116	Pg	01 20 59.0 +0.8
YUH	Yuha Desert	0.50 215	Pg	01 20 59.7 +0.3
YUH			Pg	01 21 06.6 +0.8
RUN	Ruthven	0.52 99	Pg	01 21 01.0 +0.3
RUN			Pg	01 21 07.7 +1.1
EMSC	East Mesa	0.60 122	Pg	01 21 01.8 +0.5
IKP	In-Ko-Pah, Jac	0.60 227	Pg	01 21 01.5 +0.1
BC3	Big Chuckawall	0.61 11	Pg	01 21 10.4 +1.0
BC3	Big Chuckawall	0.61 11	Pg	01 21 01.8 +0.3
RMX	Hayfield	0.65 353	Pg	01 21 02.3 +0.7
HAY	Hayfield		Pg	01 21 02.7 +0.3
CTW	Cottonwood Mou	0.66 339	Pg	01 21 02.5 -0.1
CPBX	Cerro Prieto	0.68 159	Pg	01 21 03.1 +0.3
BORC	Borrego Spring	0.73 287	Pg	01 21 03.2 -0.6
PMD	Palm Desert	0.88 312	Pg	01 21 06.8 -0.8
MATG	Mataguay Scout	0.89 275	Pg	01 21 06.8 -0.3
XPFO	Pinyon Flats	0.91 307	Pg	01 21 06.6 -0.7
XPFO			Pg	01 21 18.7 -0.5
PFO	Pinyon Flats O	0.92 307	Pg	01 21 06.6 -0.9
PFO			Pg	01 21 19.9 -0.3
PFO	Pinyon Flats O	0.92 307	Pg	01 21 06.6 -1.1
PFO	comp=E,165nm,0.6s	IAML	01 21 39.2	
PFO	comp=E,191nm,0.5s	IAML	01 21 40.0	
BAR	Barrett	0.99 248	Pg	01 21 08.5 -0.3
BAR	Barrett	0.99 248	Pg	01 21 08.2 -0.5
BAR	comp=N,361nm,0.3s	IAML	01 21 41.2	
BAR	comp=E,234nm,0.2s	IAML	01 21 41.6	
SND	J Saunders Pla	0.99 300	Pg	01 21 21.5 -0.2
BELC	Belle Mtn. Jos	1.00 340	Pg	01 21 08.2 -0.9
DNR	Dunn Ranch,Anz	1.00 300	Pg	01 21 08.5 -0.7
ESJX	Sierra Juarez	1.09 196	Pg	01 21 10.1 -0.7
DUZA	Dutzura	1.10 246	Pg	01 21 09.3 -0.6
DUZA			Pg	01 21 24.2 -0.9
PLM	Palomar	1.11 286	Pg	01 21 25.4 -0.1
BLYC	Blythe	1.13 52	Pg	01 21 11.8 +0.1
BLYC	Blythe	1.13 52	Pg	01 21 11.6 +0.1
DPP	Dos Picos Cty	1.14 267	Pg	01 21 11.1 -0.6
DPP	comp=E,288nm,0.3s	IAML	01 21 46.0	
CBX	Cerro Bola	1.17 231	Pg	01 21 11.6 -0.7
CBX	comp=E,268nm,0.6s	IAML	01 21 35.0	

Code	Station Name	Δ° AZ°	Phase ID	Time Res
			Op	h m s ISC
CBX	comp=N,304nm,0.9s	IAML	01 21 53.2	
TJX	Tijuana	1.35 247	Pn	01 21 15.2 -0.1
MWC	Mount Wilson	2.37 300	IAML	01 22 29.7
MWC	comp=E,569m,0.8s	IAML	01 22 30.9	
MWC	comp=N,57nm,1.5s	IAML	01 22 30.9	
PAS	01 01:21:09.9±0.9, 33°05'9N±0.008°-115°60'W±0.01, h7km, 2km, Error ellipse: s-maj=1.3km s-min=1.1km az=92.0			
NEIC	01 01:21:09.6±1.0, 33°05'8N±0.009°-115°59'W±0.004, h10km, 1km, ML2.9/58, ML2.8/26(PAS), Error ellipse: s-maj=2.7km s-min=1.5km az=68.0, Southern California			
Code	Station Name	Δ° AZ°	Phase ID	Time Res
			Op	h m s ISC
WEMD	Westmorland, C	0.02 150	Pg	01 21 11.3 -0.1
WEMD			Pg	01 21 13.4 +0.8
CL12	Calipatria 2	0.07 11	Pg	01 21 12.0 +0.2
CL12			Pg	01 21 14.7 +1.4
OBBS	Obsidian Butte	0.12 342	Pg	01 21 12.9 +0.5
OBBS			Pg	01 21 15.1 +0.7
IMPE	Imperial	0.16 170	Pg	01 21 13.9 +0.8
IMPE			Pg	01 21 17.4 +1.9
ERRC	Elmore Ranch	0.20 287	Pg	01 21 18.6 +1.9
ERRC			Pg	01 21 16.6 +1.9
SWSC	Sam W. Stewart	0.21 237	Pg	01 21 14.0 +0.1
SWSC			Pg	01 21 17.2 +0.4
SUP	Superstition M	0.22 242	Pg	01 21 14.3 +0.1
SUP			Pg	01 21 17.6 +0.4
WIS	Wister	0.22 0	Pg	01 21 14.5 +0.4
WIS			Pg	01 21 18.6 +1.4
COK2	Cook Ranch 2	0.23 209	Pg	01 21 15.5 +0.1
SLVP	Salvation Pass	0.30 53	Pg	01 21 15.7 0.0
SLVP			Pg	01 21 19.9 +0.7
SZ71	Bombay Beach	0.32 339	Sb	01 21 16.1 +0.2
SZ71			Sb	01 21 22.2 -0.4
WESC	Westside Schoo	0.32 201	Pg	01 21 16.6 +0.6
WESC			Pg	01 21 21.1 +0.8
BOMB	Bombay Beach	0.33 340	Pg	01 21 16.6 +0.5
BOMB			Pg	01 21 22.4 -0.4
SCMB			Pg	01 21 16.6 0.0
FRK	Frink	0.35 354	Pg	01 21 16.6 0.0
FRK			Pg	01 21 21.6 +0.5
CRR	Carrizo Plain	0.36 242	Pg	01 21 16.9 +0.2
CRR			Pg	01 21 21.7 +0.3
SALN	Salton City	0.40 304	Pg	01 21 23.6 +0.9
SALN	Salton City	0.40 304	Pg	01 21 17.1 -0.4
SALN	comp=N,3um,0.4s	IAML	01 21 26.0	
SALN	comp=E,3um,0.4s	IAML	01 21 26.5	
SGL	Mount Signal	0.42 195	Pg	01 21 18.0 +0.1
SGL			Pg	01 21 24.2 +0.7
COA	Coachella	0.44 116	Pg	01 21 18.6 +0.4
COA			Pg	01 21 25.8 -0.3
YUH	Yuha Desert	0.49 214	Pg	01 21 19.2 0.0
YUH	Yuha Desert	0.49 214	Pg	01 21 26.0 +0.2
BRGC	Borrego Mounta	0.50 283	Pg	01 21 19.4 +0.8
BRGC			Pg	01 21 26.8 +0.9
RUN	Ruthven	0.53 99	Pg	01 21 19.7 -0.1
RUN			Pg	01 21 27.1 +0.3
IKP	In-Ko-Pah, Jac	0.59 227	Pg	01 21 21.3 +0.1
IKP			Pg	01 21 29.0 +0.7
EMSC	East Mesa	0.60 122	Pg	01 21 21.4 +0.1
EMSC			Pg	01 21 30.4 -0.4
BC3	Big Chuckawall	0.61 11	Pg	01 21 21.6 +0.2
BC3			Pg	01 21 29.7 +0.2
BC3	Big Chuckawall	0.61 11	IAML	01 21 30.3
BC3	comp=E,590nm,0.5s	IAML	01 21 31.9	
RMX	La Rumorosa	0.61 222	Pg	01 21 21.8 +0.4
RMX			Pg	01 21 30.1 +0.6
HAY	Hayfield	0.65 353	Pg	01 21 22.1 -0.2
HAY			Pg	01 21 31.2 +0.3
CTW	Cottonwood Mou	0.66 340	Pg	01 21 22.1 -0.4
CTW			Pg	01 21 31.7 +0.6
CTCC	Cactus City	0.68 331	Pg	01 21 22.3 -0.5
CTCC			Pg	01 21 32.0 +0.3
BORC	Borrego Spring	0.72 287	Pg	01 21 23.2 -0.3
BORC			Pg	01 21 33.8
BORC	comp=E,254nm,0.4s	IAML	01 21 33.8	
BORC	Borrego Spring	0.72 287	Sg	01 21 32.6 -0.3
JUEM	Julian Eagle M	0.84 272	Pg	01 21 32.6 -0.3
JUEM			Pg	01 21 36.5 -0.3
PMD	Palm Desert	0.88 312	Pg	01 21 37.1 -1.0
PMD	Palm Desert	0.88 312	Pg	01 21 25.7 -0.9
PMD	comp=E,407nm,0.4s	IAML	01 21 38.6	
PMD	comp=N,235nm,0.5s	IAML	01 21 39.3	
PMD	Palm Desert	0.88 312	Pg	01 21 26.4 -0.2
MATC	Mataguay Scout	0.89 279	Pg	01 21 26.4 -0.5
MATC			Pg	01 21 38.1 -0.5
XPFO	Pinyon Flats	0.91 308	Pg	01 21 26.4 -0.8
XPFO			Pg	01 21 38.2 -0.7
PFO	Pinyon Flats O	0.91 308	Pg	01 21 26.2 -0.9
PFO			Pg	01 21 38.2 -0.7
PFO	Ford Ranch, An	0.95 298	Pg	01 21 38.4 -0.8
FRD	Ford Ranch, An	0.95 298	Pg	01 21 39.7 -0.6
BAR	Barrett	0.98 248	Pg	01 21 27.9 -0.6
SND	J Saunders Pla	0.98 300	Pg	01 21 27.8 -0.8
BZNA	Buzz No.'s Pla	1.00 296	Pg	01 21 28.3 -0.5
BZNA			Pg	01 21 40.9 -1.0
BELC	Belle Mtn. Jos	1.00 340	Pg	01 21 11.0 -0.9
BELC	Belle Mtn. Jos	1.00 340	Pg	01 21 28.1 -0.7
BELC	Belle Mtn. Jos	1.00 340	IAML	01 21 42.4
DNR	Dunn Ranch,Anz	1.00 301	Pg	01 21 28.6 -0.4
EML	El Monte City P	1.06 261	Pg	01 21 29.2 -0.9
EML			Pg	01 21 43.1 -0.8
DUZA	Dutzura	1.09 246	Pg	01 21 29.5 -1.1
ESJX	Sierra Juarez	1.09 196	Pg	01 21 29.5 -1.1
ESJX			Pg	01 21 44.2 -0.6
ESJX	Sierra Juarez	1.09 196	IAML	01 21 45.5
PLM	Palomar	1.10 286	Pg	01 21 29.2 -1.6
EW2	E Wide Canyon	1.11 323	Pg	01 21 29.6 -1.4
BLYC	Blythe	1		





IDC 01 02:11:49.9,54.0, 19:93S; 177:52W, h0km, mb3.8/3, mbmp3.8/3, MS4.3/1, Error ellipse: s-maj=995.9km s-min=173.3km az=82.0

ISC 01 02:11:22.9,0.7,21:4S,0.2x173.2W:0.2,h10km,n18, r158/18,mb4.1/10,Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include NIUE Niue, AFU Afiamalu, NNZ Nelson, MLZ Mavora Lakes, STKA Stephens Creek, ASAR Alice Springs, WRA Warramunga Arr, WB0 Warramunga Arr, WRA Warramunga Arr, VNA Vanda, NWAO Narogin (SRO), QSPA South Pole Qui, FOR Ford Ord Natur, SALL Salton City.

IDC 01 02:38:41.3e1.0, 57:87S;25:59W, h0km, mb4.0/5, mbmp4.0/5, Error ellipse: s-maj=35.5km s-min=27.5km az=83.0

NEIC 01 02:38:48.4,0.9,57:79S;0:08:25:7W:0.3,h48km,9km, mb4.5/12, Error ellipse: s-maj=24.1km s-min=6.6km az=68.0

ISC 01 02:38:48.1,0.6,57:9S;0:1:25:7W:0.1,h49km,n30, r15/24,mb4.3/9,3C,South Sandwich Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include VNA1 Neumayer-Stat, VNA3 Neumayer Olymp, SNAA Sanae, QSPA South Pole Qui, PLCA Paso Flores, LL07 Hotel Espejo d, MAW Mawson, MAW Mawson, CO01 Juntas del Rio, VNA Vanda, BDBF Brasilia, BDBF Brasilia, H04S2 CROZET ISLANDS, H04S1 CROZET ISLANDS, H10N1 ASCENSION HYDR50.69, H10N3 ASCENSION HYDR50.69, H10N2 ASCENSION HYDR50.71, LPAZ La Paz, LPAZ La Paz, MACA Manacapurua-AM, BOAV Boa Vista, TORD Torodi Ar. Bea, FINES FINESS Arr, YKA Yellowknife Ar, ILAR Eielson Array.

IDC 01 02:39:29.9,3.8, 8:97N;126:54E, h0km, mb3.6/3, mbmp3.6/3, MS4.2/1, Error ellipse: s-maj=302.9km s-min=29.6km az=66.0

MAN 01 02:39:35.0, 9:19N;126:67E, h7km, MS3.4

ISC 01 02:39:31.2, 0.9, 05N;0:05:126:92E:0:08,h8km,n11km, n15,r1938/22,mb3.5/3,Mindanao

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include TSSP Tandag City, BIPH Bislig, CDOP Cateel, DAVAO Davao, BUKP Musuan, CGP Cagayan de Oro, DMPH Davao City-Mi, KCP Kidapawan, PLP Palo, DDMP Don Marcelino, LLAP Lapu-Lapu, DCPH Dipolog City, KRVT Keravat (AS076), WRA Warramunga Arr, ASAR Alice Springs.

0.3nm,0.6s,baz=352,slow=7.4,SNR=4.2 0.3nm,0.6s 0.9nm,0.8s,baz=120,slow=7.4,SNR=4.0 0.9nm,0.8s

MKAR Makanchi Array 53.38 323 P P 02 48 50.1 -1.3 IDC 01 02:39:44.4,0.9, 19:32S;174:60W, h0km, mb4.0/7, mbmp4.0/8, ML3.7/1, Error ellipse: s-maj=32.4km s-min=19.2km az=125.0

NEIC 01 02:39:48.8, 1.8, 19:4S;0:1:174:00W:0:04,h35km,2km, mb4.4/18, Error ellipse: s-maj=18.8km s-min=5.9km az=70.0

ISC 01 02:39:48.8, 0.6, 19:12S;0:08:174:04W:0:08,h56km,n40, r1548/34,mb4.3/14,Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include NIUE Niue, AFU Afiamalu, AFI Afiamalu, MSVF Nonsavu, MSVF Ouen Island, DZM Mont Dzumac, URZ Urewera, TOZ Tahuroa Road, BFZ Birch Farm, QRZ Quartz Range, DSZ Denniston North, LTZ Lake Taylor, FOZ Fox Glacier, CTAO Charters Tower, MCQ Macquarie Is, STKA Stephens Creek, BBOO Buckleboe, WRR Warramunga Arr, AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, WRA Warramunga Arr, WRA Warramunga Arr, VNA Vanda, QSPA South Pole Qui, QSPA South Pole Qui, TXAR Lajitas Array, TXAR Lajitas Array, H03S2 Juan Fernandez, H03S1 Juan Fernandez, H03N2 Juan Fernandez, H03N1 Juan Fernandez, MAW Mawson, MAW Mawson, BRTR Keskin Array B, GERES GERES Array B, GERES GERES Array B.

IDC 01 02:42:44.2, 2.0, 20:1S;0:2x177:83W:0:08,h40km,7km, mb4.2/27, Error ellipse: s-maj=22.4km s-min=10.1km az=73.0

IDC 01 02:42:46.0, 2.3, 19:84S;177:99W, h431km,23km, mb3.6/9, mbmp4.3/11, Error ellipse: s-maj=20.8km s-min=15.5km az=97.0

ISC 01 02:42:43.1, 0.6, 20:0S;0:1:177:83W:0:08,h40km,n55, r107/54,mb4.1/26,3C,Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MSVF Nonsavu, MSVF Nonsavu, NIUE Niue, AFU Afiamalu, MARNC Mare, Loyalty, PINNC Pines Island, DZM Mont Dzumac, BFZ Birch Farm, QRZ Quartz Range, NNZ Nelson, NNZ Nelson, WHZ Denniston North, WHZ Wether Hill Ro, EIDS Eidsvold, EIDS Eidsvold, ARMA Armidale, ARMA Armidale, CTAO Charters Tower, CTAO Charters Tower, PMG Port Moresby, PMG Port Moresby, TOO Toolangi, STKA Stephens Creek, INKA Innaminka, INKA Innaminka, BBOO Buckleboe, WRR Warramunga Arr, WRR WRR, AS31 Alice Springs, ASAR Alice Springs.

IDC 01 03:08:44.0, 9:44N;127:06E, h2km, MS3.8

IDC 01 03:08:45.4, 1.7, 9:49N;126:81E, h0km, mb3.8/7, mbmp3.8/7, MS3.9/1, Error ellipse: s-maj=188.1km s-min=21.0km az=69.0

NEIC 01 03:08:46.0, 9:97N;0:1:127:20E:0:09,h10km,1km, mb4.4/16, Error ellipse: s-maj=27.5km s-min=6.2km az=209.0

ISC 01 03:08:45.5, 1.8, 9:43N;0:04:126:98E:0:06,h5km,n11km, n49,r1545/54,mb4.2/15,Mindanao

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include TSSP Tandag City, BIPH Bislig, CDOP Cateel, DAVAO Davao, BUKP Musuan, CGP Cagayan de Oro, PLP Palo, DMPH Davao City-Mi, KCP Kidapawan, TBP Tagbiliran, LLLP Lapu-Lapu, CTBH Cotabato-PC H, DDMP Don Marcelino, DCPH Dipolog City, SNPH Sibulan, SBU Sibu, KNRA Kununurra, KNRA Kununurra.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include ASAR Alice Springs, WB0 Warramunga Arr, WRAB Tennant Creek, WRA Warramunga Arr, WRA Warramunga Arr, WTR Manton Dam, WRT Forrest, KNRA Kununurra, KNRA Kununurra, FITZ Fitzroy Crossi, MBWA Marble Bar, VNA Vanda, VNA Vanda, MORW Morawa, GIRL Giralia, CASY Casey, MJAR Matsushiro Arr, GSPA South Pole Qui, GSPA South Pole Qui, PETK Petropavlovsk, TXAR Lajitas Array, TXAR Lajitas Array, ILAR Eielson Array, VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, VNA1 Neumayer-Watz, BRTR Keskin Array B, BRTR Keskin Array B, MLR Muntele Rosu, GERES GERES Array B, GERES GERES Array B, TORD Torodi Ar. Bea, TORD Torodi Ar. Bea.

IDC 01 02:55:35.8, 4.7, 4:69S;102:25E, h0km, mb3.7/5, mbmp3.7/5, Error ellipse: s-maj=214.3km s-min=21.4km az=54.0

DJA 01 02:55:44.6, 0.7, 5:4S;4:1, 4:65S;0:1:102:5E:0:1,h56km,n16, r065/13,mb3.5/5,Southern Sumatera

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MNAI Manna, MNAI Manna, UBISI University, Be, UBISI University, Be, KAPAHING Kapahiang, MASI Maura Aman, Be, CMAR Chiang Mai Arr, H01W3 Cape Leeuwin H, H01W2 Cape Leeuwin H, H01W1 Cape Leeuwin H, WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, ZALV Zalesovo Beam, H04N2 CROZET ISLANDS, H04N1 CROZET ISLANDS, H04N3 CROZET ISLANDS, TXAR Lajitas Array.

MAN 01 03:08:44.0, 9:44N;127:06E, h2km, MS3.8

IDC 01 03:08:45.4, 1.7, 9:49N;126:81E, h0km, mb3.8/7, mbmp3.8/7, MS3.9/1, Error ellipse: s-maj=188.1km s-min=21.0km az=69.0

NEIC 01 03:08:46.0, 9:97N;0:1:127:20E:0:09,h10km,1km, mb4.4/16, Error ellipse: s-maj=27.5km s-min=6.2km az=209.0

ISC 01 03:08:45.5, 1.8, 9:43N;0:04:126:98E:0:06,h5km,n11km, n49,r1545/54,mb4.2/15,Mindanao

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include TSSP Tandag City, BIPH Bislig, CDOP Cateel, DAVAO Davao, BUKP Musuan, CGP Cagayan de Oro, PLP Palo, DMPH Davao City-Mi, KCP Kidapawan, TBP Tagbiliran, LLLP Lapu-Lapu, CTBH Cotabato-PC H, DDMP Don Marcelino, DCPH Dipolog City, SNPH Sibulan, SBU Sibu, KNRA Kununurra, KNRA Kununurra.



Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like HMTX, TJX, GORC, RAY, BBSC, etc.

PAS 01 03:37:04.4±1.6, 33.052N±0.007, 115.58W±0.01, h9km, 3km, Error ellipse: s-maj=1.6km s-min=1.0km az=77.0

NEIC 01 03:37:04.2±1.4, 33.066N±0.011, 115.59W±0.011, h11km, 3km, ML3.8/28, ML4.0/6(PAS), Error ellipse: s-maj=1.9km s-min=1.6km az=48.0, Southern California

Table with columns: Code, Station Name, Az, Phase ID, Op, Time, Res, ISC, h, m, s, ISC. Includes stations like WEMD, OBB, ERRC, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like BLYC, BLYC, DDP, etc.

MAN 01 03:37:18.0, 9.03N±127.00E, h1km, MS3.2, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Op, Time, Res, ISC, h, m, s, ISC. Includes stations like TSSP, BIPH, etc.

PAS 01 03:37:54.0±0.8, 33.041N±0.008, 115.59W±0.01, h4km, 2km, Error ellipse: s-maj=1.5km s-min=1.1km az=121.0

NEIC 01 03:37:54.0±0.9, 33.039N±0.008, 115.597W±0.010, h8km, 4km, ML3.1/18, ML3.5/6(PAS), Error ellipse: s-maj=1.3km s-min=1.2km az=81.0, Southern California

Table with columns: Code, Station Name, Az, Phase ID, Op, Time, Res, ISC, h, m, s, ISC. Includes stations like WEMD, OBB, SWSC, etc.

PAS 01 03:38:28.6±0.9, 33.065N±0.006, 115.592W±0.009, h5km, 1km, Error ellipse: s-maj=1.0km s-min=1.0km az=84.0

NEIC 01 03:38:28.3±1.1, 33.074N±0.007, 115.577W±0.006, h7km, 1km, ML3.1/36, ML3.4/4(PAS), Error ellipse: s-maj=1.1km s-min=0.7km az=147.0, Southern California

Table with columns: Code, Station Name, Az, Phase ID, Op, Time, Res, ISC, h, m, s, ISC. Includes stations like WEMD, OBB, ERRC, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like EMSC, IKP, CPBX, etc.

PAS 01 03:38:39.1±1.6, 33.049N±0.004, 115.61W±0.01, h0km, 1km, Error ellipse: s-maj=1.4km s-min=0.4km az=113.0

NEIC 01 03:38:39.2±1.4, 33.064N±0.005, 115.625W±0.010, h5km, 1km, ML2.9/28, ML3.0/6(PAS), Error ellipse: s-maj=2.2km s-min=1.5km az=115.0, Southern California

Table with columns: Code, Station Name, Az, Phase ID, Op, Time, Res, ISC, h, m, s, ISC. Includes stations like WEMD, OBB, IMPE, etc.

IDC 01 03:38:57.2±2.3, 4.20N±127.08E, h0km, mb3.7/4, mbmt3.7/4, Error ellipse: s-maj=21.8km s-min=22.4km az=67.0, Talaud Islands

Table with columns: Code, Station Name, Az, Phase ID, Op, Time, Res, ISC, h, m, s, ISC. Includes stations like DDMP, WRA, ASAR, etc.

PAS 01 03:40:16.3±1.1, 33.071N±0.002, 115.596W±0.010, h5km, 2km, Error ellipse: s-maj=1.1km s-min=0.2km az=92.0

NEIC 01 03:40:16.2±1.1, 33.074N±0.006, 115.614W±0.009, h5km, ML3.5/28, ML3.7/84(PAS), Error ellipse: s-maj=1.4km s-min=1.2km az=172.0, Southern California

Table with columns: Code, Station Name, Az, Phase ID, Op, Time, Res, ISC, h, m, s, ISC. Includes stations like WEMD, OBB, ERRC, etc.

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Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like COK2 Cook Ranch 2, SNR Schaffner Ranc, BOMB Bombay Beach, etc.

IDC 01 03:40:44.7-0.6, 19.29S; 174.39W, h0km, mb4, 1/14, mbmp4.1/15, ML4.2/1, Error ellipse: s-maj=25.7km s-min=15.7km az=128.0

NEIC 01 03:40:50.4-0.9, 19.4S; 0.1:174.2W, 0.1, h35km, 1km, mb4, 7/45, Error ellipse: s-maj=21.9km s-min=17.1km az=137.0

ISC 01 03:40:49.9-0.5, 19.41S; 0.09:174.2W, 0.1, h35km, n83, 0:95/79, mb4.5/33, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like NIUE Niue, AFI Afiamalu, MSFV Nonsavu, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like VVDA Vanda, GSPA South Pole Qui, QSPA South Pole Qui, etc.

RSNC 01 03:51:06.8-0.0, 1.1N; 4.7:8W, h9km, 4km, M3.5, mb4.6, mb4.3, ML3.0, Mw(mb)3.8

CATAC 01 03:51:09.0-0.3, 1.1N; 3.7:8W, h1km, M4.0/10, mb4.3/3, ML3.8/10, Error ellipse: s-maj=7.7km s-min=3.1km az=137.7, confirmed

IDC 01 03:51:11.6-1.1, 0.77N; 0.03:77.96W, h0km, mb3.5/3, mbmp3.6/5, ML3.1/2, Error ellipse: s-maj=29.6km s-min=22.2km az=58.0

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like YL31 YL31, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like IMBA Cuicocha Este, CUSE Otavalo, OTAV Otavalo, etc.

UPA 01 03:54:44.7-0.8, 6.44N; 78.52W, h28km, 143km, ML3.2, MW2.5, Presumed earthquake

RSNC 01 03:54:47.3-0.0, 7.1N; 42.7:8W, 4.2, h100km, 25km, ML1.8, ISC 01 03:54:41.8-1.4, 6.46N; 0.10:78.48W; 0.06, h10km, n9, 1:43/17, South of Panama

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like AZU Azuro, AZU Azuro, AZU Chitre, etc.

SJA 01 04:07:02.0-0.8, 21.01S; 66.78W, h232km, 8km, ML3.7, 1:13/4

NEIC 01 04:07:07.6-1.5, 21.03S; 0.07:66.95W, 0.05, h254km, 9km, mb4, 1/10, Error ellipse: s-maj=10.4km s-min=5.3km az=158.0

IDC 01 04:07:09.3-3.4, 20.76S; 66.75W, h265km, 4.1km, mb3.3/2, mbmp3.9/4, Error ellipse: s-maj=46.0km s-min=32.8km az=144.0

ISC 01 04:07:06.8-0.6, 21.00S; 0.04:66.89W, 0.05, h250km, n49, 1:175/60, Southern Bolivia

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like YJA Yavi, YJA San Pedro de A, etc.

Table with 6 columns: Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like CZSB, ML02, CP5B, BDFB, MACA, etc.

JMA 01 04:09:45.5:0.1,38.2N;0.2:144.8E;0.6,h29km;1.1km, MV3.7/29,FAR E OFF NORTH HONSHU,Off east coast of Honshu

IDC 01 04:14:53.0:1.7,9.33N;127.06E,h0km,mb3.7/6, mbtmp3.7/6,MS3.8/1, Error ellipse: s-maj=166.1km s-min=22.5km az=69.0

NEIC 01 04:14:54.4:0.7,9.37N;0.06x127.2E;0.1,h10km;1km, mb4.3/18, Error ellipse: s-maj=20.1km s-min=6.7km az=67.0

MAN 01 04:14:56.0:9.27N;126.86E,h6km,MS3.5, ISC 01 04:14:53.4:2.0,9.29N;0.05x127.04E;0.06,h5km;1.1km, n44.,e168/52,mb4.2/16, Philippine Islands region

Main table of seismic events with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like TSSP, BIPH, BDFB, MACA, etc.

LDG 01 04:22:35.7:0.1,42.88N;1.47W,h2km,Md2.5/2,Ml2.4/9, Error ellipse: s-maj=2.0km s-min=1.7km az=131.0

MDD 01 04:22:36.2:0.2,42.82N;1.46W,h0km,mb.2/2,2/40, Error ellipse: s-maj=1.7km s-min=1.1km az=177.0

ISC 01 04:22:34.3:1.0,42.89N;0.02x1.46W;0.02,h6km;0.8km,n23.,e124/53,Pyrenees

Table with 6 columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like EARA, SJPF, EALK, etc.

Table with 6 columns: Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like ECHI, EPP, EPP, LANL, etc.

IDC 01 04:24:31.9:31.0,8.76N;104.95W,h0km,mb3.1/3, mbtmp3.2/3, Error ellipse: s-maj=865.4km s-min=110.2km az=121.0, Northern East Pacific Rise

Table with 6 columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like TXAR, PDAR, ILAR, etc.

LDG 01 04:44:35.8:0.5,42.88N;1.49W,h2km,Md1.7/2,Ml1.9/3, Error ellipse: s-maj=7.8km s-min=4.8km az=54.0, Pyrenees

Table with 6 columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like SJPF, ETSF, EPP, etc.

MDD 01 04:45:01.2:0.4,42.83N;1.47W,h0km,mb.Lg1.6/8, Error ellipse: s-maj=3.4km s-min=2.4km az=13.0, Pyrenees

Table with 6 columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like EARA, EALK, ECHI, etc.

IDC 01 05:04:12.4:9.3,18.48S;176.46W,h0km,mb3.6/3, mbtmp3.6/3, Error ellipse: s-maj=409.7km s-min=39.6km az=143.0, Fiji Islands region

Table with 6 columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like WRA, ASAR, ILAR, etc.

CATAC 01 05:12:0.8:0.4,13.3N;3.8W,h31km;3km,MS3.5/25, MLV3.5/25, Error ellipse: s-maj=5.9km s-min=2.7km az=25.8, confirmed

SNET 01 05:12:11.0:0.8,13.01N;89.17W,h53km;10km,ML3.4, Presumed earthquake

GCG 01 05:12:12.3:1.0,13.06N;89.38W,h54km;14km,MD3.7, Presumed earthquake

ISC 01 05:12:11.2:1.7,12.99N;0.09x89.20W;0.04,h53km;14km,n67.,e944/96,21C-1D,Off coast of central America

Table with 6 columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like LALI, LALI, LALI, etc.

Table with 6 columns: Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like LALI, PANCS, LFRFS, etc.

JMA 01 05:14:48.9:0.1,23.5N;0.6:122.0E;0.9,h51km;4km, MV3.2/14,TAIWAN REGION

TAP 01 05:14:49.8,23.45N;122.00E,h40km,ML3.6,C ISC 01 05:14:48.5:1.1,23.44N;0.02x122.03E;0.02,h20km;5km, MV3.89,e98/35,2D,Taiwan region

Table with 6 columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like TEGC, ECBN, SHOUFENG, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Ninganchiao, WVDT, EOS3, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Chiayi, Lan-yu, Zhanghua, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like RAR, MARC, PINNC, etc.

ADC 01 05:21:45.6±1.3, 19.355±174.80W, h0km, mb4.0, 4.0, mbmp4,0.5,ML3.6/1, Error ellipse: s-maj=41.9km

NEIC 01 05:21:47.1±1.4, 19.65±174.00W, h0km, h35km, 2km, mb4.2/1, Error ellipse: s-maj=19.4km s-min=11.0km az=29.0

ISC 01 05:21:45.8±0.7, 19.425±0.09x173.91W±0.06, h32km, n28, ±2.09/22, mb4.1/7, Tongz Islands

MDD 01 05:27:18.0±1.0, 36.59N±9.73W, h19km, 4km, mb, Lg2.6/6, Error ellipse: s-maj=7.5km s-min=5.5km az=86.0

IGIL 01 05:27:18.7, 36.63N±9.76W, h16km, ML1.4, CTMO 01 05:27:19.2±1.4, 36.65N±9.73W, h16±9.2km, Error ellipse: s-maj=6.6km s-min=5.6km az=46.0

#DIST\_RANGE: LOCAL #IPMA\_REGION: SW Cabo S.Vicente CNRM 01 05:27:19.1, 36.45N±9.50W, h56km, ML1.9

ISC 01 05:27:13.6±1.5, 36.51N±0.03±9.84W±0.07, h10km, n36, ±2.03/63, West of Gibraltar

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Vila Bisbo, Sao Teotonio, Barranco-do-Ve, etc.



Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like ECAB, ZHG, EADA, etc.

SJA 01 05:30:15.0:0.0, 2.2:12S:65.95W, h247km, 5km, ML4.3, MW3.9

IDC 01 05:30:17.6:1.4, 2.2:56S:66:22W, h239km, 16km, mb3.6/3, mbmp4.0/9, Error ellipse: s-maj=1.3km s-min=14.0km az=100.0

NEIC 01 05:30:18.7:1.1, 2.2:55S:0:07:66:32W:0:08, h250km, 8km, mb4.5/13, Error ellipse: s-maj=11.3km s-min=10.0km az=80.0

VAO 01 05:30:18.4:0.0, 2.2:47S:66:30W, h255km, mb4.1, Presumed earthquake

ISC 01 05:30:17.9:0.6, 2.2:52S:0:04:66:27W:0:04, h245km, 6km, n11.1, r153/135, mb4.1/5, July Province

Main table of seismic stations with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists numerous stations like YJA, HJA, SALTA, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like BO01, BO02, GO05, etc.

SNDS comp=Z,14nm,1.4s 17.81 56 eP P 05 34 08.1 +0.2

VAO comp=Z,1.9nm,0.7s 17.81 95 eP P 05 34 16.2 -0.2

CANS Sao Roque de M 18.64 87 eP P 05 34 19.0 +1.1

ITTB Itaituba 20.73 31 eP P 05 34 39.1 -1.0

GO08 Villa O'Higin 26.37 189 P P 05 35 31.7 +0.1

GO08 comp=Z,2.1nm,0.5s 26.37 189 P P 05 35 31.7 +0.1

QSPA comp=Z,2.2nm,0.5s 67.68 180 P P 05 40 49.5 +1.0

ESDC comp=Z,1.0nm,0.8s 48.86 43 P P 05 42 25.7 +0.6

MKAR comp=Z,2.1nm,0.8s 144.95 39 PKP P 05 49 26.2 +0.4

ISC 01 05:46:40.9:1.7, 6:07S:128:25E, h400km, 21km, mb3.2/3, mbmp4.2/7, Error ellipse: s-maj=30.1km s-min=11.3km az=80.0

NEIC 01 05:46:40.7:0.5, 6:1S:0:1:127:9E:0:1, h401km, 13km, mb4.3/8, Error ellipse: s-maj=19.8km s-min=14.9km

ISC 01 05:46:40.2:0.7, 6:06S:0:07:127:95E:0:09, h400km, n23, r1520/26, mb3.7/5, Banda Gesa

Main table of seismic stations with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists numerous stations like SAUI, SNEI, FAKI, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like ASAR, WR8, WRAB, etc.

WRAB comp=Z,2.4nm,1.1s 44.19 272 P P 06 02 48.9 +1.2

WRA comp=Z,2.6,7nm,1.1s 44.20 272 P P 06 02 48.7 +0.9

WRA comp=Z,1.0nm,0.4s 44.20 272 P P 06 02 47.8 0.0

WBO comp=Z,4.7nm,1.1s 46.20 255 P P 06 03 03.6 +0.1

FITZ comp=Z,0.6nm,1.1s 52.47 270 P P 06 03 51.6 +0.1

MAW comp=Z,1.9nm,0.9s 72.52 201 P P 06 06 04.4 -0.3

ISC 01 06:40:01.3:2.4, 1:82N:126:98E, h0km, mb3.3/3, mbmp3.3/3, Error ellipse: s-maj=192.1km s-min=28.0km az=66.0, Northern Moloka Sea

WRA comp=Z,2.1nm,0.8s 22.80 162 P P 06 04 05.4 -0.4

ASAR comp=Z,0.2nm,0.4s 26.21 166 P P 06 04 38.3 +0.3

ISC 01 06:41:03.1:0.8, 55:55S:0:1:28:1W:0:2, h25km, 5km, mb4.7/23, Error ellipse: s-maj=16.0km s-min=13.8km az=221.0

ISC 01 06:41:02.9:0.5, 55:45S:0:08:28:05W:0:10, h26km, n58, r0547/44, mb4.6/15, MS3.5/8, 3D, South Sandwich Islands region

Main table of seismic stations with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists numerous stations like HOPE, ORCD, VNA1, etc.

PLCA comp=Z,1.9nm,1.4s 31.42 280 LR LR 06 59 10.4

QSPA comp=Z,5.8nm,0.6s 34.80 180 P P 06 47 51.3 +0.2

QSPA comp=Z,2.9nm,1.8s 34.80 180 P P 06 47 51.5 +0.4

BO02 comp=Z,2.7nm,1.4s 35.78 287 P P 06 47 59.7 0.0

CPUP comp=Z,2.1nm,1.4s 36.05 312 P P 06 48 02.3 +0.3

CPUP comp=Z,2.7nm,0.8s 36.05 312 P P 06 48 02.3 +0.3

MAW comp=Z,0.8nm,0.4s 40.92 144 P P 06 48 42.7 +0.3

BDFB comp=Z,2.8nm,1.4s 42.60 331 P P 06 48 57.2 +0.3

BDFB comp=Z,2.7nm,1.4s 42.60 331 P P 06 48 57.2 +0.3

WVDA comp=Z,3.9nm,0.6s 47.15 183 P P 06 49 32.7 +0.5

GO01 comp=Z,5.0nm,0.7s 47.21 302 P P 06 49 34.7 +0.7

H10S2 comp=Z,5.7nm,0.8s 47.18 278 T T 07 01 06.8

H10S3 comp=Z,3.0nm,0.8s 47.58 180 T T 07 01 04.6

H04S2 comp=Z,2.1nm,0.8s 48.24 115 T T 07 02 32.5

H04S3 comp=Z,2.1nm,0.8s 48.24 115 T T 07 02 32.5

H04S1 comp=Z,2.1nm,0.8s 48.25 115 T T 07 02 32.7

1d 6h

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like LSZ Lusaka, BOAV Boa Vista, MDP Montagnes des, etc.

IDC 01 06:45:29.1±1.4, 39°05'S; 175°61'E, h0km, mb3.6/3, mbtmp3.6/4, ML3.0/1, MS3.3/1, Error ellipse: s-maj=39.9km s-min=15.8km az=150.0

NOU 01 06:45:35.0, 39°41'S; 175°91'E, h57km, MLv4.1/21, North Island, New Zealand

WEL 01 06:45:36.7, 0.3, 39°S; 2°17'6"E, h45km, 3km, M3.7/111, ML3.7/61, MLv3.7/111, Error ellipse: s-maj=2.8km s-min=2.7km az=68.7, confirmed

ISC 01 06:45:35.2, 0.9, 39°37'S; 175°87'E; 0.03, h71km, 4km, n171, 0.92/169, mb3.6/3, North Island

Main table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists numerous stations including MOVZ Moawhango, BHHZ Black Hill Sta, TUKINO, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like KUTZ Aropoanui, ALRZ Allen Road, KAHZ Kahuranaki, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like MHGZ Rimuhau, RIGZ Paritu Road, MWZ Matawai, etc.

PAS 01 06:57:58.3±1.6, 33°06'N; 0°08'115°59'W; 0°10', h1km, 4km, Error ellipse: s-maj=1.3km s-min=1.2km az=131.0

NEIC 01 06:57:58.1±1.6, 33°06'N; 0°08'115°61'W; 0°07', h10km, 1km, ML3.2/52, Mw3.5/4(PAS), Error ellipse: s-maj=2.4km s-min=1.4km az=292.0, Southern California

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like WEMD Westmorland, C, OBB Obsidian Butte, etc.



BOMB	Bombay Beach	0.31 341	Pg	06 58 04.9 +0.6
BOMB	Bombay Beach	0.31 341	Sb	06 58 11.0 0.0
WESC	Westside Schoo	0.32 199	Pg	06 58 05.0 +0.5
WESC	Westside Schoo	0.32 199	Sb	06 58 11.1 -0.1
FRK	Frink	0.34 356	Pg	06 58 05.0 +0.2
FRK	Frink	0.34 356	Sb	06 58 07.9 +0.4
CRR	Carrizo Plain	0.35 239	Pg	06 58 05.3 +0.2
CRR	Carrizo Plain	0.35 239	Sb	06 58 10.8 +1.1
SALN	Salton City	0.38 304	Pg	06 58 06.2 +0.6
SALN	Salton City	0.38 304	Sb	06 58 11.0 +0.4
SALN	Salton City	0.38 304	IAML	06 58 19.2
SGL	Mount Signal	0.43 193	Pg	06 58 06.4 0.0
SGL	Mount Signal	0.43 193	Sb	06 58 12.6 +0.6
COA	Coachella	0.46 116	Pg	06 58 07.0 +0.1
COA	Coachella	0.46 116	Sb	06 58 14.6 -0.4
BRGC	Borrego Mounta	0.48 283	Pg	06 58 07.0 +0.4
BRGC	Borrego Mounta	0.48 283	Sb	06 58 15.1 -0.8
YUH	Yuha Desert	0.49 212	Pg	06 58 07.6 -0.1
YUH	Yuha Desert	0.49 212	Sb	06 58 14.6 +0.4
YUH	Yuha Desert	0.49 212	IAML	06 58 15.7
YUH	Yuha Desert	0.49 212	IAML	06 58 16.0
RUN	Ruthven	0.54 100	Pg	06 58 08.2 -0.3
RUN	Ruthven	0.54 100	Sb	06 58 15.8 +0.1
IKF	In-Ko-Pah, Jac	0.59 226	Pg	06 58 08.9 -0.3
IKF	In-Ko-Pah, Jac	0.59 226	Sb	06 58 17.8 +0.5
BC3	Big Chuckawall	0.60 12	Pg	06 58 09.9 +0.1
BC3	Big Chuckawall	0.60 12	Sb	06 58 18.4 +0.6
BC3	Big Chuckawall	0.60 12	IAML	06 58 25.5
BC3	Big Chuckawall	0.60 12	IAML	06 58 26.8
RMX	La Rumorosa	0.61 221	Pg	06 58 10.0 +0.1
RMX	La Rumorosa	0.61 221	Sb	06 58 18.6 +0.7
EMSC	East Mesa	0.62 122	Pg	06 58 09.8 -0.3
EMSC	East Mesa	0.62 122	Sb	06 58 19.3 -0.3
HAY	Hayfield	0.64 354	Pg	06 58 10.7 +0.1
HAY	Hayfield	0.64 354	Sb	06 58 19.8 -0.6
CTW	Cottonwood Mou	0.65 340	Pg	06 58 10.6 -0.1
CTW	Cottonwood Mou	0.65 340	Sb	06 58 19.8 +0.6
CTCC	Cactus City	0.67 332	Pg	06 58 10.9 -0.1
CTCC	Cactus City	0.67 332	Sb	06 58 20.8 -0.4
CPBX	Cerro Prieto	0.69 158	Pg	06 58 10.9 -0.6
CPBX	Cerro Prieto	0.69 158	Sb	06 58 21.4 -0.4
BORC	Borrego Spring	0.71 287	Pg	06 58 11.3 -0.4
BORC	Borrego Spring	0.71 287	Sb	06 58 21.4 +0.0
JUEM	Julian Eagle M	0.83 271	Sg	06 58 13.0 -0.5
PMD	Palm Desert	0.87 312	Pg	06 58 13.8 -1.0
PMD	Palm Desert	0.87 312	Sb	06 58 24.5 -1.5
PMD	Palm Desert	0.87 312	IAML	06 58 26.6
MATG	Mataguay Scout	0.88 279	Pg	06 58 14.2 -0.9
XPFO	Pinson Flat	0.89 308	Pg	06 58 14.3 -1.0
PFO	Pinyon Flats O	0.90 308	Pg	06 58 14.4 -1.0
PFO	Pinyon Flats O	0.90 308	Sb	06 58 27.0 0.0
PFO	Pinyon Flats O	0.90 308	Pg	06 58 14.4 -0.9
PFO	Pinyon Flats O	0.90 308	Sb	06 58 25.9 -1.1
PFO	Pinyon Flats O	0.90 308	IAML	06 58 28.1
FRD	Ford Ranch, An	0.94 297	Pg	06 58 15.1 -1.0
FRD	Ford Ranch, An	0.94 297	Sb	06 58 28.1 -0.2
SND	J Saunders Pla	0.97 300	Pg	06 58 15.8 -1.0
SND	J Saunders Pla	0.97 300	Sb	06 58 29.7 +0.3
BAR	Barrett	0.97 247	Pg	06 58 16.4 -0.4
BAR	Barrett	0.97 247	Sb	06 58 28.6 -0.8
BAR	Barrett	0.97 247	IAML	06 58 29.6
BAR	Barrett	0.97 247	IAML	06 58 30.1
TKX	Buzz No.'s Pla	0.98 240	Pg	06 58 29.2 -0.3
BZNA	Belle Mtn. Jos	0.98 296	Pg	06 58 15.9 -1.1
BZNA	Belle Mtn. Jos	0.98 296	Sb	06 58 29.5 -0.3
BELC	Belle Mtn. Jos	0.99 341	Pg	06 58 16.0 -1.1
BELC	Belle Mtn. Jos	0.99 341	Sb	06 58 30.0 -0.1
DNR	Dunn Ranch, Anz	0.99 301	Pg	06 58 16.1 -1.0
DNR	Dunn Ranch, Anz	0.99 301	Sb	06 58 30.0 +0.1
DNR	Dunn Ranch, Anz	0.99 301	IAML	06 58 32.8
EML	Ely Monte City P	1.05 261	Pg	06 58 17.1 -1.2
EML	Ely Monte City P	1.05 261	Sb	06 58 31.6 -0.5
CRY	Cary Ranch	1.07 298	Pg	06 58 17.1 -1.6
DUZA	Dulzura	1.08 245	Pg	06 58 18.1 -0.8
DUZA	Dulzura	1.08 245	Sb	06 58 32.4 -0.6
PLM	Palomar	1.09 286	Pg	06 58 17.5 -1.5
ESJX	Sierra Juarez	1.10 195	Pg	06 58 17.5 -1.6
ESJX	Sierra Juarez	1.10 195	Sb	06 58 32.6 -0.8
ESJX	Sierra Juarez	1.10 195	IAML	06 58 32.7
EW2	Ewide Canyon	1.10 323	Pg	06 58 17.4 -1.8
DPP	Dos Picos City	1.12 267	Pg	06 58 17.8 -1.7
DPP	Dos Picos City	1.12 267	Sb	06 58 32.8 -1.4
DPP	Dos Picos City	1.12 267	IAML	06 58 34.7
DPP	Dos Picos City	1.12 267	IAML	06 58 35.3
BLVC	Blythe	1.14 53	Pb	06 58 17.8 -2.0
BLVC	Blythe	1.14 53	Sb	06 58 34.8 +0.1
IRM	Iron Mountain	1.16 19	Pb	06 58 18.6 -1.6
IRM	Iron Mountain	1.16 19	Sb	06 58 33.7 -1.5
IRM	Iron Mountain	1.16 19	IAML	06 58 43.3
IRM	Iron Mountain	1.16 19	IAML	06 58 43.2
CBX	Cerro Bola	1.16 230	Pb	06 58 19.2 -1.2
CBX	Cerro Bola	1.16 230	Sb	06 58 34.9 -0.7
BLAC	Blackrock camp	1.19 327	Pb	06 58 18.9 -2.0
VG2	Vista Grande	1.26 308	Pb	06 58 19.1 -0.3
POB	Polly Butte	1.26 300	Pb	06 58 19.7 -2.1
DGR	Domenigoni Val	1.31 297	Pb	06 58 20.4 -2.1
BACC	Bachelor Mtn.	1.32 295	Pb	06 58 20.6 -1.9
HMTC	Hemet	1.33 299	Pb	06 58 21.1 -1.7
TJX	Tijuana	1.34 246	Pb	06 58 40.9 -0.2
TJX	Tijuana	1.34 246	Sb	06 58 41.0 -0.1
TJX	Tijuana	1.34 246	IAML	06 58 41.4
GORC	Green Oak Ranc	1.36 274	Pb	06 58 21.4 -1.8
GORC	Green Oak Ranc	1.36 274	Sb	06 58 39.9 -2.3
COX	Cicese	1.49 217	Pb	06 58 24.0 -0.5
MLL	Mill Creek	1.51 313	Pb	06 58 26.3 +0.1
113A	Mohawk Valley,	1.58 100	Pb	06 58 24.5 -1.6
DANC	Danby, Needles	1.58 7	Pb	06 58 24.3 -1.8
ELS	Elsinore Mount	1.63 291	Pb	06 58 24.6 -2.2
VTX	Valle De La Tr	1.68 185	Pb	06 58 23.1 +0.6
GMR	Granite Mounta	1.71 359	Pb	06 58 30.3 +0.6
BFSC	Mount Baldy Ra	2.07 305	Pb	06 58 30.0 0.0
Y14A	Wickenburg	2.34 38	Pb	06 58 37.0 +0.3
MWC	Mount Wilson	2.35 300	Pb	06 58 36.2 -0.7
MWC	Mount Wilson	2.35 300	IAML	06 59 19.6
PIX	Pinacate	2.36 129	Pb	06 58 34.3 -2.6
MTPC	Mountain Pass	2.41 1	Pb	06 58 37.3 -0.5
PASC	Pasadena Art C	2.42 298	Pb	06 58 37.3 -0.4
GSC	Goldstone, Bar	2.44 336	Pb	06 58 37.7 -0.4
W13A	Hualapai Mount	2.45 35	Pb	06 58 53.0 +0.2
TPO	Tropic Hills	2.83 310	Pb	06 58 43.2 -0.1
CCCA	Chr Cany lake	2.85 330	Pb	06 58 44.3 +0.6
SHOC	Shoshone, Teco	2.88 349	Pb	06 58 45.7 +1.7
LRMC	Laurie Mtn Rad	2.96 325	Pb	06 58 45.5 +0.3
OSI	Osito Audit. C	3.02 302	Pb	06 58 46.3 +0.3
OSI	Osito Audit. C	3.02 302	IAML	06 59 41.5
OSI	Osito Audit. C	3.02 302	IAML	06 59 43.4
LVN	Las Vegas	3.06 7	Pb	06 58 45.2 -1.4
QSM	Queen of Sheba	3.07 341	Pb	06 58 46.5 -0.2
CLC	China Lake	3.20 330	Pb	06 58 48.2 -0.3
GWY	Greenwater Val	3.23 343	Pb	06 58 48.4 -0.6
MPMC	Manual Propsec	3.36 333	Pb	06 58 49.0 -1.9
ISA	Isabella, Lake	3.31 318	Pb	06 58 53.5 +0.0
FURC	Furnace Creek	3.35 343	Pb	06 58 52.9 -0.2
X16A	Lo Mia Camp, P	3.73 68	Pb	06 58 57.0 +1.2
WCT	Wildcat Mounta	3.81 348	Pb	06 58 57.6 +0.7
TPNV	Topopah Spring	3.91 352	Pb	06 58 57.5 -0.8
CWC	Cottonwood Cre	3.93 330	Pb	06 58 57.7 -0.9
VES	Vestal, Richgr	3.99 315	Pb	06 58 58.7 -1.6
TUC	Tucson	4.14 99	Pb	06 59 00.0 0.0
TUC	Tucson	4.14 99	IAML	06 59 16.6

WUAZ	Wupatki	4.27 54	Pb	06 59 01.8 -1.6
U15A	North Rim	4.33 38	Pb	06 59 04.4 +0.2
PRM	Pahroc Creek	4.36 6	Pb	06 59 04.1 -0.4
LNB	Little Blue R	4.39 26	Pb	06 59 05.3 +0.4
KMT	Kanab	4.56 29	Pb	06 59 05.7 +0.7
S11A	Rachel	4.57 359	Pb	06 59 07.3 -0.1
CCUT	Cedar City	4.84 22	Pb	06 59 11.7 +0.6
X18A	Snoflake	4.93 71	Pb	06 59 13.2 +0.8
SZCU	Shurtz Canyon	4.97 24	Pb	06 59 13.3 +0.4
PKUC	Pink Cliffs	5.13 31	Pb	06 59 15.6 +0.2
NV11	Mina Array Sit	5.74 340	Pb	06 59 23.1 -0.4

PAS 01 06:58:14.3;3.6, 33.055N;0.008;115.61W;0.01, h0km, Error ellipse: s-maj=1.9km s-min=1.4km az=94.0  
 NEIC 01 06:58:13.2;2.6, 33.066N;0.007;115.617W;0.010, h5km;1km, ML3.1/40, ML3.1/6(PAS), Error ellipse: s-maj=2.3km s-min=1.5km az=146.0, Southern California

Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC
			Op	h m s	ISC
WEMD	Westmorland, C	0.04 133	Pg	06 58 15.2 +0.8	
WEMD	Westmorland, C	0.04 133	Sb	06 58 17.1 +2.0	
OBB	Obsidian Butte	0.10 351	Pg	06 58 17.2 +0.8	
OBB	Obsidian Butte	0.10 351	Sb	06 58 20.2 +3.4	
IMPE	Imperial	0.17 164	Pg	06 58 17.9 +1.3	
IMPE	Imperial	0.17 164	Sb	06 58 21.8 +3.0	
SWSC	Sam W. Stewart	0.20 232	Pg	06 58 18.6 +1.5	
SWSC	Sam W. Stewart	0.20 232	Sb	06 58 21.6 +2.0	
SUP	Superstition M	0.21 238	Pg	06 58 18.3 +1.0	
SUP	Superstition M	0.21 238	Sb	06 58 22.1 +2.1	
COK2	Cook Ranch 2	0.23 204	Pg	06 58 19.7 +1.9	
COK2	Cook Ranch 2	0.23 204	Sb	06 58 24.2 +3.3	
SALN	Salton City	0.38 305	Pg	06 58 20.4 -0.1	
SALN	Salton City	0.38 305	Sb	06 58 28.6	
YUH	Yuha Desert	0.49 212	Pg	06 58 22.2 -0.4	
YUH	Yuha Desert	0.49 212	Sb	06 58 24.3 -0.5	
BORC	Borrego Spring	0.70 287	Pg	06 58 26.5 -0.2	
PMD	Palm Desert	0.87 312	Pg	06 58 29.1 -0.7	
BELC	Belle Mtn. Jos	0.98 341	Pg	06 58 30.5 -1.6	
BELC	Belle Mtn. Jos	0.98 341	Sb	06 58 37.0	
DNR	Dunn Ranch, Anz	0.98 301	Pg	06 58 30.8 -1.3	
DNR	Dunn Ranch, Anz	0.98 301	Sb	06 58 35.6	
DNR	Dunn Ranch, Anz	0.98 301	IAML	06 58 38.6	
ESJX	Sierra Juarez	1.09 195	Pg	06 58 33.2 -1.0	
ESJX	Sierra Juarez	1.09 195	Sb	06 58 39.8	
ESJX	Sierra Juarez	1.09 195	IAML	06 58 40.8	
DPP	Dos Picos City	1.11 267	Pg	06 58 33.9 -0.7	
DPP	Dos Picos City	1.11 267	Sb	06 58 40.0	
DPP	Dos Picos City	1.11 267	IAML	06 58 40.7	
IRM	Iron Mountain	1.16 20	Pg	06 58 34.7 -0.7	
EDOMX	El Doctor, EDO	1.33 146	Pg	06 58 37.7 -0.7	
TJX	Tijuana	1.33 246	Pg	06 58 40.9 0.0	
TJX	Tijuana	1.33 246	Sb	06 58 46.6	
TJX	Tijuana	1.33 246	IAML	06 58 47.9	
CCJX	Cicese	1.49 217	Pb	06 58 39.8 -0.8	
ELS	Elsinore Mount	1.62 291	Pb	06 58 40.7 -1.9	
VTX	Valle De La Tr	1.68 185	Pb	06 58 42.2 -1.1	
BFSC	Mount Baldy Ra	2.07 305	Pb	06 58 46.4 -2.4	
MWC	Mount Wilson	2.34 300	Pb	06 58 51.3 -1.3	
MWC	Mount Wilson	2.34 300	Sb	06 59 29.8	
Y14A	Wickenburg	2.35 38	Pb	06 58 49.8 -2.7	
PIX	Pinacate	2.37 129	Pb	06 58 51.3 -1.4	
PASC	Pasadena Art C	2.41 298	Pb	06 58 51.2 -2.1	
PASC	Pasadena Art C	2.41 298	Sb	06 59 25.8	
MTPC	Mountain Pass	2.41 1	Pb	06 58 51.3 -2.2	
GSC	Goldstone, Bar	2.44 336	Pb	06 58 51.0 -2.8	
GSC	Goldstone, Bar	2.44 336	Sb	06 59 31.5	
GSC	Goldstone, Bar	2.44 336	IAML	06 59 33.8	
W13A	Hualapai Mount	2.48 35	Pb	06 58 53.2 -1.4	

IDC 01 07:00:06.8;4.3, 54.36N;87.07E, h0km, mbtmp2.6/2, ML2.4/2, Error ellipse: s-maj=4.1km s-min=2.1km

NEIC 01 07:00:06.0;0.7, 54.35N;86.90E, h0km, M2.3(MOS), The earthquakes of Russia in 2020. Obninsk,

2020 OCT

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OTVZ Oturere, BHZH Black Hill Sta, and various WARRAMUNGA ARR stations.

NEIC 01 07:10:17.3:1.2, 19:23N:0:04:64:65W:0:05, h35km, 2km, ML3.4/39, Md3.6/7(RSPR), Error ellipse: s-maj=10.4km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HUMP Col San Antoni, PDRR Patillas Dam, and various COI SAN ANTONI stations.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AGPR comp=N,151nm,2.0s, AGPR comp=N,157nm,1.8s, and various MAGUEYES ISLAN stations.

PAS 01 07:11:36.3:2.9, 33:09N:0:02:115:575W:0:010, h2km, 4km, Error ellipse: s-maj=2.4km s-min=0.8km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IMPE Imperial, SWSC Sam W. Stewart, and various SALN stations.

PAS 01 07:11:43.5:0.8, 33:064N:0:004:115:598W:0:010, h3km, 3km, Error ellipse: s-maj=1.2km s-min=0.5km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KURK Kurchatov, KURB Kurchatov Arra, and various KURB stations.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RMX La Rumorosa, EMSC East Mesa, and various HAYFIELD stations.

NNC 01 07:13:14.7:1.2, 49:65N:81:54E, h0km, mb2.8, mpv2.4, Error ellipse: s-maj=18.4km s-min=3.0km az=52.0

ISC 01 07:13:16.8:1.4, 49:60N:0:07:81:32E:0:08, h0km, n7, s163G, 4C-1D, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KURK Kurchatov, KURB Kurchatov Arra, and various ZALV stations.

ASRS 01 07:15:06.0:1.0, 56:00N:86:01E, h0km, M2.4(MOS), The earthquakes of Russia in 2020. Obninsk, GS RAS, 2022, Southwestern Siberia





Table with columns: STKA, WRA, AS31, ASAR, MTN, FITZ, VANDA, TPUB, ASAJ, GSPA, PETK, MAW, SONMI, NVAR. Includes station names, coordinates, and status.

Table with columns: J17K, A21K, G21K, IMR1, IMR2, D22K, A22K, K15K, B22K, F22K, J19K, K17K, J20K, D23K, L15K, L14K, C23K, E23K, TOLK, L18K, D24K, E24K, M14K, M13K, BPAW, L19K, CAST, H24K, F25K, CCB, FYU, IL31, ILAR. Includes station names, coordinates, and status.

Table with columns: EVIV, EVIV, EBER, EBER, EBER, EBER, EBER, EMOS, EMOS, ELGU, ELGU, ELGU, ERTA, ERTA, EPOB, EPOB, EPOB, EPOB, EADA. Includes station names, coordinates, and status.

IDC 01 09:17:25.5.1.4.19.43Sx174.74W, h0km, mb3.9/5, mbmp4.0/6, ML3.8/1, MS3.2/1, Error ellipse: s-maj=41.4km s-min=21.6km az=125.0

ILAR comp=Z,0.1nm,0.3s,baz=295,slow=14,SNR=19.1 comp=Z,1.5nm,0.5s comp=Z,1.5nm,0.5s

IDC 01 10:20:15.7.16.0,20.47S:179.05E,h540km,137km, mb2.7/3, mbtmp3.6/4, Error ellipse: s-maj=419.3km s-min=114.2km az=87.0, South of Fiji Islands

Table with columns: NIUE, AFI, AFI, MSVF, RAR, URZ. Includes station names, coordinates, and status.

Table with columns: ILAR, GMAZ, INK, INK, INK, PDAR, PDAR, ARCES, FINES, FINES, TXAR. Includes station names, coordinates, and status.

Table with columns: MSVF, STKA, ASAR, WRA. Includes station names, coordinates, and status.

Table with columns: AFI, MSVF, RAR, URZ, STKA, AS31, ASAR. Includes station names, coordinates, and status.

Table with columns: NOU, RTV, SANVU, SANVU. Includes station names, coordinates, and status.

MOS 01 10:25:01.9.0.51.67N:174.86W, h14km, mb5.3/72, MS5.1/15, Error ellipse: s-maj=7.9km s-min=4.8km az=107.8

Table with columns: WB0, WRA, FORT, KNRA, GSPA, GSPA. Includes station names, coordinates, and status.

Table with columns: NOU, RTV, SANVU, IDC 01 09:35:11.0.4.0.541.16N:87.18E, h0km, mbtmp2.8/2, ML2.4/2, Error ellipse: s-maj=39.3km s-min=20.3km az=72.0, Southwestern Siberia

GFZ 01 10:25:03.0.2.52.N4.4x17.5W, h10km, M5.5/56, mb5.4/56

NEIC 01 09:26:09.6.2.1.67.50N:0.04:167.2W:0.1, h10km, 1km, mb\_Lg2.1/14, ML3.4/A(EIC), Error ellipse: s-maj=10.2km s-min=2.9km az=31.0

Table with columns: I46RU, ZALV, ZALV, KURBB, KURBB, KURBB, MKAR. Includes station names, coordinates, and status.

BGR 01 10:25:06.8.51.26N:177.42W, h33km, mb5.2, Ms4.7 IDC 01 10:25:07.5.1.21.51.66N:174.85W, h42km, 9km, mb4.7/36, mbtmp5.0/40, ML4.6/4, MS4.6/27, Error ellipse: s-maj=12.9km s-min=6.6km az=167.0

Table with columns: C16K, D17K, RDOG, RDOG, TNA, TNA, F15K, F14K, E17K, E18K, F17K, F17K. Includes station names, coordinates, and status.

Table with columns: NNC 01 09:56:42.8.9.5.36.95N:70.37E, h0km, mb3.5, mpv3.1, az=146.0, Hindu Kush region

BUJ 01 10:25:07.6.51.91N:175.21W, h52km, mb5.2/33, mb5.1/79, MS5.4/31, MS7.1/29

Table with columns: ANM, ANM, G17K, H16K, A19K, F10K, G18K, G18K. Includes station names, coordinates, and status.

Table with columns: CRAAG 01 10:16:28.8.36.54N:1.84E, M3.5, Algrie 05km SE Larhat MDD 01 10:16:29.2.1.0.36.41N:1.93E, h24km, 20km, M3.9/19, M, mb3.2/19, Error ellipse: s-maj=21.9km s-min=4.7km az=141.0

NEIC 01 10:25:07.1.7.1.51.67N:0.07:174.92W:0.05, h40km, 4km, mb5.4/82, ML5.4/12, Mww5.3/33, ML5.0/A(EIC), Error ellipse: s-maj=10.0km s-min=4.0km az=166.0

Table with columns: E18K, F17K, B18K, G15K, G16K, ANM, ANM, G17K, H16K, A19K, F10K, G18K, G18K, E19K, H17K, H17K, C21K, J14K, J16K, H20K, J17K. Includes station names, coordinates, and status.

Table with columns: ISC 01 10:16:29.2.1.0.36.51N:0.05:1.76E:0.04, h20km, n31, c131/45, 13C, Northern Algeria

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes station names, coordinates, and status.

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes station names, coordinates, and status.















FITZ	Fitzroy Crossi	25.45 240	P	P	10 40 06.7 +1.6	CNP				10 46 36.4 +5.7	comp=Z,5umcomp=Z,523nm,1.0s,comp=Z,5um	LUBP	Lubang	34.35 305	P	P	10 41 23.6 -0.1
CMSA	Cobar Meteorol	25.53 186	P	P	10 40 06.4 +0.9	H11S3	WAKE ISLAND Hy	30.17 36	P	P	10 40 48.3 +1.4	LUBP					10 42 29.2 -1.4
CMSA	Cobar Meteorol	25.53 186	P	P	10 40 06.4 +0.9	H11S2	WAKE ISLAND Hy	30.18 36	P	P	10 40 48.2 +1.3	LUBP					10 42 57.2 +1.6
DDMP	Don Marcelino,	25.87 297	P	P	10 40 14.8 +6.0	DBNI	Kabupaten Demp	30.18 263	P	P	10 40 47.2 -0.1	CAAP	Casiguran, Aur	34.37 310	P	P	10 41 23.8 -0.5
DDMP					10 40 58.0 +1.7	H11S1	WAKE ISLAND Hy	30.19 36	P	P	10 40 48.0 +0.9	CAAP					10 41 44.6 -0.4
DDMP					10 44 22.2 -1.0	GHSS	Government Hou	30.21 197	P	P	10 40 49.3 +2.1	CAAP					10 44 08.6 +1.1
BBSI	Bau Bau	25.95 270	P	P	10 40 12.1 +2.6	ANUMR	Murray Bridge	30.23 195	P	P	10 40 48.4 +1.1	RTBP	Dona Remedios	34.38 308	P	P	10 49 20.7 +3.0
KDI	Kendari	26.01 373	P	P	10 40 12.0 +2.0	CNUP				10 41 39.3 +1.9	RTBP					10 41 24.2 +0.2	
CDOP	Cateel, Davao	26.05 301	P	P	10 40 24.9 +1.4	CNUP				10 41 39.0 +0.5	RTBP					10 41 44.4 -0.4	
CDOP					10 40 44.6 +2.6	CADP	Cadiz City	30.34 304	P	P	10 41 10.3 +0.7	RTBP					10 40 33.7 +2.0
CDOP					10 41 47.7 +3.7	CADP				10 42 14.4 +1.6	RTBP					10 46 41.3 -4.0	
AUDCS	Dubbo College	26.07 180	P	P	10 40 12.4 +2.0	FUNA	Funafuti	30.40 97	P	P	10 45 46.0 +3.7	KMMI	Kalianget	34.46 266	P	P	10 41 26.5 +1.8
LWUI	Luwuk	26.29 280	P	P	10 40 10.8 -1.7	FUNA	Funafuti	30.40 97	P	P	10 40 49.0 -0.1	KMMI	Kota Kinabalu	34.52 290	P	P	10 41 27.5 +2.2
LWUI	Luwuk	26.29 280	P	P	10 40 14.7 +2.2	FUNA	Funafuti	30.40 97	P	P	10 40 49.2 +0.0	KMMI	Kota Kinabalu	34.52 290	P	P	10 41 36.2 -1.1
LWUI	Luwuk	26.29 280	P	P	10 40 17.5 +4.9	FUNA	Funafuti	30.40 97	P	P	10 40 49.4 +0.2	KMMI	Kota Kinabalu	34.52 290	P	P	10 41 24.6 -0.7
LWUI	Luwuk	26.29 280	P	P	10 40 16.6 +4.0	FUNA	Funafuti	30.40 97	P	P	10 40 49.4 +0.2	KMMI	Kota Kinabalu	34.52 290	P	P	10 41 26.5 +1.8
MMRI	Maumere	26.32 263	P	P	10 40 11.2 -1.7	FUNA	Funafuti	30.40 97	P	P	10 40 49.1 +0.0	PALP	Palanan	34.61 312	P	P	10 41 34.9 +9.0
MMRI	Maumere	26.32 263	P	P	10 40 10.2 -2.5	FUNA	Funafuti	30.40 97	P	P	10 40 49.2 +0.0	ABPP	Abucay Bataan	34.75 307	P	P	10 41 47.7 +1.8
MMRI	Maumere	26.32 263	P	P	10 40 16.0 +2.1	FUNA	Funafuti	30.40 97	P	P	10 40 49.2 +0.0	ABPP					10 41 56.8 -2.2
GTJO	Gorontalo	26.43 284	P	P	10 40 15.1 +0.5	FUNA	Funafuti	30.40 97	P	P	10 40 49.2 +0.0	ABPP					10 43 07.9 +2.0
DAV	Davao City (W)	26.44 299	LR	LR	10 50 41.1	FUNA	Funafuti	30.40 97	P	P	10 40 49.2 +0.0	ABPP					10 46 47.5 -3.4
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 +0.5	PLAI	Plampang	30.73 263	P	P	10 40 50.5 -1.6	PKKI	Palangkaraya	34.78 275	P	P	10 41 37.7 +1.0
STKA	Stevens Creek	26.55 194	P	P	10 40 15.0 +0.2	PLAI	Plampang	30.73 263	P	P	10 40 50.2 -1.9	PKKI	Aritao, Nueva	35.20 309	P	P	10 41 52.0 -0.2
STKA	Stevens Creek	26.55 194	P	P	10 40 45.3 +2.8	GUIM	Jordan	30.78 35	P	P	10 40 57.3 +4.9	ANVP					10 43 06.9 +1.4
STKA	Stevens Creek	26.55 194	P	P	10 51 45.6	WAKE	Wake Island	30.78 35	P	P	10 40 52.7 +0.3	ANVP					10 47 04.5 +6.7
STKA	Stevens Creek	26.55 194	P	P	10 40 15.2 +0.5	WAKE	Wake Island	30.78 35	P	P	10 40 54.3	MEEK	Meekatharra	35.20 231	P	P	10 41 32.5 +1.6
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	WAKE	Wake Island	30.78 35	P	P	10 40 53.9 +1.3	MEEK	Meekatharra	35.20 231	P	P	10 41 32.0 +1.1
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 50.9 -1.5	MEEK	Meekatharra	35.20 231	P	P	10 41 32.5 +1.6
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	CORO	Coronation Par	35.30 182	P	P	10 41 33.4 +1.9
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP	Iba, Zambales	35.46 307	P	P	10 41 26.9 -6.3
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 41 52.2 -2.1
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 43 08.1 +1.3
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 46 56.5 -5.2
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 41 34.8 +0.9
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 41 33.3 -2.5
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 41 57.5 +0.4
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 43 14.9 +1.6
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 47 01.6 -4.9
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 41 44.8 +8.7
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 41 33.8 -6.4
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 42 09.6 -2.7
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 43 41.4 -2.2
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 41 11.6 -2.7
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 41 41.9 +1.9
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 41 42.0 +2.0
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 41 41.4 +1.4
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 41 44.6 +0.9
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 42 12.0 +2.8
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 41 45.9 +2.0
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 41 45.3 +1.4
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 41 45.3 +1.4
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 41 46.5 +2.7
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 41 46.2 +2.3
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 41 46.5 +2.7
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 41 46.2 +2.3
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 41 46.5 +2.7
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 41 46.2 +2.3
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 41 46.5 +2.7
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 41 46.2 +2.3
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 41 46.5 +2.7
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 41 46.2 +2.3
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 41 46.5 +2.7
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 41 46.2 +2.3
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 41 46.5 +2.7
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 41 46.2 +2.3
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10 40 55.5 +2.3	IBZP					10 41 46.5 +2.7
STKA	Stevens Creek	26.55 194	P	P	10 40 15.1 -0.5	MILA	Mila	30.89 179	P	P	10						





1d 10h

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Table with columns for station code, name, frequency, and various signal quality metrics (P, S, L, etc.). Includes stations like TSI Tuntungan, SUJ Sinujuju, KUR Kuril'sk, etc.

Table with columns for station code, name, frequency, and various signal quality metrics. Includes stations like HNS HNS, HNS comp=Z,50nm,1.1s, HNS comp=Z,4um,23.9s, etc.

Table with columns for station code, name, frequency, and various signal quality metrics. Includes stations like KLR comp=E,1um,8.5s, KLR Kul'dur, KLR comp=E,6.7nm,0.9s, etc.

HILR	comp=Z,1µm,19.8s,baz=95,slow=35	PKPKPP	P'P'df	11 14 09.9 +5.0
DRV	comp=Z,0.8nm,0.2s,baz=75,slow=1.7,SNR=8.1			
DRV	Dumont d'Urville	60.83 184	P	10 44 48.8 +1.1
DRV			pP	10 45 09.9 +0.8
DRV			sP	10 45 20.1 +1.3
MORE	Moreh	60.88 302	I Amb	10 44 48.1 -0.6
MORE			I Amb	10 45 11.1
JOKA	comp=Z,32nm,0.7s	60.95 64	I Amb	10 44 59.9
JOKA	Jonika Flow		I Amb	
PAE	Paea	61.32 107	eP	10 44 53.6 +1.8
PAE	comp=Z,249nm,1.2s		eLR	11 03 08.8
PPT	Papeete	61.32 107	P	10 44 53.1 +1.2
PPT	comp=Z,94nm,0.8s,baz=83,slow=8.1,SNR=8.2			
PPT2	Papeete2	61.32 107	eP	10 44 53.0 +1.1
PPT2	comp=Z,140nm,1.1s		ePP	10 47 05.8 -2.2
PPT2	comp=Z,688nm,26.5s		eS	10 53 01.6 -4.1
PPT2	comp=Z,2µm,24.0s		eLQ	11 00 22.4
PPT2	comp=Z,15µm,31.0s		eLR	11 03 00.0
PPT2	comp=Z,3µm,30.0s		eLR	11 03 08.1
PPT2	comp=Z,5µm,27.5s		eLR	11 03 08.1
PPTF	Pamatai, Papee	61.33 107	P	10 44 53.6 +1.6
PPTF	Pamatai, Papee	61.33 107	P	10 44 53.6 +1.6
PPTF	Pamatai, Papee	61.33 107	↑P	10 44 54.1 +2.1
TIAR	Tiarei	61.54 107	eP	10 44 54.1 +0.7
KOHI	KOHIMA	61.61 303	eP	10 44 52.4 -1.4
KOHI	Taravo	61.64 107	eP	10 44 54.5 +0.4
TVO	comp=Z,3µm,25.5s		eLR	11 03 18.6
AZL	Aizawai	62.06 301	eP	10 44 56.4 -0.5
ZEA	Zeya	62.21 346	eS	10 44 58.3 +1.2
ZEA			eS	10 53 17.9 +2.4
ZEA	comp=N,100nm,1.4s		pmax	pmax
ZEA	comp=Z,100nm,1.3s		pmax	pmax
ZEA	comp=N,50nm,1.2s		pmax	pmax
ZEA	comp=E,120nm,1.1s		pmax	pmax
ZEA	comp=Z,90nm,1.1s		pmax	pmax
ZEA	comp=E,200nm,7.2s		smax	smax
SHEM	Shemya Is, Ala	62.40 17	LR	11 07 36.3
SHEM	comp=Z,2µm,21.4s,baz=208,slow=32			
SMY	Shemya	62.40 17	P	10 45 00.3 +1.9
SMY	Shemya	62.40 17	P	10 45 00.2 +1.9
SMY	Shemya	62.40 17	↑P	10 45 00.2 +1.9
PMOR	Pomario Rio	62.85 104	eP	10 45 03.0 +0.9
PMOR	comp=Z,399nm,1.0s		eLR	11 03 40.1
AMKA	Amchitka	62.94 21	P	10 45 02.9 +1.0
TEZP	TEZPUR	63.04 304	eP	10 45 02.9 -0.3
VAH	Vaihoa	63.12 104	eP	10 45 04.3 +0.4
VAH	comp=Z,142nm,0.9s		eLR	11 03 56.3
SHL	Shilong	63.41 302	ex	10 45 06.8
SHL			x	10 53 29.2
GT2A	Gaotai	63.89 320	eP	10 45 08.9 +0.2
GT2A			S	10 53 34.1 -3.3
GT2A			sS	10 54 17.6 +1.2
GT2A			ScS	10 54 55.0 +0.9
GT2A	comp=Z,8.0nm,1.0s		pmax	pmax
GT2A	comp=Z,720nm,8.0s		L	L
GT2A	comp=Z,480nm,17.5s		L	L
GT2A	comp=Z,1µm,16.5s		L	L
GT2A	comp=Z,1µm,18.7s		L	L
ADK	Adak	64.84 23	P	10 45 15.2 +0.8
ADK	Adak	64.84 23	P	10 45 14.6 +0.2
ADK	Adak	64.84 23	P	10 45 14.6 +0.2
ADK	comp=Z,715nm,1.3s		pmax	pmax
ADK	Adak	64.84 23	P	10 45 14.6 +0.2
ADK	Adak	64.84 23	↑P	10 45 15.1 +0.6
ADK	Adak	64.84 23	P	10 45 16.4 +1.9
ADK	Adak	64.84 23	P	10 45 15.6 +1.1
ADK	Adak	64.84 23	pP	10 45 17.1 +1.1
ULN	Ulaanbaatar	64.93 330	ceP	10 45 15.8 +0.5
ULN	ULN		pmax	pmax
ULN	comp=Z,1.1nm,1.2s		P	10 45 15.4 0.0
ULN	Ulaanbaatar	64.93 330	↑P	10 45 15.9 +0.5
ULN	Ulaanbaatar	64.93 330	P	10 45 15.9 +0.6
ULN	comp=Z,6µm,comp=Z,206nm,0.9s		P	10 45 16.0 +0.7
ULN	Ulaanbaatar	64.93 330	P	10 45 16.0 +0.7
ULN	Ulaanbaatar	64.93 330	P	10 45 15.3 0.0
ULN	Ulaanbaatar	64.93 330	pP	10 45 36.5 -2.3
ULN	Ulaanbaatar	64.93 330	pP	10 45 47.3 -0.5
CIT	Chita	65.11 337	eP	10 45 16.9 +0.6
CIT			e	10 45 38.9
CIT			e	10 45 47.1
CIT	comp=Z,193nm,3.0s		pmax	pmax
DHUB	DHUBRI	65.16 302	eP	10 45 16.7 -0.3
SONM	Songino Array	65.23 330	P	10 45 17.4 +0.2
SONM	comp=Z,13nm,0.9s,baz=148,slow=6.4,SNR=29		P	10 45 17.4 +0.2
SONM	Songino Array	65.23 330	P	10 45 17.4 +0.2
SONM	comp=Z,21nm,0.6s,baz=145,slow=8.3,SNR=7.8		P	10 45 47.7 -1.3
SONM	Songino Array	65.23 330	P	10 45 47.7 -1.3
SONM	comp=Z,0.5nm,0.4s,baz=347,slow=19,SNR=1.1		S	10 53 51.2 -2.3
SONM	Songino Array	65.23 330	P'P'df	11 13 51.0 -7.3
SONM	comp=Z,0.6nm,0.3s,baz=45,slow=2.2,SNR=5.4		PKP2bc	11 14 02.8 -0.5
SONM	Songino Array	65.23 330	P'P'bc	11 14 02.8 -0.5
SONM	comp=Z,4.3nm,0.8s,baz=298,slow=1.7,SNR=11		LR	11 14 05.2
SONM	comp=Z,2µm,20.5s,baz=135,slow=36		LR	11 14 05.2
SONM	Songino Array	65.23 330	P	10 45 17.6 +0.3
SONM	comp=Z,2.25nm,0.7s		pmax	pmax
SONM	Songino Array	65.23 330	P	10 45 17.6 +0.3
MA2	Magadan	65.42 1	LR	11 09 57.0
MA2	Magadan	65.42 1	LR	10 45 19.2 +1.2
MA2	Magadan	65.42 1	cP	10 45 18.4 +0.4
MA2	Magadan	65.42 1	pmax	pmax
MA2	Magadan	65.42 1	P	10 45 18.8 +0.8
MA2	Magadan	65.42 1	I Amb	10 45 21.6
MA2	Magadan	65.42 1	↑P	10 45 18.2 +0.2
MA2	Magadan	65.42 1	P	10 45 18.3 +0.2
MA2	Magadan	65.42 1	P	10 45 20.1 +2.1
MA2	Magadan	65.42 1	P	10 45 18.2 +0.2
MA2	Magadan	65.42 1	pP	10 45 39.8 -1.8
MA2	Magadan	65.42 1	pP	10 45 49.3 0.0
LSA	Lhasa	65.57 306	I Amb	10 45 44.0
GOMU	GeErMu	65.58 314	P	10 45 22.7 +2.6
GOMU	GOMU		S	10 53 53.4 -5.3
GOMU	comp=Z,5.0nm,0.6s		pmax	pmax
GOMU	comp=Z,4µm,18.8s		L	L
GOMU	comp=Z,2µm,18.0s		L	L
GOMU	comp=Z,2µm,18.3s		L	L
CASY	Casey	65.67 196	P	10 45 20.7 +1.1
CASY			I Amb	10 45 42.2

CASY	Casey	65.67 196	↑P	10 45 20.4 +0.8
CASY	Casey	65.67 196	P	10 45 20.4 +1.2
CASY	Casey	65.67 196	P	10 45 20.4 +0.8
CASY	Casey	65.67 196	P	10 45 20.2 +0.6
CASY	Casey	65.67 196	pP	10 45 41.2 -0.6
ATKA	Atka Island	66.07 24	P	10 45 24.0 +1.6
ATKA	Atka Island	66.07 24	↑P	10 45 23.7 +1.4
BOK	Bokoro	66.47 299	x	10 50 08.3
ZAK	Zakamensk	67.95 331	eP	10 45 37.1 -0.5
ZAK			pmax	pmax
VIS	Vishakhapatnam	68.63 292	ex	10 45 32.9
SEY	Seymchan	68.82 2	LR	11 17 53.2
SEY	Seymchan	68.82 2	LR	11 17 53.2
SEY	Seymchan	68.82 2	eP	10 45 40.0 +0.5
SEY	Seymchan	68.82 2	eP	10 45 40.0 +0.5
PALK	Pallekele	69.06 230	LR	11 20 44.1
TLA	Talaya	69.13 332	P	10 45 42.1 +0.4
TLA	comp=Z,7.5nm,0.9s,baz=147,slow=6.0,SNR=4.3		S	10 54 41.1 +1.2
TLA	comp=Z,1.2nm,0.4s,baz=130,slow=8.9,SNR=2.5		LR	11 17 30.1
TLA	Talaya	69.13 332	ceP	10 45 42.1 +0.4
TLA	comp=Z,1.1nm,1.1s		pmax	pmax
IRK	Irkutsk	69.22 333	eP	10 45 41.5 -0.7
IRK			pmax	pmax
YAK	Yakutsk	69.42 351	LR	11 18 17.0
YAK	Yakutsk	69.42 351	cP	10 45 43.0 -0.2
YAK	Yakutsk	69.42 351	ePP	10 46 04.6 -1.4
YAK	Yakutsk	69.42 351	e	10 48 17.9
YAK	Yakutsk	69.42 351	e	10 49 58.7
YAK	Yakutsk	69.42 351	ePPS	10 54 42.7 -0.2
YAK	Yakutsk	69.42 351	eSS	10 55 23.3 0.0
YAK	Yakutsk	69.42 351	pmax	pmax
YAK	comp=Z,91nm,1.5s		pmax	pmax
YAK	comp=N,40nm,1.5s		pmax	pmax
YAK	comp=E,13nm,1.5s		pmax	pmax
YAK	comp=Z,193nm,3.2s		pmax	pmax
YAK	comp=N,176nm,3.1s		pmax	pmax
YAK	comp=E,68nm,2.5s		smax	smax
YAK	comp=N,615nm,5.7s		smax	smax
YAK	Yakutsk	69.42 351	P	10 45 45.0 +1.8
YAK	Yakutsk	69.42 351	I Amb	10 46 20.6
YAK	Yakutsk	69.42 351	P	10 45 45.1 +1.8
YAK	Yakutsk	69.42 351	P	10 45 45.6 +0.1
MOY	Mondy	70.39 331	eP	10 45 51.7 +1.7
MOY			pmax	pmax
UNV	Unalaksa	70.50 26	P	10 45 51.7 +1.7
UNV	Unalaksa	70.50 26	I Amb	10 45 52.7
CCD	Concordia, Ant	70.53 187	P	10 45 51.4 +1.0
CCD	Concordia, Ant	70.53 187	pP	10 46 12.9 0.0
CCD	Concordia, Ant	70.53 187	pP	10 45 51.6 +0.2
TAOE	Nuku Hiva Isla	70.58 97	eP	10 54 54.0 -4.4
TAOE	comp=Z,472nm,1.3s		eS	11 04 27.3
TAOE	comp=Z,2µm,23.4s		eLQ	11 07 29.8
TAOE	comp=Z,3µm,30.0s		eLR	11 07 29.8
TAOE	comp=Z,3µm,30.0s		eLR	11 07 29.8
TAOE	Nuku Hiva Isla	70.58 97	P	10 45 52.8 +1.3
TAOE	Nuku Hiva Isla	70.58 97	P	10 45 52.7 +1.3
TAOE	Nuku Hiva Isla	70.58 97	P	10 45 53.2 +1.8
TAOE	Nuku Hiva Isla	70.58 97	P	10 45 53.2 +1.8
AKUT	Akutan	71.02 26	P	10 45 55.3 +2.2
KNGR	Kungturtug, Tuv	71.50 328	eP	10 45 57.1 +0.8
KNGR			pmax	pmax
VNDA	Vanda	71.80 177	P	10 45 58.8 +1.3
VNDA	comp=Z,18nm,0.5s,baz=332,slow=7.0,SNR=145		S	10 55 09.7 -0.5
VNDA	comp=Z,1.2nm,1.1s,baz=92,slow=1.7,SNR=1.9		LR	11 15 27.2
VNDA	comp=Z,1µm,18.4s,baz=348,slow=34		P	10 45 59.0 +1.6
VNDA	Vanda	71.80 177	P	10 45 58.8 +1.2
VNDA	Vanda	71.80 177	P	10 45 58.6 +1.2
VNDA	Vanda	71.80 177	P	10 46 02.0 +2.8
VNDA	Scott Base	72.41 176	pP	10 46 04.0 +2.8
VNDA	SBA	72.41 176	pmax	pmax
SBA	Scott Base	72.41 176	P	10 46 04.0 +2.8
SBA	SBA	72.41 176	I Amb	10 46 05.9
SBA	comp=Z,264nm,2.0s		P	10 46 03.7 +2.5
SBA	comp=Z,264nm,1.9s		P	10 46 03.7 +2.5
SBA	comp=Z,3µm,comp=Z,48nm,1.7s		P	10 46 20.5 +1.2
SBA	Scott Base	72.41 176	pP	10 46 05.0 -0.3
TRD	Trivandrum	72.92 281	eP	10 46 10.9
TRD			I Amb	10 46 10.9
HYB	Hyderabad	73.00 290	eP	10 46 06.8 +0.9
HYB	Hyderabad	73.00 290	eP	10 46 07.9 +2.0
HYB	Hyderabad	73.00 290	eS	10 45 29.3 -0.7
HYB	Hyderabad	73.00 290	eSS	11 00 12.2 +3.5
HYB	Hyderabad	73.00 290	eS	10 46 10.2 -0.3
WMQ	Urumqi	73.88 319	↑P	10 46 29.2 +3.7
WMQ	WMQ		pP	10 46 29.2 +3.7
WMQ	WMQ		S	10 55 35.6 +0.5
WMQ	comp=Z,18nm,1.3s		pmax	pmax
WMQ	comp=Z,450nm,3.7s		pmax	pmax
WMQ	comp=Z,1µm,14.9s		L	L
WMQ	comp=Z,910nm,24.2s		L	L
WMQ	comp=Z,1µm,24.1s		L	L
SDPT	Sand Point	74.17 27	I Amb	10 46 12.2 +0.4
CNBA	Chernabura Isla	74.27 28	P	10 46 15.2
CHNA	Chernabura Isla	74.27 28	P	10 46 14.3 +1.9
BILL	Bilibino	74.94 7	ceP	10 46 16.6 +0.6
BILL	Bilibino	74.94 7	pmax	pmax
BILL	Bilibino	74.94 7	P	10 46 18.3 +2.3
BILL	Bilibino	74.94 7	I Amb	10 46 21.5
BILI	Bilibino	74.94 7	P	10 46 19.0 +2.8
BILI	Bilibino, Chuk	74.97 7	P	10 46 19.0 +2.8
BHPL	Bhopal	75.31 296	eP	10 46 20.7 +1.5
H08S2	Diego Garcia H	75.54 264	P	10 46 22.7 +2.4
H08S2	Diego Garcia H	75.54 264	P	10 46 23.5 +3.1
H08S2	Diego Garcia H	75.54 264	P	10 46 23.5 +3.1
H08S1	Diego Garcia H	75.56 264	P	10 46 23.6 +3.3
H08S1	Diego Garcia H	75.56 26		





1d 11h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Daboo, Mandailing Nat, Bukit Timah Da, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KRSZO 01, BRTR Keskin Array B, QSPA South Pole Qui, etc.

NAO 01 11:05:25.4, 36:31N-26:69E, h33km, MB4.5
BUJ 01 11:05:36.0, 36:60N-26:70E, h154km, mb5.3/7, mb5.1/69
MCSM 01 11:05:36.9, 0.4, 36:1N-2:7E, h148km, mb5.2, mb5.1, MLv4.8, Mw(mb)4.5

2020 OCT

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KLNA Kalamnos, ASTA Astypalaia, Mula-DatSa, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ZEYE Izmir, ZEYE Izmir, ZEYE Izmir, etc.



KARY	Karystos	2.28	305	P	Pn	11 06 17.7 +1.0	ISP	Isparta	3.17	69	↑P	Pn	11 06 28.1 +0.3	MDUB	Mudurnu	5.08	41	↑P	Pn	11 06 54.8 +2.3
AKHS	Akhisar	2.29	20	P	S	11 06 17.1 +0.3	ISP	Isparta	3.17	69	P	Pn	11 06 27.9 +0.3	PSDA	Pessada-Kefalo	5.13	287	P	Pn	11 06 52.7 -0.3
AKHS	Akhisar	2.29	20	P	S	11 06 46.6 -0.5	ISP	Isparta Platees	3.17	299	P	Pn	11 06 28.5 +0.9	PSDA	Pessada-Kefalo	5.13	287	P	Pn	11 06 52.7 -0.3
AKS	Kula-Manisa	2.29	20	Pn	Pn	11 06 16.9 +0.1	LOUT	Loutraki	3.29	294	P	AML	11 06 30.5 +1.3	NVR	Nevrokopi	5.14	335	P	AML	11 06 54.4 +1.2
KULA	Kula-Manisa	2.31	39	Pn	Pn	11 06 18.2 +1.0	LOUT	Loutraki	3.31	294	P	AML	11 06 30.5 +1.3	NVR	Nevrokopi	5.14	335	P	AML	11 06 54.4 +1.2
RTHF	Rethymno-Limin	2.32	235	P	Pn	11 06 16.4 -0.7	LOUT	Loutraki	3.31	294	P	AML	11 06 30.5 +1.3	NVR	Nevrokopi	5.14	335	P	AML	11 06 54.4 +1.2
DKL	Dikili	2.33	2	Pn	AML	11 06 18.3 +0.9	LOUT	Loutraki	3.31	294	P	AML	11 06 30.7 +1.3	NVR	Nevrokopi	5.14	335	P	AML	11 06 54.4 +1.2
DKL	Dikili	2.33	2	Pn	AML	11 06 18.4 +1.1	LOUT	Loutraki	3.31	294	P	AML	11 06 30.7 +1.3	NVR	Nevrokopi	5.14	335	P	AML	11 06 54.4 +1.2
SIVA	Sivas	2.35	224	P	Pn	11 06 18.0 +0.4	ECEA	Canakkale, Ece	3.34	352	P	AML	11 06 30.0 +0.2	EVGI	Lefkada island	5.22	293	P	AML	11 06 55.1 +0.8
SIVA	Sivas	2.35	224	P	Pn	11 06 47.7 -0.6	ECEA	Canakkale, Ece	3.34	352	P	AML	11 06 30.0 +0.2	EVGI	Lefkada island	5.22	293	P	AML	11 06 55.1 +0.8
SIVA	Sivas	2.35	224	P	Pn	11 06 17.6 0.0	ECEA	Canakkale, Ece	3.34	352	P	AML	11 06 30.0 +0.2	EVGI	Lefkada island	5.22	293	P	AML	11 06 55.1 +0.8
SIVA	Sivas	2.35	224	P	Pn	11 06 17.6 0.0	ECEA	Canakkale, Ece	3.34	352	P	AML	11 06 30.0 +0.2	EVGI	Lefkada island	5.22	293	P	AML	11 06 55.1 +0.8
LVRA	Laurium	2.39	295	P	AML	11 06 19.0 +1.0	CNKL	anakkale-Mer	3.34	355	P	Pn	11 06 29.8 0.0	FSK	Fiskardo	5.24	291	P	AML	11 06 54.4 -0.1
INCE	Denizli-Bozkur	2.42	66	P	S	11 06 19.1 +0.6	CNKL	anakkale-Mer	3.34	355	P	Pn	11 06 29.8 0.0	FSK	Fiskardo	5.24	291	P	AML	11 06 54.4 -0.1
INCE	Denizli-Bozkur	2.42	66	P	S	11 06 48.6 -1.5	CNKL	anakkale-Mer	3.34	355	P	Pn	11 06 29.8 0.0	FSK	Fiskardo	5.24	291	P	AML	11 06 54.4 -0.1
INCE	Denizli-Bozkur	2.42	66	P	S	11 06 50.0	CNKL	anakkale-Mer	3.34	355	P	Pn	11 06 29.8 0.0	FSK	Fiskardo	5.24	291	P	AML	11 06 54.4 -0.1
INCE	Denizli-Bozkur	2.42	66	P	S	11 06 50.0	CNKL	anakkale-Mer	3.34	355	P	Pn	11 06 29.8 0.0	FSK	Fiskardo	5.24	291	P	AML	11 06 54.4 -0.1
ELL	Elmali	2.50	89	Pn	AML	11 06 20.0 +0.5	AOS	Alonnisos	3.35	317	P	Pn	11 06 30.9 +0.4	PRMD	Pramanda	5.29	304	P	AML	11 06 58.2 +3.0
ELL	Elmali	2.50	89	Pn	AML	11 06 19.8 +0.3	AOS	Alonnisos	3.35	317	P	Pn	11 06 30.9 +0.4	PRMD	Pramanda	5.29	304	P	AML	11 06 58.2 +3.0
ELL	Elmali	2.50	89	Pn	AML	11 06 19.8 +0.3	AOS	Alonnisos	3.35	317	P	Pn	11 06 30.9 +0.4	PRMD	Pramanda	5.29	304	P	AML	11 06 58.2 +3.0
ELL	Elmali	2.50	89	Pn	AML	11 06 19.8 +0.3	AOS	Alonnisos	3.35	317	P	Pn	11 06 30.9 +0.4	PRMD	Pramanda	5.29	304	P	AML	11 06 58.2 +3.0
CHNB	Souda	2.53	241	P	Pn	11 06 19.8 0.0	AOS	Alonnisos	3.35	317	P	Pn	11 06 30.9 +0.4	PRMD	Pramanda	5.29	304	P	AML	11 06 58.2 +3.0
CHAN	Chanina	2.54	242	P	Pn	11 06 19.6 -0.2	AOS	Alonnisos	3.35	317	P	Pn	11 06 30.9 +0.4	PRMD	Pramanda	5.29	304	P	AML	11 06 58.2 +3.0
PRK	Paraskevi	2.54	351	P	S	11 06 20.8 +1.0	AOS	Alonnisos	3.35	317	P	Pn	11 06 30.9 +0.4	PRMD	Pramanda	5.29	304	P	AML	11 06 58.2 +3.0
PRK	Paraskevi	2.54	351	P	S	11 06 52.4 0.0	AOS	Alonnisos	3.35	317	P	Pn	11 06 30.9 +0.4	PRMD	Pramanda	5.29	304	P	AML	11 06 58.2 +3.0
PRK	Paraskevi	2.54	351	P	S	11 06 20.6 +0.8	AOS	Alonnisos	3.35	317	P	Pn	11 06 30.9 +0.4	PRMD	Pramanda	5.29	304	P	AML	11 06 58.2 +3.0
PRK	Paraskevi	2.54	351	P	S	11 06 20.6 +0.8	AOS	Alonnisos	3.35	317	P	Pn	11 06 30.9 +0.4	PRMD	Pramanda	5.29	304	P	AML	11 06 58.2 +3.0
DEMRE	Demre-Antalya	2.56	100	Pn	AML	11 06 19.7 -0.4	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
AYVA	Ayvalik	2.57	358	P	AML	11 06 20.2 0.0	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
AYVA	Ayvalik	2.57	358	P	AML	11 06 20.2 0.0	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
IMMV	Iera Moni Meta	2.61	242	Pn	AML	11 06 20.0 -0.7	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
IMMV	Iera Moni Meta	2.61	242	Pn	AML	11 06 20.0 -0.7	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
IMMV	Iera Moni Meta	2.61	242	Pn	AML	11 06 20.6 -0.2	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
IMMV	Iera Moni Meta	2.61	242	Pn	AML	11 06 20.6 -0.2	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
IMMV	Iera Moni Meta	2.61	242	Pn	AML	11 06 20.7 0.0	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
IMMV	Iera Moni Meta	2.61	242	Pn	AML	11 06 20.7 0.0	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
IMMV	Iera Moni Meta	2.61	242	Pn	AML	11 06 20.4 -0.3	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
IMMV	Iera Moni Meta	2.61	242	Pn	AML	11 06 20.4 -0.3	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
IMMV	Iera Moni Meta	2.61	242	Pn	AML	11 06 22.6 +1.5	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
IMMV	Iera Moni Meta	2.61	242	Pn	AML	11 06 22.6 +1.5	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
IMMV	Iera Moni Meta	2.61	242	Pn	AML	11 06 22.3 +1.3	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
IMMV	Iera Moni Meta	2.61	242	Pn	AML	11 06 22.3 +1.3	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
IMMV	Iera Moni Meta	2.61	242	Pn	AML	11 06 22.6 +1.5	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
IMMV	Iera Moni Meta	2.61	242	Pn	AML	11 06 22.6 +1.5	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
IMMV	Iera Moni Meta	2.61	242	Pn	AML	11 06 22.3 +1.3	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
IMMV	Iera Moni Meta	2.61	242	Pn	AML	11 06 22.3 +1.3	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
IMMV	Iera Moni Meta	2.61	242	Pn	AML	11 06 22.6 +1.5	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
IMMV	Iera Moni Meta	2.61	242	Pn	AML	11 06 22.6 +1.5	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
IMMV	Iera Moni Meta	2.61	242	Pn	AML	11 06 22.3 +1.3	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
IMMV	Iera Moni Meta	2.61	242	Pn	AML	11 06 22.3 +1.3	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
IMMV	Iera Moni Meta	2.61	242	Pn	AML	11 06 22.6 +1.5	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
IMMV	Iera Moni Meta	2.61	242	Pn	AML	11 06 22.6 +1.5	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
IMMV	Iera Moni Meta	2.61	242	Pn	AML	11 06 22.3 +1.3	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
IMMV	Iera Moni Meta	2.61	242	Pn	AML	11 06 22.3 +1.3	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
IMMV	Iera Moni Meta	2.61	242	Pn	AML	11 06 22.6 +1.5	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
IMMV	Iera Moni Meta	2.61	242	Pn	AML	11 06 22.6 +1.5	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
IMMV	Iera Moni Meta	2.61	242	Pn	AML	11 06 22.3 +1.3	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
IMMV	Iera Moni Meta	2.61	242	Pn	AML	11 06 22.3 +1.3	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
IMMV	Iera Moni Meta	2.61	242	Pn	AML	11 06 22.6 +1.5	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
IMMV	Iera Moni Meta	2.61	242	Pn	AML	11 06 22.6 +1.5	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
IMMV	Iera Moni Meta	2.61	242	Pn	AML	11 06 22.3 +1.3	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
IMMV	Iera Moni Meta	2.61	242	Pn	AML	11 06 22.3 +1.3	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	11 06 56.6 +1.4
IMMV	Iera Moni Meta	2.61	242	Pn	AML	11 06 22.6 +1.5	AMT	Manyas	3.40	10	P	Pn	11 06 30.6 +0.1	TSLK	Tsoukalades, L	5.29	295	P	AML	



CMAH	Djebel Manchou	15.55 275	P	P	11 09 09.4 -0.2
DPC	Dobruska-Polom	15.56 334	eP	P	11 09 10.8 +1.3
DPC	Dobruska-Polom	15.56 334	eP	P	11 09 10.8 +1.3
DPC	Dobruska-Polom	15.56 334	eP	P	11 09 10.1 +0.6
DPC	Dobruska-Polom	15.56 334	P	P	11 09 10.2 +0.7
SQTA	Sankt Quirin	15.59 317	ePn	P	11 09 12.1 +2.1
SQTA	comp=Z,140nm,0.5s		eScP	ScP	11 17 19.0 -0.3
ZVC	Zvikov	15.65 328	eP	P	11 09 10.7 +0.2
ZVC	Zvikov	15.65 328	eS	Pn	11 11 44.3 -2.0
BEL	Belsk	15.69 346	eP	P	11 09 12.8 +2.0
KHC	Kasperske Hory	15.69 326	eP	P	11 09 11.7 +0.7
KHC	comp=Z,84nm,0.6s		eS	P	11 09 11.8 +0.7
KHC	Kasperske Hory	15.69 326	eP	P	11 09 11.8 +0.7
KHC	Kasperske Hory	15.69 326	eS	Pn	11 12 05.0 0.0
KHC	Kasperske Hory	15.69 326	eP	P	11 09 11.7 +0.7
KHC	Kasperske Hory	15.69 326	eP	P	11 09 11.7 +0.7
KHC	Kasperske Hory	15.69 326	eP	P	11 09 11.9 +0.9
MOTA	Moaalms	15.72 317	ePn	P	11 09 11.5 +2.0
MOTA	comp=Z,3.6nm,0.3s		eScP	ScP	11 17 19.2 -0.4
FETA	Feichten	15.74 316	iPn	P	11 09 13.4 +1.7
FETA	comp=Z,204nm,0.8s		eScP	ScP	11 17 19.4 -0.3
OSTO	Ostas	15.77 334	eP	P	11 09 12.8 +1.0
OSTO	Ostas	15.77 334	eP	P	11 09 12.8 +1.0
FUORN	Fuornpass-Fuorn	15.78 314	eP	P	11 09 13.7 +1.5
UPC	Udice	15.80 334	eP	P	11 09 13.1 +1.0
UPC	Udice	15.80 334	eP	P	11 09 13.1 +1.0
UPC	Udice	15.80 334	eP	P	11 09 13.1 +1.0
UPC	Udice	15.80 334	eP	P	11 09 13.1 +1.0
CHVC	Chvalec	15.85 334	eP	P	11 09 13.5 +0.7
CHVC	Chvalec	15.85 334	eP	P	11 09 13.5 +0.7
PRU	Pruhonice	15.93 330	eP	P	11 09 13.8 +0.2
PRU	comp=Z,29nm,0.4s		eP	P	11 09 13.8 +0.2
PRU	Pruhonice	15.93 330	eP	P	11 09 13.8 +0.2
PRU	Pruhonice	15.93 330	eP	P	11 09 14.2 +0.5
CBBAR	Babar	15.96 270	eP	P	11 09 14.8 +0.6
KSP	Ksiaz	15.99 335	eP	P	11 09 15.4 +1.2
KSP	Ksiaz	15.99 335	eP	P	11 12 14.4 +2.3
KSP	Ksiaz	15.99 335	eP	P	11 09 15.4 +1.2
KSP	Ksiaz	15.99 335	eP	P	11 09 15.4 +1.2
CAEH	Ain El Ouahch	15.99 276	eP	P	11 09 15.1 +0.8
R9F13	Warsaw-Wawer	15.99 347	eP	P	11 09 15.7 +1.5
R9F13	Warsaw-Wawer	15.99 347	eS	Pn	11 09 15.7 +1.5
RETA	Reutte	16.00 317	ePn	P	11 09 15.7 +1.3
RETA	comp=Z,36nm,0.4s		eP	P	11 09 15.7 +1.3
WET	Wetzell	16.02 325	eP	P	11 09 15.4 +0.7
WET	comp=Z,148nm,1.0s,comp=Z,2um		eP	P	11 09 16.7 +1.0
DAVOX	Davos/Dischmat	16.05 331	eP	P	11 09 16.7 +1.0
DAVOX	comp=Z,50nm,0.6s,baz=129,slow=9.6,SNR=67		S	S	11 12 07.4 -6.6
DAVOX	comp=Z,4.3nm,0.6s,baz=209,slow=19,SNR=1.0		S	S	11 17 18.9 -1.5
DAVOX	comp=Z,2.1nm,0.4s,baz=159,slow=7.1,SNR=3.3		eScP	ScP	11 17 18.9 -1.5
CKFL	Kuf-Lekeh	16.13 275	eP	P	11 09 17.1 +1.0
FUR	Ferstenfeldbräu	16.14 320	eP	P	11 09 16.7 +0.8
CUES	Stuettia	16.24 312	eP	P	11 09 17.5 +1.0
CUES	Stuettia	16.24 312	eP	P	11 09 18.2 +0.9
TUE	Stuettia	16.24 312	eP	P	11 09 19.1 +1.8
TUE	Stuettia	16.24 312	eP	P	11 09 19.1 +1.8
TUE	Stuettia	16.24 312	eP	P	11 09 19.3 +2.0
CASM	Ain Smara	16.34 274	eP	Pn	11 09 20.0 +1.7
MON	Monaco	16.34 301	eP	Pn	11 09 19.6 +1.5
PVCC	Panska Ves	16.35 331	eP	Pn	11 09 19.1 +0.9
PVCC	Panska Ves	16.35 331	eP	Pn	11 09 19.1 +0.9
PVCC	Panska Ves	16.35 331	eP	Pn	11 09 19.3 +1.1
DAVA	Damuels	16.37 315	eP	P	11 09 18.5 -0.1
DAVA	Damuels	16.37 315	ePn	P	11 09 20.1 +1.4
DAVA	comp=Z,112nm,0.3s		eP	Pn	11 09 19.7 +1.0
DAVA	Damuels	16.37 315	eP	Pn	11 09 19.7 +1.0
ESCA	L'Escaerene	16.41 302	eP	Pn	11 09 19.3 +0.3
ESCA	comp=Z,150nm,0.7s,comp=Z,1um		eP	Pn	11 09 19.3 +0.3
CBOS	Bilal Ibnou Ra	16.41 276	eP	Pn	11 09 20.3 +1.2
CTEI	Grafenberg Arr	16.43 324	eP	Pn	11 09 20.8 +1.3
GR3C	Grafenberg Arr	16.46 322	eP	Pn	11 09 19.6 +0.1
UBR	Ueberbrunn	16.47 317	eP	Pn	11 09 20.6 +0.8
COAT	Oued Athmania	16.50 274	eP	Pn	11 09 21.7 +1.4
GR2C	Grafenberg Arr	16.55 322	eP	Pn	11 09 20.8 +0.2
GR2C	Grafenberg Arr	16.55 322	eP	Pn	11 09 21.1 +0.3
GR3B	Grafenberg Arr	16.56 323	eP	Pn	11 09 21.3 +0.5
GR4C	Grafenberg Arr	16.58 323	eP	Pn	11 09 21.9 +0.4
GR4C	Grafenberg Arr	16.58 323	eP	Pn	11 09 21.9 +0.4
GR3B	Grafenberg Arr	16.66 324	eP	Pn	11 09 22.4 +0.4
GR2B	Grafenberg Arr	16.67 323	eP	Pn	11 09 22.6 +0.5
CALF	Calern	16.69 301	eP	Pn	11 09 23.0 +0.4
ISO	Isola	16.74 302	eP	Pn	11 09 24.2 +1.1
GRB1	Grafenberg Arr	16.76 324	eP	Pn	11 09 23.7 +0.4
DFRA	Djebel Bou Aif	16.79 276	eP	Pn	11 09 25.8 +2.0
VORD	Dinvogrine	16.81 28	eP	P	11 09 23.7 0.0
VORD	comp=Z,70nm,0.9s		eP	P	11 09 25.7 +1.4
CJSR	Ain Djasser	16.83 273	eP	Pn	11 09 24.8 +0.4
GRB4	Grafenberg Arr	16.86 324	eP	Pn	11 09 24.8 +0.4
HSKO	Hora Svate Kat	16.86 329	eP	P	11 09 24.5 0.0
BRG	Berggiesshübel	16.82 311	eP	P	11 09 24.8 +0.3
VSR	Storzhevoje	16.96 28	eP	P	11 09 24.0 -0.9
VSR	comp=Z,10.0nm,0.8s		eP	P	11 09 26.6 +0.5
BNALP	Bannalp	16.99 312	eP	Pn	11 09 26.8 +0.7
NKC	Novy Kostel	17.00 327	eP	Pn	11 09 26.8 +0.7
NKC	Novy Kostel	17.00 327	eP	Pn	11 09 26.5 +0.4
NKC	Novy Kostel	17.00 327	eP	Pn	11 09 26.5 +0.4
MAK	Makhachkala	17.06 62	eP	P	11 09 23.9 -2.1
MAK	comp=Z,194nm,0.7s		eS	S	11 12 32.2 -2.5
GRA2	Grafenberg Arr	17.08 324	eP	Pn	11 09 27.1 0.0
TANN	Tannenberghaus	17.13 327	eP	Pn	11 09 27.8 +0.2
CKTS	El Kantara	17.15 271	eP	Pn	11 09 28.8 +0.8
GRA1	Grafenberg Arr	17.17 324	eP	Pn	11 09 28.0 -0.2
GRFO	Grafenberg Arr	17.17 324	eP	P	11 09 27.5 +0.2
GRFO	Grafenberg Arr	17.17 324	eP	P	11 09 27.5 +0.2
GRA3	Grafenberg Arr	17.18 324	eP	Pn	11 09 28.1 -0.1
BNI	Bardonecchia	17.30 305	eP	Pn	11 09 29.6 +0.2
BNI	Bardonecchia	17.30 305	eP	Pn	11 09 30.1 +0.3
VORR	Voronezh	17.35 27	eP	P	11 09 28.5 -0.6
VORR	comp=Z,20nm,0.9s		eP	P	11 09 30.3 +0.3
SENI	Lac Senin/Sane	17.44 310	eP	Pn	11 09 31.1 -0.5
SUW	Suwalki	17.46 353	eP	Pn	11 09 31.6 +0.1
SUW	Suwalki	17.46 353	eP	Pn	11 11 44.0 -0.7
SUW	Suwalki	17.46 353	eP	Pn	11 09 31.9 +0.4
SUW	Suwalki	17.46 353	eP	Pn	11 09 30.6 +0.3

CLL	Collm	17.58 330	iP	P	11 09 32.2 +0.5
CLL	comp=Z,93nm,0.7s		eP	P	11 09 32.2 +0.5
CLL	Collm	17.58 330	eP	P	11 09 32.2 +0.5
CLL	comp=Z,983nm,comp=Z,121nm,0.9s		eP	Pn	11 09 32.5 -0.5
CLL	Collm	17.58 330	iP	P	11 09 32.2 +0.5
CLL	Collm	17.58 330	iP	P	11 09 32.2 +0.5
CLL	comp=Z,93nm,0.7s		iP	P	11 09 35.7
CLL	comp=Z,12nm,1.2s		iP	P	11 09 44.2
STU	Stuttgart	17.61 319	eP	Pn	11 09 33.7 +0.4
STU	Stuttgart	17.61 319	iP	Pn	11 09 33.4 -0.0
STU	Stuttgart	17.61 319	iP	P	11 09 33.2 -0.1
MOX	Moxa	17.66 327	eP	Pn	11 09 33.7 -0.3
ARB	Arbois	17.72 289	eP	P	11 09 35.9 +1.2
CDON	Doucen	17.74 369	eP	Pn	11 09 34.4 -0.7
RUSP	Rustrul	17.74 301	eP	Pn	11 09 35.9 +0.9
ORIF	Oris-en-Rattie	17.78 304	eP	P	11 09 34.7 +0.7
MNK	Minsk	17.79 2	iP	P	11 09 33.2 -0.7
MNK	Minsk	17.79 2	iS	P	11 12 50.1 0.0
MNK	comp=N,10.0nm,0.8s		eP	P	11 09 33.2 -0.7
MNK	comp=Z,91nm,0.8s		eP	P	11 09 33.2 -0.7
MNK	comp=E,74nm,0.8s		eP	P	11 09 33.2 -0.7
MNK	Minsk	17.79 2	iP	P	11 09 33.2 -0.7
MNK	comp=N,10.0nm,0.8s		eP	P	11 09 33.2 -0.7
MNK	comp=Z,91nm,0.8s,baz=183		iP	P	11 09 57.2 -3.7
MNK	Minsk	17.79 2	iS	P	11 10 13.9 -7.2
MNK	Minsk	17.79 2	iS	P	11 12 50.1 0.0
BFO	Black Forest	17.82 316	iP	P	11 09 35.4 -0.5
BFO	Black Forest	17.82 316	iP	P	11 09 34.9 +0.5
BFO	Black Forest	17.82 316	iP	P	11 09 34.9 +0.5
GKP	Gorka Klasztor	17.83 341	eP	Pn	11 09 35.5 -0.4
GKP	Gorka Klasztor	17.83 341	eP	Pn	11 09 35.5 +0.7
MAHO	Mahon	17.85 287	eP	P	11 09 33.0 -2.9
MAHO	Mahon	17.85 287	eP	P	11 09 33.0 -2.9
BOURR	Bourrignon	17.96 312	eP	P	11 09 36.7 +0.7
VRH	Novokhopynsk	17.96 32	eP	P	11 09 34.9 -1.0
VRH	comp=Z,40nm,0.8s		eP	P	11 09 37.2 -0.8
NEUB	Neuenburg	18.01 328	eP	Pn	11 09 37.2 -0.8
LRSP	Galich'ya Gora	18.02 24	eP	P	11 09 36.8 +0.4
LRSP	comp=Z,53nm,0.7s		eP	P	11 09 38.5 +0.3
GIMEL	St. Georges /	18.18 309	eP	P	11 09 38.8 +0.7
GIMEL	comp=Z,304nm,0.3s,comp=Z,3um		eP	P	11 09 40.0 -0.7
NACGM	Naroch	18.17 360	eP	P	11 09 39.0 +0.4
ATKJ	Tikijda	18.21 276	eP	Pn	11 09 39.2 +0.6
RUE	Ruedersdorf	18.22 334	eP	P	11 09 39.2 +0.6
RUE	Ruedersdorf	18.22 334	eP	P	11 09 39.2 +0.6
ABSD	Ouled Sidi Bra	18.31 273	eP	P	11 09 40.7 -0.1
WIMM	Wimmelburg	18.35 328	eP	P	11 09 40.4 +0.3
ECH	Echery	18.42 315	eP	P	11 09 41.3 +0.4
ECH	Echery	18.42 315	eP	P	11 09 41.6 +0.7
AKET	Djebel Ketaf	18.45 275	eP	P	11 09 42.4 +0.8
SSB	Saint Sauveur	18.79 304	iP	P	11 09 45.0 -0.1
SSB	Saint Sauveur	18.79 304	iP	P	11 09 45.0 -0.1
ISAL	Salakas	18.85 359	eP	P	11 09 46.4 +0.9
PABE	Paberze	18.87 355	eP	P	11 09 46.2 +0.5
PABE	Paberze	18.87 355	eP	P	11 09 46.2 +0.5
TNS	Tausen Mitte	18.88 321	eP	P	11 09 46.5 +0.6
LNIZ	Loecknitz	18.92 336	eP	P	11 09 46.8 +0.6
ADCK	Dar Chikouk	19.01 271	eP	P	11 09 48.1 +0.5
ABA	Alger-Bouzarea	19.03 277	eP	P	11 09 47.8 +0.2
GTGG	Göttingen	19.04 326	eP	P	11 09 48.3 +0.7
ETOS	Mallorca	19.06 286	eP	Pn	11 09 49.4 -1.2
FLTG	Flechtingen	19.07 300	iP	P	11 09 47.4 -0.5
FLTG	Flechtingen	19.07 300	iP	P	11 09 47.5 -0.3
KBD	Kabd	19.07 107	eP	P	11 09 49.1 +1.0
KBD	Kabd	19.07 107	eP	P	11 13 14.3 -1.8
CLZ	Clausthal	19.07 328	eP	P	11 09 48.1 +0.2
ABRIN	Birine	19.13 274	eP	P	11 09 48.8 0.0
ASSE	Asse, Remlinge	19.15 329	eP	P	11 09 48.7 0.0
EJON	La Jonquera	19.26 295	eP	P	11 09 49.8 -0.3
EJON	La Jonquera	19.26 295	eP	P	11 09 50.2 +0.1
SJAF	Saint Jean de	19.27 295	eP	P	11 09 50.0 -0.2
VSYD	Vaisvystial	19.35 355	eP	P	11 09 51.3 +0.4
OBN	Obninsk	19.56 17	eP	P	11 09 54.5 +1.3
OBN	comp=Z,30nm,0.4s,baz=231,slow=22,SNR=4.3		S	S	11 13 20.0 -5.3
OBN	comp=Z,28nm,0.4s,baz=206,slow=20,SNR=5.9	</			









Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ESJX, DUZA, DPP, EIW2, CBX, BLYC, etc.

PRE 01 11:26:41.2-0.7,25.76Sx29.54E,h0km,ML2.6,Suspected explosion
BGSI 01 11:26:43.5-1.3,25.63Sx29.97E,h0km,46km,ML2.9, Presumed earthquake
BUL 01 11:26:47.1-1.0,25.71Sx29.91E,h10km,MD3.4, Presumed earthquake
ISC 01 11:26:43.0-0.5,25.69Sx0.03x29.62E,0.03,h0km,n22, c#65/37,South Africa

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like CRLN, RUST, HOED, MPHEP, MTLB, MUSN, etc.

JMA 01 11:28:00.4-0.3,24.4N,0.8x123.8E,0.8,h8km,3km, MV1.1/9,NEAR ISHIGAKIJIMA ISLAND,Southeastern Ryukyu Islands
Code Station Name Azimuth Phase ID Time Res
IRIF Iriomote-Funau 0.09 212 i P Pn 11 28 07.0 +0.0
IRIF Iriomote-Funau 0.09 212 i S Sg 11 28 04.3 +0.1
JKRS Kuro-shima 0.27 130 i P Pn 11 28 06.1 +0.3
JKRS Kuro-shima 0.27 130 i S Sg 11 28 10.3 +0.9
JIJ Ishigaki jima 0.33 99 p Pp 11 28 06.5 -0.5
JIJ Ishigaki jima 0.33 99 p S Sg 11 28 11.4 +0.1
HATJ Hateruma jima 0.35 177 p Pp 11 28 07.3 +0.0
HATJ Hateruma jima 0.35 177 e S Sg 11 28 12.1 +0.1
JISG Ishigakijimahi 0.51 70 e Pp 11 28 10.7 +0.4
JYNG Yanagunijimaku 0.77 273 e S Sg 11 28 25.2 +0.1
JTJ Tarama 0.87 75 e S Sg 11 28 29.9 +0.5

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TWB1, TIPB, SX11, TWC, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like NNDH, YM01, TATO, etc.

UPP 01 11:36:32.9-0.2,63.82N,16.24E,h0km,ML2.6,Suspected explosion
DNK 01 11:36:33.0-0.4,63.81N,16.25E,h0km,ML2.6(UPP), Explosion
IDC 01 11:36:42.2-1.6,63.22N,16.91E,h0km,mbmp2.5/4, ML1.8/4, Error ellipse: s-maj=19.7km s-min=11.3km az=149.0
ISC 01 11:36:32.0-1.0,63.86N,0.05x16.29E,0.03,h0km,n18, c#883/29,Sweden

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SOLU, SOLL, SODU, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like HFS, FINES, etc.

ISK 01 11:37:11.4,41.12N,34.98E,h5km,ML3.7/40
IDC 01 11:37:12.5,41.21N,34.71E,h0km,mb3.4/2, mbmp3.4/4,ML3.4/2, Error ellipse: s-maj=27.6km s-min=12.1km az=130.0
CFUSG 01 11:37:12.9,41.20N,34.90E,h5km,Mb3.2/7,MD3.1/6, MSH3.2/7
AFAD 01 11:37:12.0,41.10N,34.94E,h7km,2km,MW3.7
ISC 01 11:37:12.4-1.1,41.12N,0.02x34.94E,0.02,h0km,9km,n75,c#116/103,1D,Turkey
Code Station Name Azimuth Phase ID Time Res
KAGI urum-Kargi 0.35 273 Op Sg 11 37 25.0 +1.3
AYAZ Ayes K'tiy, M 0.45 188 P Sg 11 37 21.2 +0.3
BOYA Sinop/Boyabat- 0.46 335 P Sg 11 37 26.9 +0.2
BOYA Sinop/Boyabat- 0.46 335 P Sg 11 37 21.5 +0.3
HAVZ Havza 0.59 94 S Pp 11 37 27.8 -3.0
HAVZ Havza 0.59 94 S Sg 11 37 32.1 +0.8

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like YARM, TOS, KIZO, etc.













Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, QSPA South Pole Qui, etc.

NEIC 01 14:46:41.5z 2.0, 33.08N, 0.011:15:51W, 0.01, h0km, 3km, M3.5/52, Mw3.6/4(PAS), Error ellipse: s-maj=2.1km s-min=1.6km az=180.0

ISC 01 14:46:42.8z 1.7, 33.15N:115:55W, h0km, mbmt2.9/4, M3.2/4, Error ellipse: s-maj=17.4km s-min=10.7km az=22.0

PAS 01 14:46:42.0z 1.9, 33.06N, 0.011:15:58W, 0.01, h10km, 3km, Error ellipse: s-maj=1.9km s-min=1.5km az=170.0

ISC 01 14:46:42.3z 1.0, 33.06N, 0.02:15:59W, 0.02, h21km, 1km, n68, r1920/81, Southern California

Main station list table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like WEMD Westmorland, OBB Obsidian Butte, SWSC Sam W. Stewart, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like W13A Hualapai Mount, OSI Osito Audit, TUC Tucson, etc.

ISC 01 14:57:30.4z 0.6, 54.98N:164:69E, h0km, mb4.1/29, mbmp4.2/35, M4.4/5, MS3.3/18, Error ellipse: s-maj=14.8km s-min=10.0km az=158.0

NEIC 01 14:57:32.9z 1.6, 55.00N:10:16:46E, 0.1, h10km, 1km, mb4.5/64, Error ellipse: s-maj=17.4km s-min=10.6km az=339.0

KRSC 01 14:57:32.2z 1.8, 54:80N:164:57E, h53km, 30km, Mc4.3, M5.1

GFZ 01 14:57:32.0z 0.3, 55.15N:5.16E, h10km, M5.1/24, mb4.7/24, Error ellipse: s-maj=11.3km s-min=7.3km az=144.7, confirmed

MOS 01 14:57:34.3z 0.8, 54:86N:164:62E, h45km, mb4.6/13, Error ellipse: s-maj=5.0km s-min=4.6km az=102.8

BUI 01 14:57:35.0z 54:90N:164:40E, h50km, mb4.9/2, mb4.7/24, M54.2/2, M57.4/02

ISC 01 14:57:34.1z 0.8, 54:85N:164:60E, 0.03, h25km, 6km, n296, r1935/332, mb4.5/77, MS3.4/17, 12C-20

Main station list table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like BKI Bering, BKI Bering, BKI Bering, etc.

Main station list table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like SMAR Somma, SMAR Somma, SMAR Somma, etc.





Table with columns: BROLN, Tihalongang, 5.40 343, i P, Pn, 15 41 47.7 +0.1, 15 42 45.9 -4.5, 15 43 22.7

Table with columns: SOOWA, Sowa, 6.27 335, i P, Pn, 15 41 59.6 +0.2

JMA 01 15:41:18.7-0.1, 25°N, 122°55'E, 0.3, h99km, 1km, MV1.9/11, NW OFF ISHIGAKIJIMA IS

TAP 01 15:41:18.5, 24.67N, 122.41E, h107km, ML2.0, C

ISC 01 15:41:19.0-1.4, 24.59N, 122.50E, 0.03, h96km, 7km, n104, 0.09/202, 1D, Taiwan region

Main table of station data for the first section, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and ISC.

Main table of station data for the second section, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and ISC.

NEIC 01 15:47:52.9-1.6, 19.2S, 0.1x174.0W, 0.1, h35km, 2km, mb4.6/30, Error ellipse: s-maj=23.1km s-min=16.2km az=4.0

ISC 01 15:48:12.2-2.0, 19.84S, 174.99W, h159km, 37km, mb3.7/3, mbmp4.2/6, MS3.3/7, Error ellipse: s-maj=42.0km s-min=25.0km az=62.0

ISC 01 15:47:52.2-0.5, 19.2S, 0.1x173.99W, 0.06, h35km, n54, 0.13/46, mb4.5/13, MS3.5/5, Tonga Islands

Main table of station data for the third section, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and ISC.

Table with columns: QSPA, Iamb, Iamb, 15 59 29.0, 15 59 36.5 +0.6, 16 31 08.3, 17 32 40.9, 17 32 49.8, 17 32 53.0, 16 35 17.6, 16 31 12.8, 16 07 39.2 +1.7, 16 07 38.2 +0.7, 16 07 44.0 +1.0, 16 07 42.5 -1.5

HEL 01 16:02:04.9-0.1, 60.13N, 25.24E, h0km, ML1.4, Explosion, IDC 01 16:02:09.0-7.0, 60.32N, 25.71E, h0km, mbtmp3.2/1, ML2.4/1, Error ellipse: s-maj=52.7km s-min=18.8km

ISC 01 16:02:03.9-1.0, 60.15N, 0.05x25.27E, 0.03, h0km, n23, 0.06/26, Finland

Main table of station data for the fourth section, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and ISC.

IDC 01 16:38:22.0-13.0, 25.68S, 68.40W, h0km, mb4.0/1, mbmp4.0/1, Error ellipse: s-maj=701.2km s-min=110.5km az=8.0

GUC 01 16:38:37.4-0.6, 24.62S, 0.04x68.91W, 0.09, h121km, 10km, n15, 0.09/61, 20, 13, Chile-Argentina border region

Main table of station data for the fifth section, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and ISC.

IDC 01 16:50:02.9-1.7, 24.05S, 66.73W, h192km, 15km, mb3.3/5, mbmp4.0/10, Error ellipse: s-maj=20.2km s-min=13.9km az=90.0

SJA 01 16:50:02.7-0.7, 24.12S, 66.91W, h208km, 6km, ML4.0, MW3.8

NEIC 01 16:50:02.6-2.6, 24.16S, 0.06x66.85W, 0.09, h185km, 6km, mb4.1/2, Error ellipse: s-maj=13.0km s-min=8.5km az=109.0

ISC 01 16:50:02.6-0.7, 24.17S, 0.04x66.92W, 0.04, h195km, 6km, n78, 0.16/61, 109, mb3.3/4, 2C, Saita Province

Main table of station data for the sixth section, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and ISC.







GADA	GvKgeada	1.40	333	P	AML	AML	Pn	17 44 59.2 +0.3
GADA	Lapseki	1.43	1	Pn	AML	AML	Pn	17 44 59.4 +0.1
SUSR	Susurluk-Balik	1.46	45	Pn	AML	AML	Pn	17 44 59.8 +0.1
GELI	Tayfur-Gelibol	1.46	352	Pn	AML	AML	Pn	17 45 00.0 +0.2
EFSA	Agios Efstrati	1.48	294	Pn	AML	AML	Pn	17 45 00.1 +0.1
KRBG	Karabiga-Canak	1.51	16	Pn	AML	AML	Pn	17 45 00.5 +0.1
LIA	Limnos Island	1.53	309	P	AML	AML	Pn	17 45 01.1 +0.4
LIA	Kula-Manisa	1.56	105	Pn	AML	AML	Pn	17 45 01.7 +0.4
NAZL	Nazilli-Aydin	1.57	128	Pn	AML	AML	Pn	17 45 01.5 +0.3
DST	Dursunbey	1.60	65	Pn	AML	AML	Pn	17 45 01.9 +0.1
EDC	Erdincik	1.65	32	Pn	AML	AML	Pn	17 45 02.1 -0.2
ERIK	Erikli-Kesan	1.73	354	Pn	AML	AML	Pn	17 45 03.7 +0.2
SIRIA	Simav-Kutahya	1.75	85	Pn	AML	AML	Pn	17 45 04.3 +0.4
SMAA	Simav-Kutahya	1.75	84	Pn	AML	AML	Pn	17 45 04.7 +0.8
BAND	Balkesir-Ban	1.76	36	Pn	AML	AML	Pn	17 45 03.6 -0.2
RKY	Sarkoy-Tekirda	1.77	11	Pn	AML	AML	Pn	17 45 04.5 +0.4
SMTH	Samothraki Isl	1.79	329	Pn	AML	AML	Pn	17 45 04.6 +0.4
SMTH	Samothraki Isl	1.79	329	Pn	AML	AML	Pn	17 45 04.4 +0.2
CAVK	Edirne/Enez-Ca	1.80	346	Pn	AML	AML	Pn	17 45 05.0 +0.6
KCTX	Karacabey (Bur	1.82	43	Pn	AML	AML	Pn	17 45 04.8 +0.1
ENEZ	Enez	1.84	346	Pn	AML	AML	Pn	17 45 05.6 +0.6
ENEZ	Enez	1.84	346	Pn	AML	AML	Pn	17 45 06.0 +0.9
GAZK	Gazikoy-TEKIRD	1.86	14	Pn	AML	AML	Pn	17 45 05.3 +0.1
BDRM	Kayabasi	1.96	163	Pn	AML	AML	Pn	17 45 07.4 +0.8
ALX	Alexandroupoli	2.02	342	Pn	AML	AML	Pn	17 45 07.2 +0.5
ALN	Alexandroupoli	2.02	345	Pn	AML	AML	Pn	17 45 07.6 +0.2
KARY	Karystos	2.02	244	Pn	AML	AML	Pn	17 45 06.5 -1.0
APR	Apeiranthos	2.10	207	Pn	AML	AML	Pn	17 45 07.2 -1.4
YER	Yerkesik	2.18	146	Pn	AML	AML	Pn	17 45 10.0 +0.3
TAVA	DENIZLI_Tavas	2.26	130	Pn	AML	AML	Pn	17 45 11.4 +0.5
OUR	Ouranopolis	2.54	304	Pn	AML	AML	Pn	17 45 14.8 +0.2
KAVA	Kavala	2.67	321	Pn	AML	AML	Pn	17 45 16.1 -0.2
KDZ	Kurdzhali	2.89	339	Pn	AML	AML	Pn	17 45 20.2 +0.8
SILT	Site	3.13	44	Pn	AML	AML	Pn	17 45 22.8 +0.1
RZN	Rozhen	3.14	332	Pn	AML	AML	Pn	17 45 23.6 +0.6
DIM	Dimitrovgrad	3.22	344	Pn	AML	AML	Pn	17 45 24.5 +0.6
MMB	Musomishita	3.46	320	Pn	AML	AML	Pn	17 45 28.2 +0.9
JMB	Yambol	3.54	358	Pn	AML	AML	Pn	17 45 28.7 +0.3
SAHE	Sakarya_HENDEK	3.69	58	Pn	AML	AML	Pn	17 45 30.3 -0.2
KEPZ	Antalya-Kepez	4.36	116	Pn	AML	AML	Pn	17 45 40.7 +1.1
VTS	Vitosha	4.53	325	Pn	AML	AML	Pn	17 45 43.6 +1.5
MPPE	Mtlo Peshstene	4.95	334	Pn	AML	AML	Pn	17 45 49.0 +1.2
KIRS	Kirsehir-Merke	5.59	96	Pn	AML	AML	Pn	17 45 57.7 +1.1
TIRR	Tirgusor	5.65	12	Pn	AML	AML	Pn	17 45 57.8 +0.5
BOVS	Bovan	6.02	323	Pn	AML	AML	Pn	17 46 03.5 +1.1
CFR	Caracul	6.31	9	Pn	AML	AML	Pn	17 46 05.9 -0.5
MLR	Muntele Rosu	6.57	355	Pn	AML	AML	Pn	17 46 09.6 -0.4
ARG	Arges	6.60	347	Pn	AML	AML	Pn	17 46 11.0 +0.5
VOIR	Voiron	6.67	350	Pn	AML	AML	Pn	17 46 11.0 +0.5
LOT	Lotru	6.86	342	Pn	AML	AML	Pn	17 46 14.6 +0.6
PLOR	Plostinia	6.90	359	Pn	AML	AML	Pn	17 46 15.2 +0.7
VRI	Vrincioaia	6.92	360	Pn	AML	AML	Pn	17 46 15.3 +0.6
MDVR	Moldova	6.93	329	Pn	AML	AML	Pn	17 46 15.4 +0.4
GZR	Gura Zlata	7.08	337	Pn	AML	AML	Pn	17 46 17.5 +0.4
DOPR	Dopca	7.09	352	Pn	AML	AML	Pn	17 46 17.8 +0.7
SEV	Sevastopol'	7.62	41	ex	pmax	pmax	Pn	17 46 23.3 -1.1
SEV	comp=Z,3.0m,0.5s							
SEV	comp=N,2.0m,0.3s							
BZS	Buzias	7.67	332	Pn	AML	AML	Pn	17 46 25.6 +0.6
MARR	Marisel-Cluj	8.17	342	Pn	AML	AML	Pn	17 46 31.4 -0.6
SUDU	Sudak	8.55	43	ex	pmax	pmax	Pn	17 46 40.7 +3.5
SUDU	comp=Z,5.0m,0.4s							
SUDU	comp=N,5.0m,0.3s							
BURAR	Bucovina Arr	8.73	353	Pn	AML	AML	Pn	17 46 40.6 +0.8

SANI	Soe	7.19	242	P	AML	AML	Pn	18 17 19.6 +1.0
SOEI	Soe	7.19	242	P	AML	AML	Pn	18 17 37.5 -1.4
SOEI	Soe	7.19	242	P	AML	AML	Pn	18 17 19.6 +1.0
SOEI	Soe	7.19	242	P	AML	AML	Pn	18 17 18.9 +0.3
SOEI	Soe	7.19	242	P	AML	AML	Pn	18 17 19.8 +1.1
BAKI	Blak	7.49	46	P	AML	AML	Pn	18 17 23.8 +1.2
BAKI	Blak	7.49	46	P	AML	AML	Pn	18 18 42.9 -3.0
BNTI	Ternate	7.91	335	P	AML	AML	Pn	18 17 28.6 +0.3
TNTI	Ternate	7.91	335	P	AML	AML	Pn	18 17 28.3 0.0
TNTI	Ternate	7.91	335	P	AML	AML	Pn	18 17 28.4 0.0
TNTI	Ternate	7.91	335	P	AML	AML	Pn	18 17 28.3 0.0
BATI	Baumata	7.92	241	P	AML	AML	Pn	18 17 24.1 -4.3
BATI	Baumata	7.92	241	P	AML	AML	Pn	18 18 45.8 -1.1
WAMI	Warana	8.35	73	P	AML	AML	Pn	18 17 39.3 +5.0
KDI	Kendari	8.44	287	P	AML	AML	Pn	18 17 39.9 +4.4
MMRI	Maumere	8.69	255	P	AML	AML	Pn	18 17 39.4 +0.5
MMRI	Maumere	8.69	255	P	AML	AML	Pn	18 19 14.4 -0.8
MMRI	Maumere	8.69	255	P	AML	AML	Pn	18 17 40.4 +3.5
EDFI	Ende Flores	9.24	255	P	AML	AML	Pn	18 17 48.3 +1.8
KKSI	Kotaka, Sulawesi	9.31	284	P	AML	AML	Pn	18 17 51.9 +4.6
KNRA	Kunurra	9.38	192	P	AML	AML	Pn	18 17 46.5 -1.7
MMPI	Merauke	9.79	102	P	AML	AML	Pn	18 17 53.9 +0.1
GENI	Genyem	10.16	68	P	AML	AML	Pn	18 18 00.3 +1.4
GENI	Genyem	10.16	68	P	AML	AML	Pn	18 19 54.1 +3.1
GENI	Genyem	10.16	68	P	AML	AML	Pn	18 17 59.6 +0.7
APSI	Ampna	10.59	301	P	AML	AML	Pn	18 18 08.0 +3.3
JAY	Jayapura	10.69	69	P	AML	AML	Pn	18 18 06.0 -0.1
JAY	Jayapura	10.69	69	P	AML	AML	Pn	18 20 01.4 -2.4
WSI	Waingapu	10.81	252	P	AML	AML	Pn	18 18 05.7 -1.9
LBFI	Labuhan Bajo	10.93	259	P	AML	AML	Pn	18 18 09.7 +0.4
KAPI	Kapang	11.01	271	P	AML	AML	Pn	18 18 11.3 +1.3
PCI	Palu	12.17	296	P	AML	AML	Pn	18 18 29.7 +3.9
MMSI	Mamuju	12.55	117	P	AML	AML	Pn	18 18 32.2 -3.5
TOLJ	Tolitoli	12.44	307	Pn	AML	AML	Pn	18 18 30.5 +1.2
TOLJ	Tolitoli	12.44	307	Pn	AML	AML	Pn	18 18 30.4 +1.0
TOLJ	Tolitoli	12.44	307	Pn	AML	AML	Pn	18 18 33.3 -3.4
DBNI	Kabupaten Demp	14.27	260	P	AML	AML	Pn	18 18 29.3 -0.5
FITZ	Fitzroy Crossi	12.60	203	P	AML	AML	Pn	18 18 28.2 -3.2
FITZ	Fitzroy Crossi	12.60	203	P	AML	AML	Pn	18 20 35.6 -1.4
FITZ	Fitzroy Crossi	12.60	203	P	AML	AML	Pn	18 23 26.3
FITZ	Fitzroy Crossi	12.60	203	P	AML	AML	Pn	18 20 27.0 -4.4
FITZ	Fitzroy Crossi	12.60	203	P	AML	AML	Pn	18 18 28.0 -3.4
PLAI	Plampang	13.05	259	P	AML	AML	Pn	18 18 35.4 -1.9
PLAI	Plampang	13.05	259	P	AML	AML	Pn	18 18 35.7 -1.6
DLMP	Dori Marcelino	13.43	338	eP	AML	AML	Pn	18 18 48.1 +0.4
WRB	Warramunga Arr	13.72	165	P	AML	AML	Pn	18 18 41.1 -4.9
WRB	Tennant Creek	13.87	166	P	AML	AML	Pn	18 18 43.2 -4.7
WRB	Tennant Creek	13.87	166	P	AML	AML	Pn	18 18 42.7 -5.2
WRB	Tennant Creek	13.87	166	P	AML	AML	Pn	18 18 43.4 -4.5
WRA	Warramunga Arr	13.87	166	P	AML	AML	Pn	18 18 43.4 -4.6
WRA	Warramunga Arr	13.87	166	P	AML	AML	Pn	18 21 08.8 -1.2
WRA	Warramunga Arr	13.87	166	P	AML	AML	Pn	18 18 41.5 -6.5
WRA	Warramunga Arr	13.87	166	P	AML	AML	Pn	18 18 46.3 -2.2
WRB	Warramunga Arr	13.93	165	P	AML	AML	Pn	18 18 43.4 -5.3
CDOP	Cateel, Davao	14.76	343	P	AML	AML	Pn	18 19 04.4 +1.0
KHKI	Kahang-Kahang	15.11	262	P	AML	AML	Pn	18 19 04.1 +0.3
BIPH	Biglis	15.17	349	P	AML	AML	Pn	18 19 07.0 0.0
BIPH	Musan	15.30	338	P	AML	AML	Pn	18 19 55.5 +3.2
BUPK	Rangdo, Negare	15.76	262	P	AML	AML	Pn	18 19 07.4 +1.1
RTBI	Rangdo, Negare	15.76	262	P	AML	AML	Pn	18 19 13.8 0.0
CGP	Cagayan de Oro	15.97	338	eP	AML	AML	Pn	18 19 17.4 +1.5
BBKI	Banjar Bara	16.09	280	P	AML	AML	Pn	18 19 19.2 +1.9
QIS	Mount Isa	16.47	149	P	AML	AML	Pn	18 19 18.4 -2.2
PMG	Port Moresby	16.54	101	P	AML	AML	Pn	18 19 24.4 +2.1
PMG	Port Moresby	16.54	101	P	AML	AML	Pn	18 22 16.2 -9.2
PMG	Port Moresby	16.54	101	P	AML	AML	Pn	18 19 23.9 +1.6
PMG	Port Moresby	16.54	101	P	AML	AML	Pn	18 19 21.5 -0.1
PMG	Port Moresby	16.54	101	P	AML	AML	Pn	18 19 24.3 +2.1
JAGI	Jajag, Banyuwa	16.55	262	P	AML	AML	Pn	18 19 20.1 -1.6
JAGI	Jajag, Banyuwa	16.55	262	P	AML	AML	Pn	18 19 17.7 -4.1
JAGI	Jajag, Banyuwa	16.55	262	P	AML	AML	Pn	18 19 17.7 -4.6
MYLD	Lahad Datu	16.80	313	P	AML	AML	Pn	18 19 24.8 -0.1
MYLD	Lahad Datu	16.80	313	P	AML	AML	Pn	18 19 27.0 +2.0
MYLD	Lahad Datu	16.80	313	P	AML	AML	Pn	18 19 26.5 +1.5
PKKI	Palangkat	17.21	283	P	AML	AML	Pn	18 19 32.2 +2.4
AS31	Alice Springs	17.40	170	P	AML	AML	Pn	18 19 29.8 -1.9
ASAR	Alice Springs	17.40	170	P	AML	AML	Pn	18 19 31.6 -0.1
ASAR	Alice Springs	17.40	170	P	AML	AML	Pn	18 22 34.0 -1.2
ASAR	Alice Springs	17.40	170	P	AML	AML	Pn	18 19 29.6 -2.0
ASO1	Alice Springs	17.40	170	P	AML	AML	Pn	18 19 31.5 -0.2
MTSU	Mount Surprise	17.63	132	P	AML	AML	Pn	18 19 40.2 -0.1
MTSU	Mount Surprise	17.63	132	P	AML	AML	Pn	18 19 35.8 -1.0
LLP	Lapu-Lapu	17.96	338	eP	AML	AML	Pn	18 19 39.1 +0.4
MBWA	Marble Bar	18.09	215	P	AML	AML	Pn	18 22 57.8 -0.7
MBWA	Marble Bar	18.09	215	P	AML	AML	Pn	18 19 40.2 -0.1
MBWA	Marble Bar	18.09	215	P	AML	AML	Pn	18 22 55.5 -5.7
MBWA	Marble Bar	18.09	215	P	AML	AML	Pn	18 19 39.0 -0.2
MBWA	Marble Bar	18.09	215	P	AML	AML	Pn	18 19 40.3 0.0
PLP	Palangkat	18.40	342	eP	AML	AML	Pn	18 19 43.5 -0.5
SJI	Sawahan	18.86	265	P	AML	AML	Pn	18 19 48.6 +0.8



Table with columns: HYB, HYB, OPO, ATD, KMBO, LODK, LODK, LODK, LDK, LDK, IPM, BRDH, RAYN, RAYN, EVN, EVN, EVN, MDSI, SHL, NIL, NIL, NIL, MORE, CM31, CM31, CMAR, CMAR, KBL, KBL, CHTO, CHTO, CHTO, CHTO, HRA, MBAR, MBAR, LSA, LSA, LEM, CTJ, LSZ, LSZ, LSZ, DRK, DRK, KSH2, BTK, BTK, MATP, WOJI, OHH, STKI, ASAI, ARK, WUS, TARG, EIL, KDJ, KDJ, AAK, AAK, AAK, KKR, ASF, FRU1, PRN1, HO4N2, HO4N1, HO4N3, JAGI, PDGK, LBTB, MMAI, GMI, BOS, BOS, BOS, MAZK, MAZK, MAZK, MKAR, KOOLE, LZH, LZH, LZH, GTA2, GTA2, GTA2, KBZ

Table with columns: KAPI, AB31, ABKAR, TSUM, BRTR, BRTR, TOLJ, AKTO, SURR, KURBB, KURK, KURK, KURK, NVAO, BWAR, BATI, ZAAO, ZALV, ZALV, DAV, FITZ, FITZ, ARTI, KEND, SONMI, SONMI, SONMI, VRI, MLR, TLY, AKASG, SIJI, TRPA, JOW, MORH, MAW, MAW, MAW, WRA, WRA, WRAB, WRAB, ASAR, ASAR, ASAR, AS31, WRB, RONA, ARZBERG, SOKA, CONA, TORD, OBKA, KRUC, VRAC, KRSR, KRSR, HILR, MOA, KBA, JNU, BIOA, ABTA, LESA, GERES, WTTA, WATA, SQTA, META, META, FUORN, FUORN, RETA, DAVOX, DAVOX, BNX, BNX, DAVA, DAVA, DAVA, CLL, QIS, SENIN, SENIN, USKR, DBIC

Table with columns: INKA, STKA, STKA, KLR, HFS, MJAR, MJAR, NOA, MDT, ARCES, ESDC, ESDC, CTA, CTA, GSPA, GSPA, GSPA, MA2, VNSA, BELA, BELA, PETK, PDAR, PDAR, NVAR, TX31, TX31, TXAR, TXAR

IDC 01 18:42:55.0, 7.1, 48N; 100.99W, h0km, mb4.0/6, mbmp4.0/6, MS3.6/18, Error ellipse: s-maj=46.6km s-min=22.0km az=56.0, NEIC 01 18:42:58.2, 7.1, 91N; 0.8, 100.5W, 0.1, h10km, 1km mb4.1/1, Error ellipse: s-maj=26.2km s-min=10.6km az=252.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res

1d 19h

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like WAKE ISLAND Hy 92.00 288 T, Alice Springs 123.07 243 PKPKP, etc.

PAS 01 18:49:37.0±1.1, 33.020N:0.006:115:57W:0.01, h5km, 5km, Error ellipse: s-maj=1.6km s-min=0.9km az=90.0

NEIC 01 18:49:36.7±1.1, 33.016N:0.008:115:57W:0.01, h7km, 3km, ML2.4/36, ML2.5/25(PAS), Error ellipse: s-maj=1.7km s-min=0.8km az=124.0, Southern California

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Lists numerous stations across California.

IDC 01 18:59:33.4±2.4, 52.30N:106.62E, h0km, mbtmp3.1/3, ML3.3/3, Error ellipse: s-maj=24.2km s-min=17.4km az=25.0

MOS 01 18:59:34.6±0.9, 52.23N:106.61E, h12km, mb3.5/2, Error ellipse: s-maj=1.15km s-min=0.7km az=79.9

BYKL 01 18:59:35.8±0.1, 52.228N:106.53E, h25km, 2km, FELT I=III MSK at Irkutsk, II-III at Shelekhov

ISC 01 18:59:36.9±0.9, 52.27N:106.56E:0.02, h18km, 3km, n52, c194/102, 9C-10D, Lake Baykal region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Lists stations in the Lake Baykal region.

2020 OCT

Main station list table for 2020 OCT with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Lists stations like Khuramsha, Bolshoye Golou, etc.

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Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Lists stations like Nizh Angarsk, Orlik, Ulanbaatar, etc.

SKHL 01 19:06:08.5±0.1, 43.90N:145.60E, h12km, 1km, mb5.1/4 JMA 01 19:06:08.4±0.1, 43.9N:0.4:145.6E:0.7, h19km, 1km, MV2.9/37, NEAR KUNASHIRI ISLAND

ISC 01 19:06:08.4±0.9, 43.90N:0.04:145.57E:0.03, h17km, 7km, n13, c948/22, Hokkaido region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Lists stations in the Hokkaido region.

IDC 01 19:06:46.9±0.8, 7.90S:123.00E, h182km, 8km, mb3.7/15, mbtmp4.2/21, Error ellipse: s-maj=18.4km s-min=9.1km az=75.0

DJA 01 19:06:50.4±0.3, 8.3S:2.12E, h21km, 5km, M4.2/30, mb4.6/6, mb4.2/14, MLV4.3/30, MW(ML)3.8/6

NEIC 01 19:06:50.4±1.0, 7.95S:0.08:123.08E:0.09, h213km, 6km, mb4.4/26, Error ellipse: s-maj=14.1km s-min=9.5km az=53.0

ISC 01 19:06:50.0±0.6, 8.00S:0.04:123.10E:0.05, h215km, 5km, n98, c1948/112, mb4.1/25, Flores region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Lists stations in the Flores region.



1d 21h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KDJ Kajisay, PDGK Podgornoye, TARG Taragay, etc.

NNC 01 19:40:56.9±0.4, 43.33N:77.91E, h0km, mb2.0, mpv2.7, Error ellipse: s-maj=3.9km s-min=2.2km az=176.0

KRNET 01 19:40:58.3±0.1, 43.29N:77.85E, h21km, mb2.4

SOME 01 19:40:57.7±0.9, 43.31N:77.90E, h15km

ISC 01 19:40:57.7±0.9, 43.31N:77.91E±0.02, h12km±7km, n38, c085/74, 11C-5D, Lake Issyk-Kul region

Main table for the first column, listing station codes, names, and coordinates. Includes stations like KURS Kuram, SATY Saty, ANVS Anan'yev, etc.

2020 OCT

Table with columns: KRBS Karabastau, KRBS Karabastau, KRBS Karabastau, etc. Includes station codes and coordinates.

NEIC 01 19:43:33.4±1.4, 191.9±1.0, 177.48W±0.09, h584km±10km, mb4.1/9, Error ellipse: s-maj=21.0km s-min=6.5km az=208.0

ISC 01 19:43:35.0±1.7, 18.85S:177.61W, h605km±17km, mb3.5/5, mbmp4.5/7, Error ellipse: s-maj=53.5km s-min=18.7km az=153.0

ISC 01 19:43:34.1±1.0, 18.9S:02x177.6W±0.1, h600km, n23, c083/25, mb4.1/10, Fiji Islands region

Main table for the second column, listing station codes, names, and coordinates. Includes stations like MSVF Nonsavu, AFU Futu, AFI Afiamalu, etc.

TEH 01 20:29:19.2, 40.70N:51.84E, h10km, ML3.6, Presumed earthquake

AZER 01 20:29:24.3, 40.55N:51.53E, h27km, ml2.9

DRS 01 20:29:25.2, 40.39N:51.37E, h54km

ISC 01 20:29:21.5±3.3, 40.39N:51.80E±0.06, h12km±24km, n45, c1817/74, Caspian Sea

Main table for the third column, listing station codes, names, and coordinates. Includes stations like GBS Gobustan, ATGU Altighaj, SIZA Siyaz, etc.

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Table with columns: MNGR Mingchevir, MNGR Mingchevir, AGDM Agdam, etc. Includes station codes and coordinates.

IDC 01 21:07:27.8±0.8, 4.09S:69.95E, h0km, mb4.0/16, mbmp4.0/16, MS3.7/50, Error ellipse: s-maj=23.1km s-min=18.3km az=40.0

NEIC 01 21:07:29.6±1.2, 4.20S:0.7x70.04E±0.09, h10km±1km, mb4.7/61, Error ellipse: s-maj=15.6km s-min=11.9km az=294.0

GFZ 01 21:07:30.9±0.2, 4.4S:4.70E±, h10km, M4.6/32, mb4.6/32, GCMT 01 21:07:32.6±0.4, 4.16S:0.02x70.14E±0.02, h19km±1km, MW4.7/77, Moment Tensor Solution. s6:7, s7:7, c101; Duration: 0 Moment tensor. Scale 10^16Nm; Mr=0.50±.11; Mw=1.48±.08; Mwp=0.98±.07; Mw0.35±.17; Mw0.78±.08; Mwp=0.09±.16; Best double couple: M1:1.50500x10^16 NP1:0.29.00000, 0.74.00000, -1.175.00000; NP2: 0.298.00000, 0.86.00000, -1.16.00000; Principal axes: T:1.7480, P1g:0.0000, Azm:344.0000; N: -0.4920, P1g73.0000; Azm:103.0000; P: -1.2610, P1g14.0000; Azm:252.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 01 21:07:29.4±0.4, 4.08S:0.06x70.15E±0.06, h10km, n191, c1155/149, mb4.5/86, MS3.8/51, Chagos Archipelago region

Main table for the fourth column, listing station codes, names, and coordinates. Includes stations like DGAR Diego Garcia, KAAM Kaadheedhoo, HMDM Hammaadhdoo, etc.







az=86.0  
NEIC 01 21:42:37.2-1.6,33°104N:0007-115°62W,0'01,  
h5km,1km,ML3.0/46,ML3.0/114(PAS),Error ellipse:  
s-maj=2.0km s-min=1.5km az=138.0,Southern  
California

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various seismic stations and their associated data points.

TEH 01 21:50:26.6,34°64'N:46°33'E,h8km,14km,ML3.2,  
Presumed earthquake  
ISN 01 21:50:35.4,19.0,34°27'N:46°08'E,h0km,498km,ML3.2,  
Presumed earthquake  
ISC 01 21:50:25.5-1.0,34.74N:0.0:04.4627E:0.04,h12km,7km,  
n15,±107/20,Western Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations for the TEH, ISN, and ISC events.

IHRH Heris 3.62 10 Pn Pb 21 51 27.4 -2.2

ISC 01 21:50:45.9-0.6,62°09'S:57°37'W,h0km,mb4.1/10,  
mbmp4.1/11,ML3.6/1,MS3.5/1,Error ellipse:  
s-maj=24.2km s-min=13.9km az=107.0  
NEIC 01 21:50:46.4-1.7,62°28'S:07°58'20W:0.09,h1km,4km,  
mb4.6/17,Error ellipse: s-maj=9.9km s-min=6.3km  
az=190.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations for the IHRH event and the ISC event.

ORCD Orcadas 6.40 82 Pn Pn 22 04 24.8 +0.3  
USHA Ushuaia 9.29 318 LR LR 22 07 57.6

BELA Belgrano 2 17.31 164 P Pn 22 06 52.1 +0.4  
COYC Coyhaique 18.64 327 P Pn 22 07 06.7 -1.3  
VNA3 Neumayer Olymp 20.95 136 P Pn 22 07 30.8 +1.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations for the ORCD, USHA, BELA, COYC, VNA3, and other events.



Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MDOK Medeo, TNS5 Tian-Shan, AAA Ala-Alta, etc.

KRSC 01:22:25:26.6±2.0, 48.86km±156.10E, h69km±35km, M13.8, East of Kuril Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SKR Severo-Kuril's, PAV Pauzhetka, etc.

IDC 01:22:37:29.9±4.1, 14.225±167.12E, h216km±36km, mb3.7/11, mbtmp4.2/12, Error ellipse: s-maj=26.0km s-min=22.3km az=64.0

ISC 01:22:37:27.9±0.9, 14.212±190.09E, h167.2±0.2, h200km, n15, c135/16, mb3.9/10, Vanuatu Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, DZM Port Moresby, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, etc.

NEIC 01:22:47:30.5±2.1, 33.070N;0.004-115.61W;0.01, h10km, 1km, ML3.3/5, Mwr3.9/4(PAS), Error ellipse: s-maj=2.9km s-min=1.9km az=107.0

PAS 01:22:47:31.0±2.1, 33.060N;0.004-115.58W;0.01, h11km, 4km, Error ellipse: s-maj=1.7km s-min=0.4km az=106.0

IDC 01:22:47:31.4±1.6, 33.16N;115.55W, h0km, mbtmp3.1/5, ML3.5/3, Error ellipse: s-maj=17.2km s-min=9.8km az=26.0

ISC 01:22:47:30.5±0.8, 33.03N;0.02±115.59W;0.02, h15km±5km, n74, c109/101, Southern California

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WEMD Westmorland, IMPPE Imperial, etc.

COA 01:22:56:15.8±1.0, 14.33N;9.37W, h54km, M4.7/33, mb4.7/33

GCMT 01:22:56:18.2±0.8, 14.33N;0.04;93.33W;0.05, h28km±1km, M4.8/67, Moment Tensor Solution, s28.c32; s67.c79;

NEIC 01:22:56:18.2±2.2, 14.31N;0.06;92.92W;0.05, h35km±2km, mb4.6/298, M4.7/59(MEX) Error ellipse: s-maj=9.8km s-min=7.9km az=172.0

IDC 01:22:56:21.6±2.3, 14.43N;92.57W, h75km, 18km, mb4.0/23, mbtmp4.3/26, MS3.8/36, Error ellipse: s-maj=20.8km s-min=10.0km az=44.0

ISC 01:22:56:17.0±0.8, 14.18N;0.05;92.98W;0.03, h48km±7km, n519, c178/550, mb4.6/136, MS3.9/33, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like THIG, JUEM, MATGU, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like TJX Tijuana, 113A Danby, etc.

GCG 01:22:56:11.2±1.2, 13.92N;93.12W, h14km±45km, MD4.9, Presumed earthquake

CATAC 01:22:56:15.2±0.5, 14.1N;3.9W, h19km±5km, M5.2/48, mb5.2/18, mb5.7/16, MLV.5/48, Mw(mB)5.2/16, Mw(mwp)6.2/1, Mwp6.2/1, Mwp6.2/1, Error ellipse: s-maj=7.3km s-min=4.3km az=54.5, Moment Tensor Solution, Moment tensor: Scale 10^19Nm; Mr=0.36; Mw=2.16; Mww2.51; Mww3.92; Mww3.42; Mr=2.73; Fault plane solution: M=33271x10^15, NP1=343.328262, s64.239222, l=143.190011, NP2=243.932262, s64.239222, l=15.70866; Principal axes: T 4.4772, Plg14.9444, Azm109.2015; N 2.7683, Plg51.3667, Azm359.6926; P -7.2455, Plg34.6517; Azm209.8326; confirmed

MEX 01:22:56:15.8±1.0, 14.09N;93.06W, h16km, MD4.7, Presumed earthquake

GFZ 01:22:56:18.7±0.2, 14.1N;3.9W, h54km, M4.7/33, mb4.7/33

NEIC 01:22:56:18.2±2.2, 14.31N;0.06;92.92W;0.05, h35km±2km, mb4.6/298, M4.7/59(MEX) Error ellipse: s-maj=9.8km s-min=7.9km az=172.0

IDC 01:22:56:21.6±2.3, 14.43N;92.57W, h75km, 18km, mb4.0/23, mbtmp4.3/26, MS3.8/36, Error ellipse: s-maj=20.8km s-min=10.0km az=44.0

ISC 01:22:56:17.0±0.8, 14.18N;0.05;92.98W;0.03, h48km±7km, n519, c178/550, mb4.6/136, MS3.9/33, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like THIG, JUEM, MATGU, etc.

1d 22h

Table with columns for location, time, and status. Includes entries like LOAL Las Nubes, NUBE Las Nubes, NUBE Las Nubes, NUBE Cerro Verde, etc.

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Table with columns for location, time, and status. Includes entries like PLIG Platanillo, PLIG Platanillo, PLIG El Cayaco, etc.

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Table with columns for location, time, and status. Includes entries like Y52A Liburn, Y52A Liburn, CPRX Cap Rock, etc.



US6A US6A	King	24.79	25	P	P	23 01 32.8	-2.0		
OLIL V56A	Olney Windy Hill, Pi	24.83 24.86	9 28	P	P	23 01 31.4	-3.8		
KSU1 T25A CBKS CBKS	comp-Z,23nm,1.1s Kansas State U Trinidad Cedar Bluff	25.02 25.03 25.25	353 348 348	P P P	P	23 01 35.2	-1.4		
P40A P40A	comp-Z,19nm,0.8s Paris	25.26	2	I	Amb	23 01 36.6	-2.4		
P38A X18A ATAH	comp-Z,20nm,0.8s Dawn Snowflake Atahualpa	25.35 25.41 25.66	359 326 346	P P LR	P	23 01 39.3	-0.5		
SDCO SDCO	comp-Z,22nm,18.2s Great Sand Dun	25.97	37	P	P	23 01 47.6	+1.7		
X16A Q52A Q52A	comp-Z,19nm,1.2s Lo Mia Camp, P Bidwell	26.16 26.43	324 19	P I	P	23 01 49.0	+1.5		
N38A T59A T59A	comp-Z,14nm,0.9s Joos South For Double "B" Far	26.51 26.56	360 28	P I	Amb	23 01 49.1	-1.2		
MVCO MVCO	comp-Z,13nm,0.8s Mesa Verde	26.78	32	I	Amb	23 01 54.6	+1.5		
MVCO MVCO	comp-Z,14nm,0.8s Mesa Verde	26.78	332	P	P	23 01 54.7	+1.5		
CPXB ESJX ESJX	comp-Z,22nm,0.8s Cerro Prieto Sierra Juarez	27.28 27.48	316 314	P I	P	23 01 58.5	+1.1		
PV01 PV01	comp-Z,20nm,0.9s Paradox Valley	27.57	333	P	P	23 02 01.5	+1.2		
PV13 PV13	comp-Z,22nm,1.4s Radium Mtn., P	27.70	332	P	I	23 02 03.2	+1.8		
PV15 PV02 PV05 PV05	comp-Z,23nm,1.0s Paradox Valley Paradox Valley Paradox Valley	27.70 27.70 27.76	333 333 332	P P P	P	23 02 02.7	+1.3		
PV03 PV18 PV12 ISCO ISCO	comp-Z,20nm,1.0s Paradox Valley Skein Mesa, Pa Saucer Basin, Idaho Springs	27.79 27.81 27.82 27.83	333 333 333 339	P P P I	Amb	23 02 04.1	+1.9		
ISCO	comp-Z,16nm,1.5s Idaho Springs	27.83	339	P	P	23 02 04.3	+0.8		
PV11 PV07 PV07	comp-Z,13nm,1.8s David Mesa, Pa Paradox Valley	27.84 27.86	333 333	P I	Amb	23 02 04.2	+1.6		
PV17 PV16 PV19 PV20 PV04 PV14 PV10 PV10	comp-Z,19nm,1.1s East Wray Mesa Nyswonger Mesa Morning Glory West Nyswonger Paradox Valley Lion Creek, Pa Paradox Valley	27.86 27.87 27.92 27.92 27.93 27.97	332 332 332 332 333 332 332	P P P P P P P	P	23 02 04.2	+1.4		
PV22 PV23 U15A PV21 PV21	comp-Z,24nm,1.0s Blue Mesa, Pa Carpenter Ridg Hualapai Mount North Rim Cone Mtn., Par	28.00 28.03 28.08 28.09 28.10	333 333 332 333 333	P P P P I	Amb	23 02 05.7	+1.7		
CBX HMU	comp-Z,12nm,0.9s Cerro Bola Henry Mountain	28.16 28.43	314 330	P I	Amb	23 02 08.2	+2.7		
P57A P57A	comp-Z,19nm,1.5s Homestead Farm	28.44	25	P	I	23 02 05.7	-1.9		
JFWS JFWS	comp-Z,13nm,1.0s Jewell Farm	28.73	4	P	Amb	23 02 09.6	-0.6		
PFO SMRT	comp-Z,10nm,0.7s Pinyon Flats O comp-Z,15nm,19.1s	28.77 28.97	316 78	LR P	LR	23 02 11.1	-1.6		
O20A O20A	comp-Z,7nm,1.2s White River C	29.11	335	I	Amb	23 02 14.8	+1.0		
SRU SSPA SSPA P18A ECSD ECSD	comp-Z,12nm,1.2s San Rafael Swe Standing Stone Cedar City Preston Nutter EROS Data Cent EROS Data Cent	29.25 29.47 29.50 29.54 29.61 29.61	331 331 326 335 335 335	P P P P P P	P	23 02 16.4	+1.2		
P17A P17A	comp-Z,22nm,1.9s Butcher Ranch,	29.64	331	P	P	23 02 20.3	+1.7		
PSUT BSUT S11A S11A	comp-Z,16nm,1.5s Pine Spring Blindstream Ca Rachel	30.48 30.51 30.91	327 333 323	P P I	Amb	23 02 28.1	+2.1		
DUG	comp-Z,14nm,1.2s Dugway, Tooele	31.20	330	P	P	23 02 32.5	+0.3		
TCUT RSSD	comp-Z,3,1nm,0.9s Toone Canyon Black Hills	31.27 31.30	333 345	P P	P	23 02 34.7	+1.7		
BINY	comp-Z,5.4nm,0.8s Binghamton	31.55	25	P	P	23 02 39.9	-2.3		
HWUT HWUT	comp-Z,17nm,2.6s Hardware Ranch	31.73	333	I	Amb	23 02 37.9	+0.9		
HWUT	comp-Z,5.9nm,0.9s Hardware Ranch	31.73	333	P	P	23 02 37.2	+0.2		
PD31 PDAR	comp-Z,8.0nm,0.9s Pinedale Array Pinedale Array	31.87 31.87	337 337	P P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87	337	P	P	23 02 39.5	+1.2		
PDAR	comp-Z,0.5nm,0.7s Pinedale Array	31.87	337	P	P	23 02 38.5	+0.3		
PDAR	comp-Z,2.1nm,0.9s Pinedale Array	31.87							

2020 OCT

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like AF01 San Pedro de A, SLA San Lorenzo, FSA Cafayete, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like AC05 El Transito, LCO Las Campanas, PB16 IPOC Station P, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like BDFB Brasilia, PMNB Patos De Minas, PMNB Patos De Minas, etc.

IDC 02 00:08:03.1±2.7,30/40S±177.39W,h0km,mb3.5/2, mbtpm3.6/3,ML2.9/1, Error ellipse: s-maj=66.1km s-min=23.2km az=112.0, Kermedec Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RAO Raoul Island, URZ Urewera, etc.

IGQ 02 00:10:53.2±0.5,0°S,3°8'1W±,h15km,2km,M3.7/21, mb5.0/1,Mjma3.4/21,ML3.5/20,MLV3.2/15,Ms(BB)3.5/16, Near coast of Ecuador

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CAB1 Cabo Pasado-Ma, ABH3 Bahai, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like JAMA, PEVC, ISPT, etc.

WEL 02 00:14:53.2.2.1, 32'S, 167°17'8"E, h351km, 36km, M3.9/12, mB4.0/4, ML4.0/7, MLv4.2/12, Mw(mB)3.0/4, Error ellipse: s-maj=27.7km s-min=12.8km az=130.1, confirmed, North of New Zealand

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like RIZ, RAO, OAH, etc.

NIED 02 00:42:52.2.31\*27N, 128°64E, h7km, MW3.7, Moment Tensor Solution... s3 Moment tensor: Scale 10^14Nm; M1=0.36; M2=2.14; M3=2.50; M4=1.91; M5=3.32; M6=0.68; Fault plane solution: M4.53000x10^14 NP1: 0.72.00000°, 88.00000°, -1.27.00000°

JMA 02 00:42:52.0.3, 31.3N, 0.6E, 12.9E, h7km, 2km, MW3.7/27, SW OFF KYUSHU, Northwest of Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like JSJ, KJC, JSU, etc.

KRNET 02 00:54:16.0.1, 40.58N, 77.37E, h18km, mb3.0 SOME 02 00:54:16.0.1, 40.60N, 77.45E, h5km NNC 02 00:54:17.2.0.9, 40.61N, 77.46E, h0km, mb3.6, mpv3.2, Error ellipse: s-maj=6.2km s-min=3.9km az=176.0

ISC 02 00:50:18.3.1.4, 40.65N, 0.06E, 7.0E, h10km, n41, 0.132/67, 14C-16D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like TARG, NRN, KDJ, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like SATY, MDOK, MDOK, etc.

IDC 02 00:56:30.4e.1.2, 25°73'S, 129°94'E, h0km, mbtmp4.0/5, ML3.8/4, Error ellipse: s-maj=13.5km s-min=12.3km az=180.0

AUST 02 00:56:30.8.0.2, 26°52'S, 133°0'E, h10km, mb3.8/15, ML3.2/17, Error ellipse: s-maj=4.7km s-min=3.8km az=4.0, confirmed

ISC 02 00:56:29.8.0.7, 25.66S, 0.05E, 129.88E, 0.04, h10km, n57, 0.175/72, Northern Territory

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like WRKA, AUAL, ASAR, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like FORT, MULG, MULG, etc.

WATNG WATNG Wattoning, WA 11.48 241 P AML Pn 00 59 13.4 -0.4

BCON Beacon, Wester 11.68 244 P Pn 00 59 16.7 +0.1

STKA Stephens Creek 11.99 124 Pn Pn 00 59 19.2 -1.7

STKA Mount Isa 10.29 62 Pn Pn 00 58 57.7 +0.1

QIS Mount Isa 10.29 62 Pn Pn 00 58 57.7 +0.1

QIS Marble Bar 10.34 294 Pn Pn 00 58 56.6 -1.7

MBWA Marble Bar 10.34 294 Pn Pn 00 58 56.3 -2.0

WATNG Wattoning, WA 11.48 241 Pn Pn 00 59 13.3 -0.4

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WATNG Wattoning, WA 11.48 241 Pn Pn 00 59 13.4 -0.4

BCON Beacon, Wester 11.68 244 Pn Pn 00 59 16.7 +0.1

STKA Stephens Creek 11.99 124 Pn Pn 00 59 19.2 -1.7

STKA Mount Isa 10.29 62 Pn Pn 00 58 57.7 +0.1

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STKA Stephens Creek 11.99 124 Pn Pn 00 59 19.2 -1.7

STKA Mount Isa 10.29 62 Pn Pn 00 58 57.7 +0.1

Table with columns: VADS, PRVG, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Standard Deviation, Elevation Standard Deviation, Azimuth Bias, Elevation Bias, Azimuth Standard Error, Elevation Standard Error, Azimuth Bias Error, Elevation Bias Error, Azimuth Standard Error Error, Elevation Standard Error Error.

SKHL 02 01:06:06.0, 1.41, 80N, 150.80E, h45km, 4km, mb4.8/4
JMA 02 01:06:07.5, 0.7, 45 N, 150.80E, h30km, MV3.9/17,
KURILE ISLANDS REGION
IDC 02 01:06:16.7, 2.2, 46:41N, 150.35E, h178km, 22km, mb3.3/7,
mbmp3.7/9, Error ellipse: s-maj=39.0km s-min=16.6km
az=168.0

ISC 02 01:06:07.8, 4.5, 45.0N, 150.6E, 0.2, h39km, n29,
c078/22, mb3.9/7, Kuril Islands

Main table of station data for Kuril Islands region, including columns for Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Standard Deviation, Elevation Standard Deviation, Azimuth Bias, Elevation Bias, Azimuth Standard Error, Elevation Standard Error, Azimuth Bias Error, Elevation Bias Error, Azimuth Standard Error Error, Elevation Standard Error Error.

Table of station data for Kuril Islands region, including columns for Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Standard Deviation, Elevation Standard Deviation, Azimuth Bias, Elevation Bias, Azimuth Standard Error, Elevation Standard Error, Azimuth Bias Error, Elevation Bias Error, Azimuth Standard Error Error, Elevation Standard Error Error.

IDC 02 01:35:15.5, 1.6, 59:89N, 153.38W, h110km, 28km, mb3.7/6,
mbmp4.0/10, Error ellipse: s-maj=38.6km s-min=11.3km
az=110.0

NEIC 02 01:35:17.5, 1.0, 59:87N, 153.43W, 0.06,
h130km, 3km, ML3.4/146, ML3.3(AEIC), Error ellipse:
s-maj=5.8km s-min=4.5km az=206.0

AEIC 02 01:35:18.4, 1.0, 59:84N, 153.41W, 0.09,
h128km, 4km, Error ellipse: s-maj=6.3km s-min=5.6km
az=98.0

ISC 02 01:35:17.0, 1.7, 59:84N, 153.34W, 0.03,
h136km, 5km, n208, c1900/196, mb3.9/6, Southern Alaska

Main table of station data for Southern Alaska region, including columns for Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Standard Deviation, Elevation Standard Deviation, Azimuth Bias, Elevation Bias, Azimuth Standard Error, Elevation Standard Error, Azimuth Bias Error, Elevation Bias Error, Azimuth Standard Error Error, Elevation Standard Error Error.

Main table of station data for various regions including Kuril Islands, Southern Alaska, and other areas, including columns for Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Standard Deviation, Elevation Standard Deviation, Azimuth Bias, Elevation Bias, Azimuth Standard Error, Elevation Standard Error, Azimuth Bias Error, Elevation Bias Error, Azimuth Standard Error Error, Elevation Standard Error Error.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like UZB Uzunbulak, KBL Kabul, SATY Saty, etc.

SFS 02 01:52:54.3, 42.83N:1.44W, h0km, mb3.7/4, ML3.9/8, ML3.9/8, MLV4.0/8, LDG 02 01:52:54.7, 0.1, 42.83N:1.47W, h2km, Md3.1/1, M12.7/15, Error ellipse: s-maj=2.3km s-min=2.1km az=125.0, MDD 02 01:52:54.8, 0.1, 42.82N:1.47W, h1km, mb\_Lg2.5/44, Error ellipse: s-maj=1.7km s-min=1.1km az=0.0, ISC 02 01:52:54.0, 0.8, 42.83N:0.02, 1.47W:0.02, h11km, 6km, n41, c159/85, Pyrenees

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EARA Aranguren, EARA Ste Jean, EALK Alkurruntz, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LASF Ste Croix, LASF Tobarra, TCF Toulx Ste Croi, etc.

SFS 02 02:07:25.2, 42.83N:1.49W, h0km, mb3.8/5, ML4.0/10, ML4.0/10, MLV4.1/10, LDG 02 02:07:25.5, 0.1, 42.84N:1.47W, h2km, Md3.0/1, M12.7/12, Error ellipse: s-maj=2.3km s-min=2.1km az=83.0, MDD 02 02:07:25.4, 0.2, 42.81N:1.48W, h1km, mb\_Lg2.5/41, Error ellipse: s-maj=1.6km s-min=1.1km az=5.0, STR 02 02:07:27.4, 0.0, 43.0N:0.2, 1.4W:0.2, h5km, MLV2.1/15, LOC SAT earthModeID pyrenees\_taup-2.11 preliminary ISC 02 02:07:24.6, 0.8, 42.83N:0.02, 1.50W:0.02, h13km, 6km, m66, c1534/110, 1C-1D Pyrenees

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EARA Aranguren, EARA Ste Jean, EALK Alkurruntz, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MFF Saint Martin d Calabar, VERF Verneugehol, LASF Ste Croix, etc.

ISC 02 02:42:43.2, 6.0, 8.96S: 114.70E, h78km, 55km, mb3.5/6, mbmp3.9/8, ML4.3/2, MS2.8/2, Error ellipse: s-maj=47.0km s-min=16.5km az=62.0, DJA 02 02:42:46.3, 0.3, 9.9'S, 6.11'E, h68km, 5km, M4.4/31, mb5.4/1, mb4.6/7, MLV4.4/31, Mw(mB)4.9/1, ISC 02 02:42:45.5, 0.7, 9.02S:0.08, 114.78E:0.04, h103km, n45, c1510/46, mb3.7/6, South of Ball

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IGBI Denpasar, IGBI Denpasar, DNP Denpasar, etc.



0.4nm,0.4s,baz=151,slow=3.3,SNR=2.3  
0.4nm,0.4s

IDC 02 03:22:20.1±2.0, 59.09N:154.73W, h112km,32km, mb3.9/4, mbmp4.4/8, Error ellipse: s-maj=36.0km s-min=21.4km az=11.0  
NEIC 02 03:22:20.8±1.5, 58.94N:0.04:154.60W:0.08, h134km,2km, mb4.4/11, ML4.0/132, ML3.9(AEIC), Error ellipse: s-maj=6.1km s-min=5.3km az=126.0  
AEC 02 03:22:22.1±1.4, 58.92N:0.04:154.55W:0.08, h129km,4km, Error ellipse: s-maj=6.2km s-min=5.5km az=120.0  
ISC 02 03:22:20.7±0.6, 58.93N:0.04:154.52W:0.03, h137km,5km, n266, c1904/259, mb4.3/11, 1D, Alaska

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Lists various stations like Katmai, Augustine, and others with their respective coordinates and data.

Table with columns: SEW, Seward, 2.83 63, IAML, 03 23 40.2, etc. Lists stations like Aniakchak Peak, Katmai, and others with their respective coordinates and data.

Table with columns: L26K, Log Cabin Wind, 6.80 48, Pn, 03 23 57.5, etc. Lists stations like Eielson Array, Augustine, and others with their respective coordinates and data.

GII 02 03:24:12.9±0.0, 34.181N:0.002:25.524E:0.001, h0km, Mw3.8, confirmed  
ISK 02 03:24:12.7, 34.31N:25.56E, h5km, ML3.3/17  
IDC 02 03:24:13.4±0.9, 34.37N:25.44E, h0km, mb4.0/7, mbmp3.9/14, ML3.5/7, Error ellipse: s-maj=16.4km s-min=12.2km az=19.0  
ATH 02 03:24:14.0, 34.25N:25.52E, h5km,2km, ML3.5/8, Latitude uncertainty: 2 km; Longitude uncertainty: 1 km  
THE 02 03:24:15.1, 34°N:8°25'E, h0km,8km, M3.4/12, MLh3.4/12  
NEIC 02 03:24:15.2±2.1, 34.37N:0.06:25.54E:0.03, h10km,1km, mb4.0/8, Error ellipse: s-maj=10.7km s-min=2.9km az=20.0  
ISC 02 03:24:13.1±1.5, 34.30N:0.05:25.55E:0.03, h5km,10km, n98, c139/125, mb3.9/7, Crete

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Lists stations like Agios Nikolaos, Sivas, and others with their respective coordinates and data.















2d 7h

Table of seismic data for 2d 7h, including station names (e.g., GTA2, GOMU), magnitudes, and times.

2020 OCT

Main table of seismic data for 2020 OCT, listing stations (e.g., MA2, DZA, KKRK), magnitudes, and times.

94

Table of seismic data for 94, including stations (e.g., NB2, NOA, VYHS), magnitudes, and times.

TRN 02:07:12.35: 0.10; 80N-62.15W, h86km, MD3.6, North of the Paria peninsula.

FUNV 02:07:03.05: 3.1; 78.5N-62.26W, h30km, MW3.2, Presumed earthquake

ISC 02:07:13:02: 7.3; 1.078N-62.092:33W:0.11, h90km, 41km, n11, s31/22, NE coast of Venezuela

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC.

IDC 02:07:16:26.9: 5.3, 36.30N: 70.98E, h142km, 47km, mb3.9/9, mbmp4.3/14, Error ellipse: s-maj=36.9km s-min=15.5km az=31.0

MOS 02:07:16:31.1: 0.8, 36.53N: 70.95E, h190km, mb4.2/6, Error ellipse: s-maj=9.6km s-min=4.3km az=76.0

NEIC 02:07:16:32.2: 2.0, 36.56N: 70.94E: 0.1, h185km, 8km, mb4.3/19, Error ellipse: s-maj=12.0km s-min=5.4km az=86.0

NNC 02:07:16:35.0: 3.4, 36.91N: 70.79E, h160km, 45km, mb3.7, mpv4.6, Error ellipse: s-maj=35.2km s-min=11.4km az=32.0

ISC 02:07:16:31.8: 0.5, 36.53N: 0.05: 70.89E: 0.05, h188km, n155, s144/173, mb4.2/19.7: 2D, Hindu Kush region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC.

NRN	Naryn	6.31 38	PN	Pn	07 18 01.6 -1.6
NRN	Naryn	6.31 38	PN	Pn	07 18 01.6 -1.6
DZA	Taraz	6.36 3 ePN	Pn	Pn	07 18 03.7 +0.2
DZA	Taraz	6.36 3 ePN	Pn	Pn	07 18 03.8 +0.2
MRKS	Merke	6.46 15	Pg	Pn	07 18 04.7 -0.2
MRKS	comp=N,66nm,0.4s		Lg	Lg	07 19 11.0
EKS2	Erkin-Say	6.52 19	P	Pn	07 18 05.8 +0.1
KK31	Karatay Array	6.57 358	↑P	Pn	07 18 04.0 -2.3
KK31	comp=N,12nm,0.3s,baz=190,slow=13,SNR=286		↑S	↑S	07 19 14.8 -6.2
KK31	comp=N,33nm,0.4s,baz=180,slow=17,SNR=18				
KK31	Karatay Array	6.57 358	PN	Pn	07 18 05.9 -0.4
KKAR	Karatay Array	6.57 358	ePN	Pn	07 18 05.9 -0.4
KKAR	Karatay Array	6.57 358	ePN	Pn	07 18 05.8 -0.5
AAK	Ala-Archa	6.71 23	P	Pn	07 18 07.5 -0.7
AAK	comp=N,31nm,0.5s,baz=206,slow=9,0,SNR=92		S	Sn	07 19 20.9 -3.5
AAK	Ala-Archa	6.71 23	P	Pn	07 18 08.3 +0.2
AAK	Ala-Archa	6.71 23	↑P	Pn	07 18 08.0 -0.1
AAK	Ala-Archa	6.71 23	ePN	Pn	07 18 08.2 0.0
AAK	comp=Z,38nm,0.8s				
AAK	Karagaybulak	6.87 26	P	Pn	07 18 08.1 0.0
ULHL	Ulhalo	7.05 34	P	Pn	07 18 12.8 0.0
CHMS	Chumysh	7.11 24	P	Pn	07 18 13.2 -0.2
USP	Ospenovka	7.28 21	P	Pn	07 18 14.7 -0.8
TMK2	Tokmak 2	7.34 28	P	Pn	07 18 16.4 -0.2
HRA	Herat	7.37 256	PN	Pn	07 18 16.4 -0.7
KDJ	Kajisay	7.42 39	PN	Pn	07 18 17.4 -0.1
KDJ	Kajisay	7.42 39	PN	Pn	07 18 17.3 -0.1
TARG	Taragay, Kyrgy	7.47 44	PN	Pn	07 18 17.5 -1.0
TARG	Taragay, Kyrgy	7.47 44	PN	Pn	07 18 17.5 -1.0
SGDS	Sogindy	7.49 21	eP	Pn	07 18 17.2 -1.1
SMLA	Simla	7.50 134	eS	Sn	07 18 18.0 -0.5
SMLA	comp=N,42nm,0.4s				
SMLA	comp=N,42nm,0.4s				
WUS	Wushu	8.00 52	P	Pn	07 18 24.3 -0.8
TNSS	Tian-Shan	8.00 34	P	Pn	07 18 24.7 -0.7
TNSS	Tian-Shan	8.00 34	ePN	Pn	07 18 24.9 -0.4
TNSS	Tian-Shan	8.00 34	ePN	Pn	07 18 24.9 -0.4
AAA	Alma-Ata	8.12 33	ePN	Pn	07 18 26.5 -0.1
AAA	Alma-Ata	8.12 33	ePN	Pn	07 18 26.5 -0.1
MDOk	Medeo	8.14 34	ePN	Pn	07 18 26.7 -0.3
MDOk	Medeo	8.14 34	eS	Sn	07 19 58.5 +0.1
MDOk	Medeo	8.14 34	eS	Sn	07 18 26.8 -0.3
MDOk	Medeo	8.14 34	eS	Sn	07 19 58.6 +0.1
KOTs	Kotyrbulak	8.23 34	P	Pn	07 18 28.3 +0.2
SATY	Saty	8.71 39	ePN	Pn	07 18 34.1 -0.3
SATY	Saty	8.71 39	ePN	Pn	07 18 34.2 -0.3
KURs	Kuram	8.91 37	P	Pn	07 18 37.4 +0.4
UZB	Uzynbulak	9.10 41	P	Pn	07 18 39.4 -0.1
UZB	Uzynbulak	9.10 41	eP	Pn	07 18 39.2 -0.2
UZB	Uzynbulak	9.10 41	eP	Pn	07 18 39.3 -0.2
KPKs	Kokpek	9.15 38	eP	Pn	07 18 39.7 -0.4
KPKs	Kokpek	9.15 38	eP	Pn	07 18 39.8 -0.4
ARXs	Arharly	9.32 32	P	Pn	07 18 41.3 -1.0
SHLS	Shalkode	9.34 42	eP	Pn	07 18 45.3 +2.7
SHLS	Shalkode	9.34 42	eP	Pn	07 18 45.4 +2.7
PDGK	Podgornoye	9.47 42	P	Pn	07 18 43.0 -1.3
PDGK	Podgornoye	9.47 42	P	Pn	07 18 43.0 -1.3
KUDL	Kundal	9.61 149	eS	Sn	07 18 49.7 +3.6
KUDL	Kundal	9.61 149	eS	Sn	07 20 24.0 -9.4
TDK	Taldyqorghan	10.20 32	eP	Pn	07 18 53.8 +0.1
TDK	Taldyqorghan	10.20 32	eP	Pn	07 18 53.9 +0.1
MAKZ	Makanchi	13.18 35	P	Pn	07 19 31.2 -0.6
MAKZ	Makanchi	13.18 35	P	Pn	07 19 31.2 -0.6
MK31	Makanchi Array	13.32 36	eP	Pn	07 19 33.6 0.0
MKAR	Makanchi Array	13.32 36	eP	Pn	07 19 33.5 -0.1
MKAR	comp=E,11nm,0.9s,baz=219,slow=13,SNR=93				
MKAR	Makanchi Array	13.32 36	eP	Pn	07 19 33.7 +0.1
MKAR	comp=Z,1.0nm,0.3s				
MKAR	Makanchi Array	13.32 36	eP	Pn	07 19 33.9 +0.3
WMQ	Urumqi	14.75 55	eP	Pn	07 19 52.8 +0.1
WMQ	comp=Z,19nm,0.7s				
AB31	Akbulak array	15.02 331	P	Pn	07 19 53.7 -0.8
AB31	Akbulak array	15.02 331	P	Pn	07 19 53.7 -0.8
AB31	Akbulak array	15.02 331	P	Pn	07 19 53.7 -0.8
AB31	Akbulak array	15.02 331	P	Pn	07 19 53.7 -0.8
AB31	Akbulak array	15.02 331	P	Pn	07 19 53.7 -0.8
AB31	Akbulak array	15.02 331	P	Pn	07 19 53.7 -0.8
ZSN	Zaisan	15.04 39	eP	Pn	07 19 55.1 +0.2
ZSN	Zaisan	15.04 39	eP	Pn	07 19 55.1 +0.2
KURB	Kurchatov Arra	15.12 19	P	Pn	07 19 54.1 -1.7
KURK	Kurchatov	15.23 19	Pn	Pn	07 19 56.9 -0.2
KURK	comp=Z,12nm,1.0s				
KURK	Kurchatov	15.23 19	Pn	Pn	07 19 55.7 -1.4
KURK	Kurchatov	15.23 19	IAMB	IAMB	07 20 00.1
EVN	Everest	15.94 118	P	P	07 20 06.4 -0.2
BVAR	Borovyoye Array	16.50 359	P	P	07 20 11.9 +0.1
BORK	Borovyoye	16.52 359	iP	Pn	07 20 12.7 0.0
BORK	Borovyoye	16.52 359	iP	Pn	07 20 12.7 0.0
BORK	Borovyoye	16.52 359	iP	Pn	07 20 12.0 0.0
BORK	Borovyoye	16.52 359	iP	Pn	07 20 14.0 -0.1
AKTO	Aktyubinsk	16.71 330	P	P	07 23 16.2 -2.5
AKTO	comp=Z,2.6nm,0.3s,baz=127,slow=8,2,SNR=8.8				
AKTO	Aktyubinsk	16.71 330	↑P	Pn	07 20 15.9 +0.9
AKTO	Aktyubinsk	16.71 330	P	Pn	07 20 15.9 +0.9
AKTO	Aktyubinsk	16.71 330	P	Pn	07 23 17.4 -1.3
DGZ	Jazzator, Alta	17.81 37	iP	Pn	07 20 27.2 +0.9
DGZ	comp=Z,11nm,0.6s				
LSA	Lhasa	18.27 106	P	Pn	07 20 33.2 -0.9
LSA	comp=Z,9.0nm,0.5s				
LSA	Lhasa	18.27 106	P	Pn	07 20 33.1 -0.9
LSA	Lhasa	18.27 106	IAMB	IAMB	07 21 08.4
ZAA0	Zalesovo Array	19.93 25	P	P	07 20 49.1 +0.2
ZALV	Zalesovo Beam	19.93 25	P	P	07 20 49.0 +0.1
ZALV	comp=Z,2.0nm,0.6s,baz=221,slow=11,SNR=87				
ARTI	Arti	21.59 341	iP	Pp	07 21 08.1 +1.6
ARTI	Arti	21.59 341	iP	Pp	07 21 08.0 -1.3
ARTI	Arti	21.59 341	iP	Pp	07 24 56.5 +3.5
ARTI	comp=Z,7.0nm,1.3s				
KBZ	Khabaz	22.51 297	iP	P	07 21 17.5 +1.9
KBZ	comp=Z,3.0nm,1.0s				
RAYN	Ar Rayn	25.43 246	P	P	07 21 42.2 -0.1
RAYN	Ar Rayn	25.43 246	P	P	07 21 42.2 -0.1
RAYN	Hu-ho-hao-te	31.84 70	eP	P	07 22 40.5 +1.5
HHC	HHC				
HHC	comp=Z,110nm,5.1s				
AK09	Malin Array Si	32.83 309	P	P	07 22 48.6 +1.5
AK10	Malin Array Si	32.83 309	P	P	07 22 48.8 +1.5
AK08	Malin Array Si	32.83 309	P	P	07 22 48.9 +1.5
AK07	Malin Array Si	32.83 309	P	P	07 22 48.9 +1.4
AK06	Malin Array Si	32.83 309	P	P	07 22 49.0 +1.4
AK05	Malin Array Si	32.83 309	P	P	07 22 49.0 +1.4

AKASG	Malin Array Be	32.86 309	P	P	07 22 48.9 +1.3
AKASG	comp=Z,1.6nm,0.5s,baz=84,slow=6.7,SNR=14				
AKASG	Malin Array Be	32.86 309	eP	Pmax	07 22 49.0 +1.4
AKASG	comp=Z,3.0nm,0.6s				
AKBB	Malin Array Si	32.86 309	eP	P	07 22 49.7 +2.1
AKBB	Malin Array Si	32.86 309	P	IAMB	07 22 48.4 +0.8
AKBB	comp=Z,5.0nm,0.7s				
AKBB	Malin Array Si	32.86 309	P	P	07 22 48.9 +1.3
AK01	Malin Array Si	32.86 309	P	P	07 22 49.2 +1.6
AK02	Malin Array Si	32.86 309	P	P	07 22 49.2 +1.6
AK03	Malin Array Si	32.86 309	P	P	07 22 49.2 +1.6
KIEV	Kiev	32.87 309	P	Pmax	07 22 48.4 +0.7
KIEV	Kiev	32.87 309	P	Pmax	07 22 48.4 +0.7
KIEV	comp=Z,5.0nm,0.6s				
KIEV	Kiev	32.87 309	IAMB	IAMB	07 22 48.4 +0.7
KIEV	Kiev	32.87 309	P	P	07 22 48.9 +1.2
AK11	Malin Array Si	32.89 309	P	P	07 22 49.4 +1.5
AK12	Malin Array Si	32.89 309	P	P	07 22 49.4 +1.5
AK04	Malin Array Si	32.90 309	P	P	07 22 49.5 +1.6
AK04	AK04	32.90 309	P	P	07 22 49.5 +1.6
AK14	Malin Array Si	32.92 309	P	P	07 22 49.5 +1.4
AK16	Malin Array Si	32.93 309	P	P	07 22 49.6 +1.4
AK13	Malin Array Si	32.95 309	P	P	07 22 49.8 +1.4
AK22	Malin Array Si	32.96 309	P	P	07 22 49.9 +1.4
KMPD	Khodolskiy	34.40 305	P	P	07 23 27.6 +0.9
RNPP	Sopachiv	35.04 310	P	P	07 23 07.5 +1.1
FIA1	FINESS Array S	37.41 326	IAMB	IAMB	07 23 26.6 +0.3
FIA1	comp=Z,17nm,1.0s				
FINES	FINESS Array B	37.41 326	P	P	07 23 27.9 +1.6
FINES	comp=Z,4nm,0.6s,baz=118,slow=9.8,SNR=10.0				
FINES	FINESS Array B	37.41 326	P	P	07 23 26.8 +0.5
FINES	FINESS Array B	37.41 326	P	P	07 23 26.8 +0.5
ARCES	ARCCESS Array B	41.08 338	P	P	07 23 58.6 +1.9
ARCES	comp=Z,1.9nm,0.5s,baz=113,slow=8.0,SNR=19				
ARCES	ARCCESS Array B	41.08 338	P	Pmax	07 23 58.5 +1.9
ARCES	ARCCESS Array B	41.08 338	P	Pmax	07 23 58.7 +1.9
ARCES	ARCCESS Array B	41.08 338	IAMB	IAMB	07 23 58.7 +1.9
HFS	Hafso	42.99 322	P	P	07 24 13.5 +1.4
HFS	comp=Z,4.0nm,0.6s,baz=96,slow=14,SNR=11				
NC405	NORSAR Array S	44.07 323	P	IAMB	07 24 21.9 +1.1
NC405	comp=Z,18nm,1.3s				
NB2	NORSAR Subarray	44.30 323	P	P	07 24 23.4 +0.7
NB2	comp=Z,2.0nm,0.5s,baz=96,slow=7.9				
NOA	NORSAR Array B	44.30 323	P	P	07 24 23.7 +1.0
NOA	comp=Z,3.3nm,0.6s,baz=97,slow=7.6,SNR=16				
TOAO	Torodi Ar. Sit	65.63 269	P	P	07 26 55.7 -0.3
TORD	Torodi Ar. Bea	65.63 269	P	P	07 26 55.5 -0.6
TORD	comp=Z,0.8nm,0.7s,baz=49,slow=5.3,SNR=4.8				
E29M	Blow River	73.20 11	P	IAMB	07 27 42.5 +0.9
E29M	Blow River	73.20 11	P	IAMB	07 28 01.6
J19K	Poorman	73.29 20	P	P	07 27 43.7 +1.6
H24K	Noodor Dome	73.64 16	P	P	07 27 45.9 +1.6
C36M	Paulatuk	73.86 5	P	P	07 27 46.1 +0.8
H29M	Whitestone	75.12 12	P	P	07 27 54.0 +1.3
H29M	Whitestone	75.12 12	IAMB	IAMB	07 28 14.8
KNRA	Kununurra	75.32 123	P	IAMB	07 27 54.9 +0.4
KNRA	Kununurra	75.32 123	IAMB	IAMB	07 28 03.3
H31M	Peel River	76.13 10	P	IAMB	07 27 59.9 +1.4
H31M	Peel River	76.13 10	IAMB	IAMB	07 28 33.4
WRA	Warramunga Arr	82.08 122	P	P	07 28 30.6 -0.8
WRA	comp=Z,1.5nm,0.7s,baz=323,slow=5.0,SNR=13				
ASAR	Alice Springs	84.34 125	P	P	07 28 42.5 -0.5
ASAR	comp=Z,1.7nm,0.6s,baz=310,slow=5.1,SNR=30				

SOME 02 07:23:13.2, 40.18N, 77.30E, h10km  
 NNC 02 07:23:15.7, 0.8, 40.29N, 77.31E, h0km, mb4.2, mpv3.9,  
 Error ellipse: s-maj=5.6km s-min=4.0km az=166.0  
 KRNET 02 07:23:17.0, 1.4, 40.36N, 77.14E, h30km, mb3.6  
 ISC 02 07:23:14.9, 1.4, 40.30N, 0.06E, 77.13E, 0.03, h10km, n62,  
 @169/96, 20C-25D, Kyrgyzstan-Xinjiang border region

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
NRN	Naryn	1.42 323	Op	h m s	ISC
NRN	Naryn	1.42 323	Pg	07 23 42.2	0.0
TARG	Taragay, Kyrgy	1.52 19	↑P	Pg	07 23 43.3 -0.8
TARG	Taragay, Kyrgy	1.52 19	↑P	Sg	07 24 02.6 -1.2
KDJ	Kajisay	1.83 1	eP	Pb	07 23 48.3 -0.3
KDJ	Kajisay	1.83 1	eP	Sb	07 24 11.0 -0.7
ULHL					



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TGIUH, APO2, APQN, CEVE, TISN, Cigeo UNAN, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HATJ, HATJ, EGGS, HGSO, Ruisui, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WCHH, WCKO, TPUB, TPLB, etc.

SJA 02 08:02:14.6:0.6,22.85S:66.58W,h242km,6km,ML3.9, MW3.6

GUC 02 08:02:16.7:0.5,22.83S:66.68W,h209km,8km,ML4.0, Presumed earthquake

ISC 02 08:02:16.4:1.2,22.85S:0.05:66.67W:0.06,h222km,n33, c=091/42,4C,JuJuy Province

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HJA, YJA, Yavi, AF01, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HATJ, HATJ, EGGS, HGSO, Ruisui, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WCHH, WCKO, TPUB, TPLB, etc.

DJA 02 08:15:57.9:0.4,8.4:12.0E, s=1166km,5km,M3.9/15, mb3.9/1, MLV3.9/15

ICD 02 08:15:59.3:1.7,7.76S:120.52E,h203km,18km,mb3.6/4, mbtmp4.1/7,MS3.0/1, Error ellipse: s-maj=65.5km

ISC 02 08:15:56.7:0.8,8.29S:0.06:119.89E:0.05,h200km,n21, c=230/27,mb3.8/3,Glores region

TAP 02 08:07:40.8,23.92N:122.60E,h26km,ML3.2,C

JMA 02 08:07:41.1,23.92N:122.60E:0.7,h21km,MV2.6/13, NW OFF ISHIGAKIJIMA IS

ISC 02 08:07:40.8:1.1,23.88N:0.02:122.59E:0.02,h23km,11km, n144,c=096/276,Taiwan region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EOS4, EOS4, EOS3, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HATJ, HATJ, EGGS, HGSO, Ruisui, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LBFI, WSI, WSI, etc.

ICD 02 08:16:50.2:1.3,31.39S:178.42W,h0km,mb4.2/6, mbtmp4.3/8,ML4.4/2,MS3.1/3, Error ellipse: s-maj=31.2km s-min=19.7km,az=103.0

NEIC 02 08:16:53.1:2.1,31.29S:0.07:178.0W:0.2,h35km,2km, mb4.5/11, Error ellipse: s-maj=26.4km s-min=12.1km az=96.0

ISC 02 08:16:53.0:0.9,31.31S:0.06:178.2W:0.1,h35km,n57, c=160/51,mb4.5/10,Kermadec Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GLKZ, GLKZ, RAO, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Az, Az', Phase ID, Time, Res, Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Matakaoa Point, Waiomatatini S, Pakihiroa, Te Kaha, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Az, Az', Phase ID, Time, Res, Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Porangahu, Birch Road, Mangaitioka R, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Az, Az', Phase ID, Time, Res, Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Warramunga Arr, Warramunga Arr, Alice Springs, etc.













Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ERTU Ertsjaerv, UMAU Umeaa, VAF Ylistaro, etc.

IDC 02 10:06:36.1±1.4, 56°09'N; 149°72'W, h0km, mb3.8/9, mbmp3.8/14, ML3.5/5, MS3.0/2, Error ellipse: s-maj=26.6km s-min=14.1km az=22.0 NEIC 02 10:06:41.3±1.2, 56°53'N; 0°06:149°54'W, h10km, 1km, mb4.2/28, ML4.0/82, ML3.8(AEIC), Error ellipse: s-maj=10.5km s-min=8.4km az=339.0 AEIC 02 10:06:44.8±1.3, 56°45'N; 0°07:149°47'W, h10km, 4km, Error ellipse: s-maj=11.1km s-min=7.3km az=164.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KDAK Kodiak Island, KDAK Kodiak Island, KDAK Kodiak Island, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GLI Glacier Island, P17K Kvichak River, RC01 Rabbit Creek A, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SMY Shemya, BOZ Bozeman (W), BLKN Baker Lake, etc.

NNC 02 10:10:15.1±1.1, 46°34'N; 68°84'E, h0km, mb3.5, mpv3.1, SC-50, Error ellipse: s-maj=13.4km s-min=8.6km az=64.0, Suspected Mining explosion, Central Kazakhstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KK31 Karatay Array, AAK Ala-Archa, BVA1 Borovoye Array, etc.

IDC 02 10:17:32.6±0.3, 62°17'S; 57°95'W, h0km, mb5.1/18, mbmp5.0/19, ML4.5/1, MS5.4/2, Error ellipse: s-maj=15.4km s-min=8.7km az=81.0 NEIC 02 10:17:33.5, 62°36'S; 58°25'W, h10km NEIC 02 10:17:33.5, 62°36'S; 58°26'W, h10km NEIC 02 10:17:33.3±1.2, 62°36'S; 0°04:58°33'W, h10km, 1km, mb5.6/15, Ms 2.0, 5.4/38, Mw5.7/37, Mw5.7/40, Error ellipse: s-maj=12.5km s-min=7.2km az=77.0, Moment Tensor Solution. Moment tensor: Scale 10^17Nm; M11=0.26; M22=0.98; M33=0.72; M12=0.60; M13=4.81; M23=0.89; Fault plane solution: Ms=0.000x10^17 NP1: 94.29000°, 381.6000°, 1-8.19000°. NP2: 165.70000°, 881.93000°, 1-170.06000°. Principal axes: T: 5.0157, P1: 0.0000, Azm320.0000; N: -0.0258, P1: 7.0000, Azm224.0000; P: -4.9899, P1: 3.0000, Azm50.0000; PTWC 02 10:17:35.62±0.40S; 58°50'W, h10km, Mw6.1/11 MOS 02 10:17:35.3±1.5, 62°19'S; 58°04'W, h25km, mb5.6/24, MS5.3/9, Error ellipse: s-maj=25.8km s-min=8.0km az=93.6 GFZ 02 10:17:36.2, 62°34'S; 58°20'W, h12km, Mw5.8/57, Moment Tensor Solution. Moment tensor: Scale 10^17Nm; M11=1.09; M22=0.02; M33=1.07; M12=1.76; M13=0.7; M23=1.00; Fault plane solution: Ms=5.569x10^17 NP1: 94.29000°, 359.64175°, 870.03556°; 1-184.87569°; NP2: 264.36930°, 875.80431°, 1-20.62141°. Principal axes: T: 5.6763, P1: 3.9006, Azm312.8144°, N: -0.2193, P1: 6.1414, Azm51.2772°, P: -5.4571, P1: 6.2459, Azm24.5092°, Azm221.0330°; GFZ 02 10:17:36.6±0.2, 62°24'S; 58°18'W, h10km, Ms.6/44, mb5.5/44 NEIC 02 10:17:38.1, 62°36'S; 58°03'W, h12km, Moment Tensor Solution. Duration: 3±1.0 Moment tensor: Scale 10^17





2d 10h

Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like PB18, SIV, SALV, LPAZ, etc.

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Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like MREMI, SFZ, BNZO, THZ, etc.

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Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like ABPO, AUDAR, ECPH, etc.





Table with columns: ASAR, Alice Springs, 25.48 223, P, 10 49 54.4 -0.9, etc. Includes stations like ASAR, NNTI, CMSA, STKA, FITZ, CAN, BBOO, MBWA, MJAR, etc.

Table with columns: MAKZ, Makanchi, 80.74 319, P, 10 56 40.0 -0.2, etc. Includes stations like MAKZ, IMAR, RND, ZAAO, ZALV, ZALV, MCK, MLY, etc.

Table with columns: IL31, 16.44 39, P, 11 04 26.9 +1.2, etc. Includes stations like IL31, ILAR, ELAR, ELAR, YKA, etc.

JMA 02 11:01:46.9;0.1,36.6N;0.2x141.1;E:0.2, h48km, MV3.9/40, E OFF IBARAKI PREF

JMA Felt J1 at E OFF IBARAKI PREF

ISC 02 11:01:47.4;4.4,35.51N;140.59E, h0km, mb3.4/2, mbmp3.4/3, ML2.9/1, Error ellipse: s-maj=113.8km

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time, Res. Includes stations like JHO Hitachi, JHO Hitachinakayam, etc.

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time, Res. Includes stations like MJAR WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, etc.

KOLA 02 11:05:28.2, 67.52N-30.52E, h0km, ML1.9, Error ellipse: s-maj=3.2km s-min=1.9km az=30.0, Kovdor City, Mines, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time, Res. Includes stations like APA0 Apatity Array, APA0 Kovda, etc.

KOLA 02 11:05:54.0;0.7, 67.54N;0.04x30.52E;0.09, h0km, M2.3(MOS), The earthquakes of Russia in 2020.

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time, Res. Includes stations like APA0 Apatity Array, APA0 Kovda, etc.

ISC 02 11:21:55.9;1.1, 31.01N;110.69E, h0km, mb3.6/7, s-min=19.7km az=54.0

ISC 02 11:22:01.1;1.0, 31.01N;110.69E;0.1, h35km, n11, s-min=19.7km az=54.0

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time, Res. Includes stations like LZDM Lanzhou Array, LZDM Lanzhou, etc.

2d 12h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MAKANCHI Array, Zalesovo Beam, Kurchatov Arra, etc.

IDC 02 11:28:56.7-0.8, 8.79S:80.50W, h0km, mb4.1/10, mbtmp4.1/14, ML3.7/4, MS3.7/3, Error ellipse: s-maj=14.1km s-min=12.2km az=56.0

Main table of station data for the 2d 12h period, listing station names, coordinates, and various parameters.

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Table of station data for 2020 OCT, including stations like ANMO, PTCN, WUAZ, etc.

IDC 02 11:48:15.7-1.6, 5.57S:152.57E, h0km, mb3.7/4, mbtmp3.8/5, ML1.9/1, MS3.7/1, Error ellipse: s-maj=33.3km s-min=15.8km az=109.0

Table of station data for the IDC 02 11:48:15.7-1.6, 5.57S:152.57E event.

IDC 02 11:52:34.5-2.8, 33.43S:178.66W, h0km, mb3.7/2, mbtmp3.7/3, ML3.6/1, Error ellipse: s-maj=66.9km s-min=36.5km az=118.0, South of Kermadec Islands

Table of station data for the IDC 02 11:52:34.5-2.8, 33.43S:178.66W event.

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Table of station data for the 110 period, including stations like KU2, KEV, KEV, etc.

HEL 02 12:16:45.2-0.1, 63.71N:25.54E, h0km, ML1.1, Explosion, Finland

Table of station data for the HEL 02 12:16:45.2-0.1, 63.71N:25.54E event.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Vikkela, Lumij, Oulu, Ylistaro, etc.

IDC 02 12:37:45.8±0.6, 62.18S; 57.87W, h0km, mb4.1/12, mbmp4.1/13, ML4.2/1, MS3.8/6, Error ellipse: s-maj=21.5km s-min=14.2km az=96.0, NEIC 02 12:37:48.1±2.7, 62.35S; 0.06±58.3W; 0.1, h10km, 1km, mb4.7/21, Error ellipse: s-maj=10.9km s-min=6.4km az=213.0, GFZ 02 12:37:49.0±0.2, 62.2S; 54.5W, h10km, M4.2, mb4.8/21, Error ellipse: s-maj=13.3km s-min=4.5km az=56.6, confirmed

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists various seismic stations and their recorded events.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists seismic stations like Talagante, Princesa Elisa, Combarbal, etc.

IDC 02 13:16:24.3±0.5, 17.13S; 167.79E, h0km, mb4.4/22, mbmp4.4/25, ML4.8/3, MS3.9/48, Error ellipse: s-maj=14.6km s-min=10.8km az=82.0, MOS 02 13:16:24.6±0.1, 17.15S; 167.63E, h10km, mb5.1/21, Error ellipse: s-maj=11.4km s-min=9.2km az=29.2, NOU 02 13:16:25.3, 17.20S; 167.69E, h3km, MLV5.0/41, Vanuatu Islands, BUJ 02 13:16:25.2, 16.81S; 167.71E, h4km, mb5.3/12, mb4.7/38, Ms4.7/1, Ms7.4/5.1, NEIC 02 13:16:26.9±1.5, 17.12S; 0.05±167.60E; 0.09, h10km, 2km, mb5.1/52, Error ellipse: s-maj=12.7km s-min=7.4km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists seismic stations like Devils Point, Rentapao, Sarautou, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists seismic stations like Port Laguerre, Ouen Toro, Ouen Island, etc.



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Urewera, Warramunga Arr, FITZ Fitzroy Crossi, FINES FINES Array B.

DJA 02 13:39:00.3, 0.3, 1.0, S, 4 x 11° 9E, h10km, M4, 1/25, mB5.7/1, mb4.3/7, MLV4.0/25, Mw(mB)5.2/1

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WSI Waingapu, WSI Kabupaten Domp, LBF1 Labuhan Bajo, PLAI Plampang.

HLW 02 14:08:02.27, 62N, 34, 36E, h18km, 2km, M12.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SDV Santo Domingo, SDV Santo Domingo, PAMC Pamplona, COLO.

HLW 02 14:10:09.8, 27, 69N, 34, 45E, h15km, M12.4

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TR1 Tor 1, RSHS, HHRG AI Ghardaqaq, KRABS KRABS.

HLW 02 14:11:50.7, 2, 7, 17, 98S, 178, 48W, h559km, 22km, mb3.2/5, mbmp4.2/6, Error ellipse: s-maj=117.0km s-min=26.2km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VJF Virojoki, VJF Perajaja, PVF, EEO4 Vaivara Sinima, ARBE Arbavere.

HLW 02 14:11:50.7, 2, 7, 17, 98S, 178, 48W, h559km, 22km, mb3.2/5, mbmp4.2/6, Error ellipse: s-maj=117.0km s-min=26.2km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VJF Virojoki, VJF Perajaja, PVF, EEO4 Vaivara Sinima, ARBE Arbavere.

HLW 02 14:11:50.7, 2, 7, 17, 98S, 178, 48W, h559km, 22km, mb3.2/5, mbmp4.2/6, Error ellipse: s-maj=117.0km s-min=26.2km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VJF Virojoki, VJF Perajaja, PVF, EEO4 Vaivara Sinima, ARBE Arbavere.

HLW 02 14:11:50.7, 2, 7, 17, 98S, 178, 48W, h559km, 22km, mb3.2/5, mbmp4.2/6, Error ellipse: s-maj=117.0km s-min=26.2km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VJF Virojoki, VJF Perajaja, PVF, EEO4 Vaivara Sinima, ARBE Arbavere.

HLW 02 14:11:50.7, 2, 7, 17, 98S, 178, 48W, h559km, 22km, mb3.2/5, mbmp4.2/6, Error ellipse: s-maj=117.0km s-min=26.2km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VJF Virojoki, VJF Perajaja, PVF, EEO4 Vaivara Sinima, ARBE Arbavere.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MNI Manado, GTOI Gorontalo, APSI Ampana.

IDC 02 14:02:12.1, 8, 5, 50S, 152, 77E, h0km, mb3.5/3, mbmp3.7/4, ML1.9/1, Error ellipse: s-maj=31.3km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KRVT Keravat, PMG Port Moresby, PMG Gleison Array.

IDC 02 14:05:10.8, 8, 47N, 71, 32W, h5km, MW2.9, Presumed earthquake

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SDV Santo Domingo, SDV Santo Domingo, PAMC Pamplona, COLO.

IDC 02 14:05:09.9, 1, 4, 8, 17N, 0, 07, 71, 05W, 0, 06, h3km, 13km, n12, c073/21, Venezuela

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SDV Santo Domingo, SDV Santo Domingo, PAMC Pamplona, COLO.

IDC 02 14:10:08.0, 2, 7, 62N, 34, 36E, h18km, 2km, M12.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TR1 Tor 1, RSHS, HHRG AI Ghardaqaq, KRABS KRABS.

IDC 02 14:10:08.0, 1, 3, 2, 76N, 0, 04, 34, 38E, 0, 03, h20km, gkm, n21, c068/29, Red Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TR1 Tor 1, RSHS, HHRG AI Ghardaqaq, KRABS KRABS.

IDC 02 14:11:50.7, 2, 7, 17, 98S, 178, 48W, h559km, 22km, mb3.2/5, mbmp4.2/6, Error ellipse: s-maj=117.0km s-min=26.2km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VJF Virojoki, VJF Perajaja, PVF, EEO4 Vaivara Sinima, ARBE Arbavere.

IDC 02 14:11:50.7, 2, 7, 17, 98S, 178, 48W, h559km, 22km, mb3.2/5, mbmp4.2/6, Error ellipse: s-maj=117.0km s-min=26.2km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VJF Virojoki, VJF Perajaja, PVF, EEO4 Vaivara Sinima, ARBE Arbavere.

IDC 02 14:11:50.7, 2, 7, 17, 98S, 178, 48W, h559km, 22km, mb3.2/5, mbmp4.2/6, Error ellipse: s-maj=117.0km s-min=26.2km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VJF Virojoki, VJF Perajaja, PVF, EEO4 Vaivara Sinima, ARBE Arbavere.

IDC 02 14:11:50.7, 2, 7, 17, 98S, 178, 48W, h559km, 22km, mb3.2/5, mbmp4.2/6, Error ellipse: s-maj=117.0km s-min=26.2km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VJF Virojoki, VJF Perajaja, PVF, EEO4 Vaivara Sinima, ARBE Arbavere.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PCDR comp=E, 648nm, 0.6s, PCDR Punta Cana, DR.

IDC 02 14:02:12.1, 8, 5, 50S, 152, 77E, h0km, mb3.5/3, mbmp3.7/4, ML1.9/1, Error ellipse: s-maj=31.3km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KRVT Keravat, PMG Port Moresby, PMG Gleison Array.

IDC 02 14:05:10.8, 8, 47N, 71, 32W, h5km, MW2.9, Presumed earthquake

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SDV Santo Domingo, SDV Santo Domingo, PAMC Pamplona, COLO.

IDC 02 14:05:09.9, 1, 4, 8, 17N, 0, 07, 71, 05W, 0, 06, h3km, 13km, n12, c073/21, Venezuela

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SDV Santo Domingo, SDV Santo Domingo, PAMC Pamplona, COLO.

IDC 02 14:10:08.0, 2, 7, 62N, 34, 36E, h18km, 2km, M12.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TR1 Tor 1, RSHS, HHRG AI Ghardaqaq, KRABS KRABS.

IDC 02 14:10:08.0, 1, 3, 2, 76N, 0, 04, 34, 38E, 0, 03, h20km, gkm, n21, c068/29, Red Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TR1 Tor 1, RSHS, HHRG AI Ghardaqaq, KRABS KRABS.

IDC 02 14:11:50.7, 2, 7, 17, 98S, 178, 48W, h559km, 22km, mb3.2/5, mbmp4.2/6, Error ellipse: s-maj=117.0km s-min=26.2km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VJF Virojoki, VJF Perajaja, PVF, EEO4 Vaivara Sinima, ARBE Arbavere.

IDC 02 14:11:50.7, 2, 7, 17, 98S, 178, 48W, h559km, 22km, mb3.2/5, mbmp4.2/6, Error ellipse: s-maj=117.0km s-min=26.2km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VJF Virojoki, VJF Perajaja, PVF, EEO4 Vaivara Sinima, ARBE Arbavere.

IDC 02 14:11:50.7, 2, 7, 17, 98S, 178, 48W, h559km, 22km, mb3.2/5, mbmp4.2/6, Error ellipse: s-maj=117.0km s-min=26.2km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VJF Virojoki, VJF Perajaja, PVF, EEO4 Vaivara Sinima, ARBE Arbavere.

IDC 02 14:11:50.7, 2, 7, 17, 98S, 178, 48W, h559km, 22km, mb3.2/5, mbmp4.2/6, Error ellipse: s-maj=117.0km s-min=26.2km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VJF Virojoki, VJF Perajaja, PVF, EEO4 Vaivara Sinima, ARBE Arbavere.

2d 15h

Table with columns: Lodu1, comp, Station Name, Time, Res, ISC. Includes entries like REDR Restauracion, IGPR Interuniversit, PDRP Patillas Dam, etc.

IDC 02 14:55:00.21,3,30.52Sx177.74W,h0km,mb4,1/4, mbmp4,1/5,ML3.2/1, Error ellipse: s-maj=34.5km s-min=22.9km az=92.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries like RAO Raoul Island, URZ Urewera, URZ South Pole Qui, etc.

IDC 02 15:13:52.9,1.9,4.05N-124.37E,h0km,mb3.4/4, mbtmp3.5/4, Error ellipse: s-maj=140.3km s-min=23.8km az=67.0, Celebes Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries like FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, etc.

DJA 02 15:15:52.0,0.5,5.3x15.4E, h55km,5km,M5,0/37, mb5.9/5,mb4,7/37,MLV4,9/2,Mw(mb)5/5

IDC 02 15:15:55.4,1.3,5.04S-153.68E,h81km,10km,mb4,0/15, mbmp4,4/18,MS3.2/23, Error ellipse: s-maj=15.2km s-min=9.5km az=48.0

NEIC 02 15:15:55.2,1.4,5.01S:0.08:153.69E:0.08,h74km,6km, mb4,6/28, Error ellipse: s-maj=14.8km s-min=6.9km az=22.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries like RABL Rabaul, KRVT Keravat, TATA Tatamba Isabel, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries like JAY Jayapura, GENI Genyem, CTA Charters Tower, etc.

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Main table with columns: Station Name, Time, Res, ISC. Includes entries like SUJI Sorong, SWI Sorong, MTN Manton Dam, WBO Warramunga Arr, etc.

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Table with columns: Station Name, Time, Res, ISC. Includes entries like KKAR Karatay Array, YBH Yreka Blue Hor, BVAR Borovoye Array, etc.

TAP 02 15:21:45.8,21.97N-121.27E,h29km,ML2.9,D ISC 02 15:21:45.9,1.1,22.03N:0.02:121.29E:0.02,h16km,8km, n99,0:86/189,Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries like LAY Lan-yu, LYUB Lan-yu, Hengchuen, Pin, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WU5B, LX1B, LX1B, GX01G, etc.

IDC 02 15:28:09.3-0.9,34.56N-23.88E,h0km,mb4,1/13, mbmp4,0/20,ML3,6/7,MS3,0/4,Error ellipse: s-maj=15.0km s-min=10.8km az=18.0

NEIC 02 15:28:10.2-2.6,34.36N-0.07-23.89E,0.06,h10km±1km, mb4,5/22,Error ellipse: s-maj=11.7km s-min=8.9km az=166.0

ISK 02 15:28:12.9-3.4,42N-23.96E,h13km,ML3,5/7, ATH 02 15:28:17.4,34.68N-24.03E,h34km,4km,ML3,6/10, Latitude uncertainty: 2 km; Longitude uncertainty: 1 km

NAO 02 15:28:18.1,35.08N-24.47E,h33km,MB3,7 THE 02 15:28:19.1,35N-2.4E,h20km,1km,M3,4/9, MLh3,4/9

GII 02 15:28:20.3-0.0,34.672N-0.001-24.730E,0.001,h0km, Mws4.1,confirmed

ISC 02 15:28:12.9-1.2,34.46N-0.06-24.03E,0.04,h31km,8km, n160,az17/196,mb4,3/21,Crete

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GVDS, GVDS, GVDS, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CMBO, VLI, KARP, etc.

BRTR comp-Z:58nm,18.7s,baz=244,slow=43 1.9m,0.6s

BRTR Keskini Array B 9.30 53 P Pn 15 30 26.9 +1.9

BRTR Of'er 9.33 98 P Pn 15 30 25.6 +0.3

BRTR Kziot 9.43 109 P Pn 15 30 27.6 +1.0

BRTR Mount Meron ar 9.58 95 P Pn 15 30 28.9 +0.1

BRTR Keskin Array B 9.58 95 P Pn 15 30 28.9 +0.2

BRTR Amatzia 9.60 105 P Pn 15 30 29.9 +0.9

BRTR Jerusalem 9.74 103 P Pn 15 30 32.1 +1.1

BRTR Giv'at Ha'Em 9.76 94 P Pn 15 30 31.1 0.0

BRTR San Giovanni R 9.78 321 P Pn 15 30 33.4 -6.2

BRTR Mount Ramon 9.84 110 P Pn 15 30 33.9 +1.5

BRTR Mizpe Shalem 9.97 104 P Pn 15 30 34.8 +0.8

BRTR Mazada 10.03 105 P Pn 15 30 35.3 +0.6

BRTR ilgaz 10.11 47 Pn 15 30 32.1 -4.8

BRTR Zfrif 10.19 109 P Pn 15 30 32.1 +4.3

BRTR Ghor Haditha 10.20 105 P Pn 15 30 38.9 +1.8

BRTR Mount Harif 10.31 112 P Pn 15 30 40.3 +0.1

BRTR Elat 10.42 114 Pn 15 32 30.6 -5.3

BRTR Elat 10.42 114 Pn 15 30 41.8 +1.6

BRTR Jabal al Asfar 11.01 98 Pn 15 30 47.9 -0.4

BRTR Malin Array Si 16.67 12 Pn 15 32 04.9 -2.7

BRTR Malin Array Si 17.30 52 Pn 15 32 01.3 -2.8

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like UOSS, AB31, ABKAR, etc.

STR 02 15:33:32.8-0.0,44.27N-0.08-6.65E,0.09,h9km, MLV2,0/13,LOCSAT earthModelID alpes\_taup-2.11

GEN 02 15:33:32.0-1.4,44.27N-6.63E,h7km,1km,M1,7 LDG 02 15:33:32.0-1.4,44.27N-6.65E,h2km,M2,1/5,M12,6/7, Error ellipse: s-maj=1.4km s-min=1.3km az=92.0

ISC 02 15:33:32.0-1.4,44.27N-0.02-6.65E,0.02,h130km, n36,az82/64,France

Code Station Name Az Phase ID Time Res

OGAG Argentiere 0.20 337 P Pn 15 33 43.2 +5.8

OGAG Saint Ours 0.24 30 P Pn 15 33 49.1 +8.6

OGAG Saint Ours 0.24 30 P Pn 15 33 47.8 -0.3

OGAG Crivoux 0.28 356 P Pn 15 33 41.9 +0.2

OGAG Digne 0.30 237 P Pn 15 33 38.3 -0.5

OGAG Digne 0.30 237 P Pn 15 33 42.7 -0.1

OGAG Digne 0.30 237 P Pn 15 33 39.5 +0.2

OGAG Stroppo 0.41 55 P Pn 15 33 45.0 0.0

OGAG Stroppo 0.41 55 P Pn 15 33 44.8 -0.2

OGAG Montbardon 0.46 11 Pn 15 33 41.5 +0.2

OGAG Montbardon 0.46 11 Pn 15 33 47.0 +0.4

OGAG Montbardon 0.46 11 Pn 15 33 41.8 -0.3

OGAG Montbardon 0.46 11 Pn 15 33 48.6 +0.3

OGAG Montbardon 0.46 11 Pn 15 33 43.2 +0.8

OGAG Montbardon 0.46 11 Pn 15 33 47.0 +0.4

OGAG Montbardon 0.46 11 Pn 15 33 48.6 +0.3

OGAG Montbardon 0.46 11 Pn 15 33 47.0 +0.4

OGAG Montbardon 0.46 11 Pn 15 33 48.6 +0.3

PRU 02 15:53:06.4,51.43N-16.11E,h0km VIE 02 15:53:06.0-0.7,51.32N-15.99E,h0km,mb2,5/1,m2,5/3, Error ellipse: s-maj=6.7km s-min=4.4km az=73.0 75 km WNW of Wroclaw Suspected Mining induced. ISC 02 15:53:04.4,51.2,51.50N-0.06-16.12E,0.03,h0km,n25,

2d 16h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like KSP, CHVC, OSTC, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like JPG, SHBG, TAWA, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like VJF, PVF, ARBE, etc.

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Table with columns: Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like SUF, RAF, SLIT, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like LANU, PAJU, HEF, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like CICC, TWGBT, PACPP, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like JOW, JYRO, JOKE, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like MKAR, YAK, H11N1, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like MA2, KURBS, AAK, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like GOLS, KALS, GOLS, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like A273A, RIV, RIJ, etc.

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HEL 02 16:35:31.2:0.6,67.85N:20:34E, h0km, ML0.9, Suspected explosion, Sweden

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like LANU, PAJU, HEF, etc.

IDC 02 16:37:58.6:0.9,20.55N:122:18E, h0km, mb3.6/8, mbtmp3.8/11, ML3.8/3, MS3.0/11, Error ellipse: s-maj=20.2km s-min=15.5km az=113.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like CICC, TWGBT, PACPP, etc.

JMA 02 16:38:03.2:0.3,21.1N:122:11E:0.6, h5km, MV4.3/26, TAIWAN REGION

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like CICC, TWGBT, PACPP, etc.

MAN 02 16:38:04.0:20.60N:121.86E, h9km, MS3.7, ISC 02 16:38:00.8:0.7,20.84N:0:04:122:13E:0.07, h0km, n54, e202/52, mb3.7/8, MS3.0/8, Philippine Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like CICC, TWGBT, PACPP, etc.

LJU 02 16:40:37.6:45:89N:15:97E, h6km, ML2.0, Presumed earthquake

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like PTJ, ZAG, ZAG, etc.

RHSO 02 16:40:38.2:1.3,45:80N:15:97E, h6km, ML2.1/3, ISC 02 16:40:36.9:0.8,45:38N:0:01:16.05E:0.02, h7km, 5km, n58, e084/9,2C-12, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like PTJ, ZAG, ZAG, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NVLI, VIRC, ROSA, RONA, MYKA, MORH, etc.

ISC 02 16:44:32.0±0.6, 8.68S-80.35W, h0km, mb4.1/15, mbtmp4.1/20, ML3.7/5, MS3.9/25, Error ellipse: s-maj=14.6km s-min=11.1km az=62.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ATAH, MCR, etc.

ISC 02 16:44:37.6±0.4, 8.71S-104.80W, h0km, h39km, n159, p156/128, mb4.5/37, MS3.9/20, Off coast of northern Peru

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ATAH, MCR, etc.

ISC 02 17:12:52.0±0.5, 9.3S-107.0W, h0km, M4.8, mb5.3, ML4.4, MLV5.0, MwM4.8, MwMwp5.9, MwP6.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ATAH, MCR, etc.

ISC 02 17:12:54.0±0.2, 19.3S-174.65W, h21km, mb5.2/3, mb4.9/12, GFZ 02 17:12:54.7±0.2, 19.3S-174.65W, h10km, M5.0/36, NEIC 02 17:12:58.3±1.8, 19.143S-170.019W, 0.19W, 0.09, h35km, 1km, mb4.9/160, Error ellipse: s-maj=16.0km s-min=14.0km az=44.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ATAH, MCR, etc.

ISC 02 17:12:59.2±0.5, 19.38S-066.174W, h28W/0.07, h47km, 4km, h46km, PP-P, n340, e1926/275, mb4.8/119, MS3.7/36, 16C-12D, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NIUE, AFI, etc.

ISC 02 17:12:59.2±0.5, 19.38S-066.174W, h28W/0.07, h47km, 4km, h46km, PP-P, n340, e1926/275, mb4.8/119, MS3.7/36, 16C-12D, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NIUE, AFI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NIUE, AFI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JTS, JWS, SDV, SIV, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CPUP, CPUP, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RPN, SPB, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TXAR, TXAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TXAR, V48A, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TPB01, TPB01, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LCAR, T42A, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CCM, 121A, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ALQ, ANMO, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SDCO, SADO, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PV01, PV18, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PV12, PMSA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HWUT, PDAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PDAR, AGM, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HVU, NVAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like I30M, ESDC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VNSA, VNSA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ILAR, ILAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ILAR, TSUM, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SUR, NOA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HFS, MAW, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SPITS, H1N13, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H1N12, H1N11, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H1S12, H1S11, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H1S13, BVAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ZALV, ASAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KURB, WRA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MKAR, MKAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KRSR, HHC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GTA2, NJ2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LZH, LZH, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PZH, CMAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CMAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NIUE, AFI, etc.





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Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like VAF Ylistaro, RMF Romuvara, OUF Merijarvi, etc.

ASRS 02 18:09:55.8-2.0,51°N,2°9'8E, h9km, MLh4.5/10, Error ellipse: s-maj=4.2km s-min=2.2km az=11.0, confirmed MOS 02 18:10:00.4-1.1,51°04'N:98°10'E, h10km, mb4.0/2, Error ellipse: s-maj=11.6km s-min=9.2km az=168.2

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like KNGR Kungurtug, TDJR Todzha, MOY Mondy, etc.

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like ZAK Zakamensk, TLY Talaya, IRK Irkutsk, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like ULN Ulanbator, ZAAO Zalesovo Array, ZALV Zalesovo Beam, etc.

ADC 02 18:18:08.7-2.1,35°12'N:3°61'W, h0km, mb3.5/3, mbmp3.6/4, ML3.5/1, MS2.9/3, Error ellipse: s-maj=61.3km s-min=19.2km az=80.0

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like HILR Hailar Array, BVAR Borovoye Array, BORK Borovoye, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like EQTA Col de Zad, ENIJ Nijar, MD31 MD31, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EPLA, PMTG, PSARD, TORRE, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NCUH, WHF, NFF, TWFT, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like E0S3, E0S4, TWC, TWB1, etc.

JMA 02:18:51.8:0.3,23°N,122°3'E, h54km, MV2.5/16, FAR S OFF ISHIGAKIJIMA

ISC 02:18:51.2:0.2,22.8N:0.1x123.34E:0.07,h25km,n17, <math>\sigma\_{80}</math>24, Southeast of Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HATJ, JKRS, IRIF, YOJ, etc.

JMA 02:18:45:31.5,24°6'N,122°24'E,h6km,ML3.1,C

JMA 02:18:45:32.1:0.1,24°6'N:0.9:122°2E:0.3,h34km,MV2.7/14, TAIWAN REGION

ISC 02:18:45:31.3:1.1,24°66'N:0.02:122°28'E:0.02,h11km,8km,n14,<math>\sigma\_{98}</math>179,Taiwan region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like E0S2, E0S3, TWC, E0S4, etc.

DJA 02:19:02:38.4:0.2,4°N,3°E,9°8'E, h10km, M3.3/18, M85.3/1, mb4.2/3, MLv2.8/18, Mw(mb)4.7/1, Northern Sumatra

ISC 02:19:02:38.4:0.2,4°N:3°E:9°8'E:0.04,h12km,n20,<math>\sigma\_{63}</math>24, Red Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KCSI, TPTI, TSI, etc.

TAP 02:18:45:31.5,24°6'N,122°24'E,h6km,ML3.1,C

JMA 02:18:45:32.1:0.1,24°6'N:0.9:122°2E:0.3,h34km,MV2.7/14, TAIWAN REGION

ISC 02:18:45:31.3:1.1,24°66'N:0.02:122°28'E:0.02,h11km,8km,n14,<math>\sigma\_{98}</math>179,Taiwan region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like E0S2, E0S3, TWC, E0S4, etc.

HLW 02:19:08:28.1,27°63'N,34°33'E,h17km,2km,MI3.0

SGS 02:19:08:29.6,27°69'N,34°47'E,h17km,MI1.9

ISC 02:19:08:26.3:1.0,27°66'N:0.04:34°33'E:0.04,h12km,n20,<math>\sigma\_{63}</math>24, Red Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TR1, RSHS, HHRG, etc.

DC 02:19:18:20.0:0.5,8°69'S,80°40'W,h0km,mb4.2/17, mbmt4.2/22, ML3.9/5, MS3.7/23, Error ellipse:

s-maj=16.0km s-min=10.6km az=56.0 NEIC 02:19:18:24.1:1.1,8.68S:0.03:80°15'W:0.06,h27km,5km, mb4.6/78, Error ellipse: s-maj=9.4km s-min=1.8km az=116.0

VAO 02:19:18:51.2:3.5,8°70'S,78°80'W,h193km,12km,mb4.5, Presumed earthquake

ISC 02:19:18:25.1:0.4,8.72S:0.05:80°23'W:0.07,h39km,n156,<math>\sigma\_{198}</math>129,mb4.5/47,MS3.8/21, Off coast of northern Peru

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ATAH, NNA, NNA, etc.

TAP 02:19:13:11.3:24°6'N,122°19'E,h1km,ML2.8,C

JMA 02:19:13:11.9:0.1,24°6'N:1°0:122°2E:0.2,h30km,3km,MV2.4/12, TAIWAN REGION

ISC 02:19:13:10.1:1.1,24°62'N:0.02:122°34'E:0.02,h5km,9km,n77,<math>\sigma\_{88}</math>115,Taiwan region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like E0S2, TR1, RSHS, etc.

TAP 02:19:13:11.3:24°6'N,122°19'E,h1km,ML2.8,C

JMA 02:19:13:11.9:0.1,24°6'N:1°0:122°2E:0.2,h30km,3km,MV2.4/12, TAIWAN REGION

ISC 02:19:13:10.1:1.1,24°62'N:0.02:122°34'E:0.02,h5km,9km,n77,<math>\sigma\_{88}</math>115,Taiwan region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like E0S2, TR1, RSHS, etc.

TAP 02:19:13:11.3:24°6'N,122°19'E,h1km,ML2.8,C

JMA 02:19:13:11.9:0.1,24°6'N:1°0:122°2E:0.2,h30km,3km,MV2.4/12, TAIWAN REGION

ISC 02:19:13:10.1:1.1,24°62'N:0.02:122°34'E:0.02,h5km,9km,n77,<math>\sigma\_{88}</math>115,Taiwan region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like E0S2, TR1, RSHS, etc.

2d 20h

Table of seismic events for 2d 20h, listing station codes (e.g., PB08, JTS, SDV), station names (e.g., IPOC Station P, Santo Domingo), magnitudes, times, and locations.

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Table of seismic events for 2020 OCT, listing station codes (e.g., ANMO, L59A, SADO), station names (e.g., Albuquerque, Sadowa), magnitudes, times, and locations.

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Table of seismic events for 122, listing station codes (e.g., YRD, YRD, LRK), station names (e.g., Yardimlii, Lerik), magnitudes, times, and locations.



Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like BKSJ Bulukumba, ABJI Asem Bagus, ABJI 0.2nm38nm,0.9s, etc.

SDD 02 20:14:53.6:2.2, 19:22N:69.63W, h97km, 9km, MD3.5, ML3.2, MW3.4, Presumed earthquake
OSPL 02 20:14:54.7:0.8, 19:23N:69.66W, h88km, 4km, ML2.7, Presumed earthquake
ISC 02 20:14:52.9:1.4, 19:21N:0.005:69.63W:0.03, h92km, 8km, n27, c1911147, 30C, Dominican Republic region

Main table for Dominican Republic region with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like NADR Nagua, SMDR Samana, DR08 Loma La Naviza, etc.

NEIC 02 20:21:03.7:1.3, 50:51N:0.1:153.2E:0.2, h268km, 6km, mb4.1/49, Error ellipse: s-maj=20.4km s-min=10.5km az=145.0

IDC 02 20:21:04.9:1.6, 50:58N:153.22E, h277km, 17km, mb3.2/13, mbtmp3.9/18, Error ellipse: s-maj=22.2km s-min=10.7km az=158.0

KRSC 02 20:21:05.0:2.2, 50:09N:154.57E, h300km, 25km, MA4.2
ISC 02 20:21:01.8:0.5, 50:44N:0.09:153.25E:0.07, h250km, n105, c189/112, mb4.0/31, Kuril Islands

Table for Kuril Islands with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like SKR Severo-Kuril's, PAU Pavuzhetka, KDTR Khodutka, etc.

Main table for Ryukyu Islands with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like MKZ Kamikawa-asahi, JKA Asahikawa, ASAJ Asahikawa, etc.

Table for Stephens Creek with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes station STKA Stephens Creek.

JMA 02 20:47:31.8:0.1, 24:1N:0.7:123.4E:0.3, h27km, 2km, MW3.2/10, NEAR ISHIGAKIJIMA ISLAND
ISC 02 20:47:31.1:1.7, 24.06N:0.07:123.36E:0.03, h12km, 15km, n18, c05/25, Southwestern Ryukyu Islands

Table for Southwestern Ryukyu Islands with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like HATJ Hateruma Jima, HATJ Hatj, IRIF Iriomote-Funau, etc.

NEIC 02 21:05:42.8:2.1, 45:81N:0.03:106.60W:0.08, h0km, 1km, az=102.0
IDC 02 21:05:45.0:2.0, 45:91N:106.79W, h0km, mbtmp3.0/2, ML2.7/2, Error ellipse: s-maj=58.8km s-min=11.5km az=134.0

ISC 02 21:05:40.2:0.9, 45:92N:0.04:106.70W:0.04, h0km, n26, c2912/7, Montana

Main table for Montana with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like LAO Lasa Array, RLMT Red Lodge, RLMT 139nm,0.6s, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Mount Meron Ar, GERS Array B, IDC 02 22:26:08.5, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KANR Karaman, BUJR Buynaks, KMKR Kumukh, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MKAR Makanchi Array, ZALV Zalesovo Beam, WEL 02 23:03:21.4, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IDC 02 23:01:15.9, NOR5 02 23:01:17.8, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KBZ Khabaz, NEUR Neytrino, BEYR Belyugol, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DPSS Saipan, GUMO Guam, JHW Hachiojima 2, etc.

2d 23h

Table with columns for flight codes (MJAR, H11S3, etc.), destinations (WAKE ISLAND, etc.), times, and status. Includes sub-sections for 2d and 23h.

2020 OCT

Main flight schedule table for October 2020, listing various airlines (KSR, KSM, etc.), destinations (Korea Array, etc.), times, and status.

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Continuation of the flight schedule table, listing various airlines (WHN, BNX, etc.), destinations (BinXian, etc.), times, and status.







Table with columns for station call letters, station name, frequency, and other technical details. Includes stations like COVZ, NGZ, FRU1, etc.

Table with columns for station call letters, station name, frequency, and other technical details. Includes stations like DRK, RAR, DZA, etc.

Table with columns for station call letters, station name, frequency, and other technical details. Includes stations like C36M, PPT, PPT2, etc.



Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like Cedar City, Camp Tracy, and North Lily Min.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like MNK, MVCO, and TUC.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like SFJD, BRTR, and WMOK.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Bocatoma, Tololo Observa, Las Campanas, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Pan de Azucar, Vanda, VAO, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KUR, JKA, JKA, ASAJ, etc.

IDC 02 23:33:50.0, 7.62, 09S, 57.74W, h0km, mb3.9/9, mbmp3.9/10, ML3.6/1, MS3.5/13, Error ellipse: s-maj=22.7km, s-min=13.5km, az=97.0

IDC 02 23:37:49.4, 0.8, 43.84N, 145.68E, h0km, mb4.0/8, mbmp4.0/9, ML3.0/1, MS3.8/6, Error ellipse: s-maj=27.1km, s-min=16.5km, az=176.0

IDC 02 23:37:50.0, 0.2, 43.90N, 145.6E, 0.8, h2.1km, 1km, MD4.2/37, MV3.7/37, NEAR KUNASHIRI ISLAND

NEIC 02 23:33:31.0, 1.7, 62.30S, 0.06, 58.3W, 0.2, h3km, 3km, mb4.7/26, Error ellipse: s-maj=11.5km, s-min=7.8km, az=70.0

MOS 02 23:37:50.2, 1.4, 43.92N, 145.69E, h12km, mb4.6/2, Error ellipse: s-maj=12.8km, s-min=9.4km, az=75.7

MOS Feit (I) at Yuzhno-Kurilsk, Golovinno, Goryachiy Plyazh. SKHL 02 23:37:50.5, 0.4, 43.90N, 145.70E, h14km, mb3.3/4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Base Esperanza, Palmer Station, PMSA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like YUK, YUK, YUK, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PDAR, PDAR, PDAR, etc.

TRN 02 23:48:00.0, 10.87N, 62.40W, h6.1km, MD3.4, North of the Paria peninsula. FUVN 02 23:48:32.8, 10.90N, 62.32W, h27km, MW3.5, Presumed earthquake. ISC 02 23:48:30.2, 2.1, 10.91N, 0.05, 62.46W, 0.04, h17km, 16km, n12, c1900/24, Near coast of Venezuela



ARRY Arrayan	0.54 353	↑P	Pg	00 11 10.2 -1.7	BCIP Isla Barro Col	10.38 352	Pn	00 13 39.1 +4.2	GOGA	comp-Z,7.0nm,0.8s	IAMB	IAMB	00 17 57.6	
ALAT Latacunga	0.36 314	↑P	Pg	00 11 11.6 -0.7	BCIP Isla Barro Col	10.38 352	P	00 13 37.2 +2.3	LRAL Lakeview Rete	34.99 347	IAMB	P	00 17 58.6 0.0	
IGUA Iguazata	0.42 222	↑P	Pg	00 11 11.9 -1.5	BCIP Isla Barro Col	10.38 352	P	00 13 38.8 +3.9	LRAL	comp-Z,1.9nm,1.1s	IAMB	P	00 17 59.6	
BMOR Cotopaxi Volca	0.46 347	↑P	Pg	00 11 13.5 -0.6	BRU2 Volcan	10.81 337	Pn	00 13 40.7 -0.2	BB19B Bebedouro	35.18 126	eP	P	00 17 59.0 -1.5	
PUYO Puyo, Santa Ro	0.46 133	S	Sb	00 11 26.9 +3.9	BRU2 Volcan	10.81 337	Pn	00 13 42.1 +1.2	Y52A Liburn	35.27 352	P	P	00 17 59.7 -1.3	
PUYO Puyo, Santa Ro	0.47 343	↑P	Pg	00 11 14.5 +1.3	BRU2 Volcan	10.81 337	Pn	00 13 45.4 +4.5	Y52A	comp-Z,1.5nm,1.4s	IAMB	IAMB	00 18 42.5	
SLOP San Lorenzo-	0.47 343	↑P	Pg	00 11 14.0 -0.3	NNA Nana	10.84 172	Pn	00 13 44.0 +2.7	Z47A	comp-Z,5.2nm,0.3s,baz=332,slow=11,SNR=7.8	P	P	00 18 02.1 0.0	
SLOP San Lorenzo-	0.47 343	↑P	Pg	00 11 13.5 -0.8	NNA Nana	10.84 172	Pn	00 15 44.5 +1.3	Y49A	comp-Z,1.0nm,0.9s	IAMB	IAMB	00 18 03.9 -0.9	
SRAM San Ramm-Vol	0.47 343	↑P	Pg	00 11 13.6 -0.9	NNA Nana	10.84 172	Pn	00 13 34.5 -6.7	FPAL Fort Paine	36.18 350	P	P	00 18 08.0 -0.9	
TAMB Tambo	0.48 359	↑P	Pg	00 11 13.9 -0.7	NNA Nana	10.84 172	Pn	00 13 43.8 +2.5	KMSC Kings Mountain	36.24 356	IAMB	IAMB	00 18 09.4 0.0	
PORT Chimborazo Vol	0.50 236	↓P	Pg	00 11 13.4 -1.5	NNA Nana	10.84 172	Pn	00 13 45.1 +3.8	X48A	comp-Z,9.5nm,1.0s	P	P	00 18 09.4 -1.0	
OTAC Chimborazo Vol	0.52 353	↓P	Pg	00 11 14.5 -1.3	LCR2 La Lucha 2	12.22 393	Pn	00 14 02.1 +1.8	Y45A	comp-Z,1.0nm,1.0s	IAMB	IAMB	00 18 10.7 -0.1	
BREF Cotopaxi Volca	0.51 351	↑P	Pg	00 11 14.8 -0.4	HDC Heredia	12.60 333	Pn	00 14 04.9 +0.9	HND0	comp-Z,2.0nm,0.4s	IAMB	IAMB	00 18 13.8	
BVCC Cotopaxi Volca	0.52 354	↑P	Pg	00 11 14.7 -0.6	SDV	Santo Domingo	12.52 37	Pn	00 14 08.9 +3.2	CANS	comp-Z,0.9nm,0.3s,baz=226,slow=14,SNR=7.1	P	P	00 18 15.5
VC21 Cotopaxi 1	0.54 355	↑P	Pg	00 11 15.0 -0.6	SDV	Santo Domingo	12.52 37	Pn	00 14 09.4 +3.7	W50A	comp-Z,2.0nm,0.3s,baz=313,slow=12,SNR=3.6	IAMB	IAMB	00 18 13.9 -0.1
NASZ Nasa	0.54 348	↑P	Pg	00 11 15.5 -0.3	SDV	Santo Domingo	12.62 37	Pn	00 14 17.3 +4.5	V58A	comp-Z,2.0nm,0.3s,baz=257,slow=22,SNR=1.8	IAMB	IAMB	00 18 14.3 +0.4
SUCR Mariscal Sucre	0.52 246	↑P	Pg	00 11 15.3 -0.6	JTS	Las Juntas de	13.15 330	Pn	00 14 17.3 +4.5	V58A	comp-Z,1.0nm,1.0s	IAMB	IAMB	00 18 18.2
TAMH Tambhousaha Ch	0.55 229	↑P	Pg	00 11 14.6 -1.3	JTS	Las Juntas de	13.15 330	Pn	00 14 19.5 -3.6	V58A	comp-Z,1.0nm,1.0s	IAMB	IAMB	00 18 13.9 -0.1
ARDO Archidona, Ten	0.59 72	↑P	Pg	00 11 17.0 -1.1	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=224,slow=40	IAMB	IAMB	00 18 15.5
ILLI Ilinizas Sur	0.59 321	↑P	Pg	00 11 15.3 -1.3	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
CHSH Refugio Sur-Vo	0.60 238	S	Sg	00 11 25.9 +2.2	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
CHSH Refugio Sur-Vo	0.60 238	↓P	Pg	00 11 16.5 -0.6	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
OTAC Chimborazo Vol	0.62 353	↓P	Pg	00 11 16.5 -0.6	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
ANTM Antisana-La Mi	0.65 12	↑P	Pg	00 11 16.8 -1.0	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
AMAC Ecuador-Machac	0.67 341	↑P	Pg	00 11 18.1 -0.1	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
ANTG Antisana-Guama	0.68 9	↑P	Pg	00 11 17.3 -1.0	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
TOMA Boca Toma-Volc	0.68 354	↑P	Pg	00 11 17.7 -0.7	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
ANTS Antisana-Sarah	0.70 16	↑P	Pg	00 11 17.9 -0.5	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
ANTS Antisana-Sarah	0.70 16	↑P	Pg	00 11 18.2 -1.2	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
ANTI Antisana	0.73 18	↑P	Pg	00 11 18.1 -1.7	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
AGRD Ecuador-Guaran	0.76 239	↑P	Pg	00 11 20.8 -0.6	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
APSA Papallacta	0.84 17	↑P	Pg	00 11 23.0 -1.3	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
PKYU Pakayacu	0.90 121	↑P	Pg	00 11 23.0 -1.3	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
TING Casa Alexandra	0.90 354	↑P	Pg	00 11 22.2 -0.2	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
CNCT Edificio In	0.90 354	↑P	Pg	00 11 22.2 -0.2	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
GGPT Taza - Volcan	0.98 345	↑P	Pg	00 11 22.7 -1.4	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
JUA2 San Juan 2	0.99 347	↑P	Pg	00 11 23.0 -1.3	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
GGPC Guagua Pichinc	1.02 346	↑P	Pg	00 11 23.5 -1.4	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
TERV Terraza Guagua	1.03 346	↑P	Pg	00 11 23.7 -1.3	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
PUEM Granja Avicola	1.03 359	↑P	Pg	00 11 24.8 -0.3	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
YANA Yana	1.07 349	↑P	Pg	00 11 24.4 -1.5	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
AV11 Acelerografo,	1.10 359	↑P	Pg	00 11 25.5 -0.8	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
APR1 Acelerografo,	1.15 347	↑P	Pg	00 11 26.6 -0.8	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
AV05 Acelerografo,	1.18 35	↑P	Pg	00 11 27.2 -1.0	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
ASDO Santo Domingo	1.19 320	↑P	Pg	00 11 25.5 -2.5	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
PULU Pululahu	1.20 353	↑P	Pg	00 11 26.6 -1.8	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
CAYR Refugio Cayamb	1.20 353	↑P	Pg	00 11 26.6 -1.8	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
ANGU Angreale	1.27 16	↑P	Pg	00 11 28.6 -1.0	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
APR2 Miller	1.39 334	↑P	Pg	00 11 30.6 -0.8	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
AOTA Otavalo	1.41 4	↑P	Pg	00 11 31.7 -0.7	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
IMBA Imbabura, San	1.46 6	↑P	Pg	00 11 32.4 -0.7	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
IMBA Imbabura, San	1.46 6	↑P	Pg	00 11 32.4 -0.7	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
IMBA Imbabura, San	1.46 6	↑P	Pg	00 11 32.4 -0.7	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
TAIS Taisha	1.47 144	↑P	Pg	00 11 33.0 -0.5	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
CUIC Cuicocha-Domo	1.47 360	↑P	Pg	00 11 31.6 -1.3	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
CUSE Cuicocha Este	1.48 358	↑P	Pg	00 11 31.5 -1.4	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
CUSE Cuicocha Este	1.48 358	↑P	Pg	00 11 31.3 -1.6	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
PACT Pacto, Paraso	1.50 342	↑P	Pg	00 11 31.9 -1.2	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
PACT Pacto, Paraso	1.50 343	↑P	Pg	00 11 31.1 -1.8	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
COTA Cotacachi	1.50 1	↑P	Pg	00 11 32.5 -0.9	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
YAHU Yahuarcocha	1.56 11	↑P	Pg	00 11 34.6 -0.7	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
BV15 Puerto Quioto-O	1.58 327	↑P	Pg	00 11 32.7 -1.2	JTS	Las Juntas de	13.15 330	Pn	00 14 18.2 +2.0	V58A	comp-Z,2.0nm,0.3s,baz=226,slow=14,SNR=7.1	IAMB	IAMB	00 18 13.8
AV03 Acelerografo,	1.60 347	↑P	Pg	00 11 34.0 -1.7										





3d 0h

Table of seismic events with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes events like A05A Maple Falls, A04D Lummi Island, B04A Port Angeles, etc.

ISC 03 00:21.7: 1.1, 37.26N; 135.11E, h381km, 17km, mb2.8/3, mbtmp3.7/7, Error ellipse: s-maj=29.4km s-min=18.4km az=54.0

Table of seismic events with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes events like JWT Wachi, JWA Ashikawa, JYA Matsushiro, etc.

20 OCT

Table of seismic events with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes events like WRA Warramunga Arr, etc.

NOU 03 00:35:14.3, 16:85S:167.42E, h0km, MLV4.4/20, Vanuatu Islands, Vanuatu Islands

Table of seismic events with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes events like REI Reidovoe, KUR Kuril'sk, etc.

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Table of seismic events with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes events like H11N2 WAKE ISLAND HY, H11N1 WAKE ISLAND HY, etc.

SJA 03 00:45:1.8: 0.7, 22.47S; 68.53W, h132km, 5km, ML3.2, MW3.5

GUC 03 00:45:2.0: 0.8, 22.45S; 68.49W, h113km, 4km, ML3.1, Presumed earthquake

ISC 03 00:45:52.8: 1.9, 22.46S; 0.06: 68.60W, 0.05, h134km; 13km, n28, r1948/46, 7C-1D, Northern Chile

Table of seismic events with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes events like AF01 San Pedro de A, PB09 IPOC Station P, etc.











Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like HEH, ULN, SONM, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like KHZ, BKZ, RTZ, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like DAG, HFS, GSPA, etc.

DJA 03 04:09:11.4, 0.2, 0.2, 0.2, 12.3E, h56km, 8km, M4, 3/24, mB5, 1/2, mB4, 2/7, MLv4, 3/24, Mw(mB)4, 5/2

Table with columns: Code, Station Name, Frequency, Power, Direction, and other parameters. Includes stations like LUWI, LUWI, LUWI, etc.

WEL 03 04:49:54.1, 1.1, 34'S, 177°18'0W, 2.4, h317km, 23km, M4, 0/7, mB4, 7/1, ML3, 6/7, Mw(mB)4, 0/1, Error ellipse: s-m=34.6km s-min=17.0km az=119.8

Table with columns: Code, Station Name, Frequency, Power, Direction, and other parameters. Includes stations like WEL, WEL, WEL, etc.





Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like Hauiti, Pukeiti, Rangitukua, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like Waiheke Island, Raukumara Rang, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like Kararay Array, Ala-Archa, etc.

SNET 03 06:46:13.8±2.3, 13°56'N-91°23'W, h60km, ML3.8, Presumed earthquake
CATAC 03 06:46:13.5±0.6, 14°14'N-91°17'W, h22km, 6km, M4.1/21, MLv4.1/21, Error ellipse: s-maj=9.4km s-min=4.7km az=31.6, confirmed
GCG 03 06:46:13.8±1.6, 13°86'N-91°35'W, h46km, 32km, MD4.3, ML4.3, MV3.3, Presumed earthquake

ISC 03 06:46:14.5±2.3, 13.7N-91.1W, h109km, 111km, n34, s088/44, Near coast of Guatemala

AFAD 03 07:03:29.6, 34°86'N-31°32'E, h7km, 3km, ML2.0
GII 03 07:03:29.2±0.0, 34°86'N-31°32'E, h0km, 0.001, h0km, Mw3.0, confirmed

ISK 03 07:03:31.6, 34°96'N-31°10'E, h14km, ML2.6/11
NIC 03 07:03:34.8, 34°84'N-31°20'E, h32km, 27km, M2.2/4
ISC 03 07:03:32.8±1.5, 34°80'N-03°31.08E±0.06, h30km, 15km, n33, s104/56, 1C, Cyprus region

IDC 03 06:52:44.1±5.7, 36°34'N-70°92'E, h181km, 52km, mb3.1/5, mbmp3.7/10, MS2.6/1, Error ellipse: s-maj=43.6km s-min=25.1km az=29.0

IDC 03 07:04:43.8±1.4, 29°63'S-67°15'W, h109km, 14km, mb3.7/8, mbmp4.0/12, Error ellipse: s-maj=23.0km s-min=14.0km az=121.0

NEIC 03:07:04.44.8.1.6, 29.70S, 0.09:67.2W:0.1, h119km, 14km, mb4.5/9, Error ellipse: s-maj=18.2km s-min=13.0km az=84.0

SJA 03:07:04.44.1.0.6, 29.73S:67.14W, h128km, 3km, ML3.9, MW3.9

VAO 03:07:04.44.0.9, 29.69S:67.03W, h137km, 5km, mb4.4, Presumed earthquake

ISC 03:07:04.22.0.5, 29.70S:0.03:67.10W:0.04, h123km, 5km, n115, c163/146, mb4.2/11, La Rioja Province

Table with columns: Code, Station Name, Delta Azimuth, Phase ID, Time, Residual, ISC, h, m, s, ISC. Lists various seismic stations and their recorded data.

Table with columns: SLA, RFA, BO04, MT09, MT01, VA05, BO01, PB14, BO02, BO05, ML02, PB06, PB05, PB03, PSAL, PSAL, PSAL, PB07, PB02, ANCO, ANCO, ITQB, CPUP, GO01, PLCA, PLTB, LPZA, LPZA, LPZA, LPZA, SIV, PTBL, VILB, YAO, ARAG, BDBF, CZSB, CZSB, CZSB, SNDB, CAM01, MACA, MACA, NBNP, NBNP, BOAV, BOAV, MLPR, QSPA, QSPA, TXAR, TXAR, PBMO, PBMO, PBMO, TORD, TORD, PDAR, PDAR, ULM, ULM, SCH0, SCH0, WRA, WRA, KURBB, KURBB, ZALV, ZALV, MKAR, MKAR, MKAR, MKAR, HJC, HJC, NJ2, NJ2. Lists seismic stations and their recorded data.

IDC 03:07:11:27.9.2.4, 18.48S:178.21W, h558km, 26km, mb2.9/4, mbtmp3.7/5, Error ellipse: s-maj=52.8km s-min=28.6km az=170.0, Fiji Islands region

Table with columns: Code, Station Name, Delta Azimuth, Phase ID, Time, Residual, ISC, h, m, s, ISC. Lists seismic stations and their recorded data.

SDDR comp=Z, 66mm, 1.0s IAML 07 23 28.2

REDR Restauracion 0.92 15 iEg Pg 07 23 15.1 +0.1 IESg Sn 07 23 28.6 +0.8 IAML 07 23 31.7

LGNH Logne 0.94 285 i P IAML Pn 07 23 15.4 +0.1 07 23 28.8

LOPPI Punta Rusia, P 1.63 15 i P IAML Pn 07 23 26.6 +0.1 07 23 33.4

HATOM Hato Mayor del 2.21 76 ePg Pn 07 23 36.2 -0.3 IESg Sb 07 24 05.4 +1.9 IAML 07 24 15.7

DJA 03:07:32.01.0.0.3, 3.3N:3.9E:1.0, h10km, M4.5/23, mB5.9/2, mb4.7/2, MLv4.4/23, Mw(mB)5.4/2

NEIC 03:07:32.33.1.3, 2.52N:0.07:96.9E:0.1, h52km, 9km, mb4.0/13, Error ellipse: s-maj=15.2km s-min=9.0km az=7.1

IDC 03:07:32.37.9.10.0, 2.55N:0.96:93E, h100km, 88km, mb3.5/10, mbtmp3.9/11, ML4.4/11, MS3.2/3, Error ellipse: s-maj=88.2km s-min=17.2km az=56.0

ISC 03:07:32.30.6.0.7, 2.54N:0.06:96.8E:0.08, h33km, n54, c1514/46, mb4.0/14, Northern Sumatera

Table with columns: Code, Station Name, Delta Azimuth, Phase ID, Time, Residual, ISC, h, m, s, ISC. Lists various seismic stations and their recorded data.





Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SCLRA, RBALA, PBNVO, etc.

JMA 03 09:31:19.8-0.1, 35.2N-0.1, 137.7E-0.1, h14km, MV0.2/22, SOUTHERN NAGANO PREF, Eastern Honshu

MOS 03 09:31:30.9-0.9, 33.44N-140.95E, h42km, mb5.9/1, MS5.4/67, Error ellipse: s-maj=6.8km s-min=3.6km az=119.1

ISC-PP 03 09:31:31.33-48N, 140.94E, h25km, 1km, Mwpp5.6/0, Moment Tensor Solution. s3 Moment tensor: Scale 10^17Nm; Mm=0.42; 10; Mm=0.14; 37; Mm=0.03; 16; Mm=0.04; 17; Mm=0.43; 16; Mm=0.47; 16; Fault plane solution: M1: 0.5000x10^18 Np1: 0.163x10^18 Np2: 0.7120000x10^18 Np2: 0.27640000x10^18 Np2: 0.4140000x10^18 Np2: 0.15090000x10^18 Np2

PTWC 03 09:31:31.33-50N, 141.40E, Mwpp6.0/11, IDC 03 09:31:31.7-1.0, 33.46N-140.91E, h35km, 6km, mb5.3/30, mbmp5.5/35, ML4.6/k, MS5.3/93, Error ellipse: s-maj=9.0km s-min=7.6km az=84.0

NEIC 03 09:31:31.3-1.6, 33.48N-140.94E-0.07, h29km, 2km, mb5.8/871, Ms 20.5/484, Mw5.7/166, Mw5.8/37, Error ellipse: s-maj=8.9km s-min=8.3km az=87.0, Moment Tensor Solution. s3 Moment tensor: Scale 10^17Nm; Mm=4.43; Mm=0.37; Mm=4.80; Mm=1.27; Mm=0.62; Mm=0.61; Fault plane solution: M1: 0.5000x10^18 Np1: 0.163x10^18 Np2: 0.7120000x10^18 Np2: 0.27640000x10^18 Np2: 0.4140000x10^18 Np2: 0.15090000x10^18 Np2

NEIC 03 09:31:31.9, 33.53N-141.04E, h31km, NEIC 03 09:31:31.2, 33.48N-140.94E, h28km, JMA 03 09:31:32.5-0.1, 33.5N-0.4, 141.0E-0.3, h48km, 1km, MD5.8/84, Mw5.9/84, E OFF HACHUJIMA ISLAND, JMA Feil J1 at E OFF HACHUJIMA ISLAND.

BGR 03 09:31:32.6, 33.39N-141.07E, h53km, mb5.8, mb\_BB6.3, Ms5.5

NIED 03 09:31:32.5, 33.53N-141.04E, h48km, MW5.8, Moment Tensor Solution. s3 Moment tensor: Scale 10^17Nm; Mm=5.60; Mm=1.23; Mm=6.83; Mm=0.96; Mm=1.07; Mm=0.59; Fault plane solution: M6.41000x10^17 Np1: 0.3560000x10^18 Np2: 0.8450000x10^18 Np2: 0.3560000x10^18 Np2: 0.8450000x10^18 Np2: 0.3560000x10^18 Np2: 0.8450000x10^18 Np2

GFZ 03 09:31:33.7, 33.44N-140.88E, h39km, Mw5.8/115, Moment Tensor Solution. s3 Moment tensor: Scale 10^17Nm; Mm=5.03; Mm=1.13; Mm=6.16; Mm=1.63; Mm=0.89; Mm=0.55; Fault plane solution: M6.00900x10^17 Np1: 0.20507837x10^18 Np2: 0.49891x10^18 Np2: 0.11497435x10^18 Np2: 0.34806213x10^18 Np2: 0.6174201x10^18 Np2: 0.6274, Plg70.1979, Azm176.739, N 0.6879, Plg19.3918, Azm9.0272, P -6.3153, Plg3.8575, Azm277.6672

GFZ 03 09:31:34.0-0.2, 33.3N-1.14E, h52km, 1km, M5.7/21, mb6.1/138, mb(Mw)5.6/138, Mw(Mw)5.6/138, Mw(Mw)5.6/138, Mw(Mw)5.6/138

GCMT 03 09:31:35.2-0.1, 33.47N-141.08E, h38km, MW5.8/173, Moment Tensor Solution. s161 c304, s173 c535; Duration: 2s Moment tensor: Scale 10^19Nm; Mm=0.60; 0.13; Mm=1.50; Mm=0.75; 0.0; Mm=0.28; 0.1; Mm=0.13; 0.0; Mm=0.13; 0.0; Best double couple; M=0.75600x10^18 Np1: 0.3440000x10^18 Np2: 0.8470000x10^18 Np2: 0.2110000x10^18 Np2: 0.8470000x10^18 Np2: 0.2110000x10^18 Np2: 0.8470000x10^18 Np2

IPGP 03 09:31:35.0, 33.52N-140.90E, h32km, Mw5.9, Fault plane solution: Np1: 0.3490000x10^18 Np2: 0.8440000x10^18 Np2: 0.3490000x10^18 Np2: 0.8440000x10^18 Np2: 0.3490000x10^18 Np2: 0.8440000x10^18 Np2

NEIC 03 09:31:38.6, 33.68N-141.18E, h36km, Moment Tensor Solution. s3 Moment tensor: Scale 10^17Nm; Mm=5.92; Mm=0.81; Mm=6.72; Mm=2.32; Mm=1.03; Mm=0.04; Fault plane solution: M6.85000x10^17 Np1: 0.34754000x10^18 Np2: 0.6476000x10^18 Np2: 0.34754000x10^18 Np2: 0.6476000x10^18 Np2: 0.34754000x10^18 Np2: 0.6476000x10^18 Np2

ISC 03 09:31:33.3-0.2, 33.55N-0.02, 140.97E-0.02, h52km, 1km, h52km; pp-P, n2277, s1968/1951, mb5.7/797, MS5.4/383,

Main table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like 72C-62D, SouthEast of Honshu, HJH2, HJH3, etc.

Main table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MAJO, Matsushiro, MJB9, etc.

Table with columns for city/country codes (MDJ, UGL, CN2, etc.), flight details (SS, S, Pn, etc.), and numerical data (09 37 43.8 -1.3, etc.).

Table with columns for city/country codes (NKL, TIA, YULB, etc.), flight details (comp, smax, MLR, etc.), and numerical data (19.74 285, etc.).

Table with columns for city/country codes (WHN, PEAOB, PETK, etc.), flight details (comp, L, P, etc.), and numerical data (22.97 26, etc.).



3d 9h

Table with columns for station code, name, frequency, and signal strength. Includes stations like WMQ, DGZ, LSA, PMG, KAPI, etc.

2020 OCT

Table with columns for station code, name, frequency, and signal strength. Includes stations like SAVO, CNBA, N15K, etc.

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Table with columns for station code, name, frequency, and signal strength. Includes stations like JAGI, SATY, SATY, etc.

Table with columns: MTSU, Mount Surprise, 51.44 176, P, P, 09 40 34.8 +1.5, FITZ, Fitzroy Crossi, 53.35 198, P, P, 09 40 48.0 +0.6, etc.

2020 OCT

Table with columns: FITZ, Fitzroy Crossi, 53.35 198, P, P, 09 40 48.0 +0.6, EYAK, Cordova Ski Arr, 53.39 36, P, P, 09 40 49.0 +1.8, etc.

3d 9h

Table with columns: EYAK, Eagle Plains, 56.78 29, Iamb, Iamb, 09 41 15.3, K29M, Barlow Dome, 56.83 32, Iamb, Iamb, 09 41 31.5, etc.





Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like BANOM, SHME, GOF, WIFE, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like NEUR, VSU, ALNE, ALNE, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like MHC, MOO, MOO, MOO, etc.

3d 9h

Table with columns: Station Name, Frequency, Class, and Signal. Includes stations like RNP88 Varash, RNP55 Starji Chortor, TIN Tinemaha, etc.

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Table with columns: Station Name, Frequency, Class, and Signal. Includes stations like GAZ Gaziantep, NNZ Nelson, NOQ North Oquirrh, etc.

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Table with columns: Station Name, Frequency, Class, and Signal. Includes stations like BELC Belle Mtn. Jos, TURR Turia, KOLS Kolonick sedl, etc.



Table with columns for station ID, name, frequency, and other technical details. Includes stations like MOA Mollin, CTZ Chatham Island, LAWE Loch Ave, etc.

Table with columns for station ID, name, frequency, and other technical details. Includes stations like STU Stuttgart, 319A Douglas, KARP Karpathos, etc.

Table with columns for station ID, name, frequency, and other technical details. Includes stations like IGLA Glengowla, I40A Norwalk, MNXX Cornudas Mount, etc.



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like USpallata, Vinchina, Tinogasta, etc.

JMA 03 09:32:19.40.0.1, 28.1N, 0.3, 128.0E, 0.4, h17km, 2km, MV1.7/6, NW OFF OKINAWA JIMA IS, Ryukyu Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Tokunoshima, Amaminishikomi, Itheya, etc.

TAP 03 09:35:59.3, 24.15N, 121.63E, h3km, ML1.4, D, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Fush Village, Ninganchiao, NACB, etc.

TAP 03 09:36:02.7, 24.45N, 121.72E, h33km, ML2.3, A, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Aohua, Suo, Datong, etc.

TAP 03 09:36:02.7, 24.45N, 121.72E, h33km, ML2.3, A, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Aohua, Suo, Datong, etc.

IDC 03 09:58:58.5-1.9, 7.80S, 123.05E, h233km, 14km, mb3.3/3, mbmp3.9/7, Error ellipse: s-maj=67.4km s-min=16.3km az=59.0

IDC 03 09:58:60.1-0.3, 7.9S, 123.0E, 0.3, h250km, n7, s=187/11, mb3.7/3, Banda Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Baumata, FITZ, WRA, etc.

UCR 03 10:10:44.5-1.7, 0.79N, 82.43W, h8km, 24km, MW3.6, Presumed earthquake

UPA 03 10:10:46.9-1.5, 7.16N, 82.39W, h19km, 12km, MD4.0, MW3.6, Fault plane solution: N1P, 220, 12000, 857, 20000, A-32, 370000, Presumed earthquake

ISC 03 10:10:42.61-0.9, 7.08N, 0.07, 82.45W, 0.04, h8km, 11km, n41, s150/60, 12C-2D, South of Panama

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Chirigu UPA, David, GUAL, etc.

IDC 03 10:43:55.0-1.0, 62.03S, 57.83W, h0km, mb4.0/6, mbmp4.0/6, Error ellipse: s-maj=47.5km s-min=24.0km az=76.0

NEIC 03 10:43:56.1-0.7, 62.29S, 0.08, 58.26W, 0.10, h11km, 4km, mb4.9/18, Error ellipse: s-maj=11.8km s-min=6.0km az=196.0

ISC 03 10:43:57.1-0.6, 62.20S, 0.09, 58.29W, 0.09, h10km, n43, s184/37, mb4.7/16, 3C, South Shetland Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Base Esperanza, Palmer Station, etc.

WRA Warramunga Arr 97.52 192 P P 10 57 29.7 -1.6

ARCES ARCESS Array B 144.00 37 PKP PKPab 11 03 28.0 -0.4

ARCES ARCESS Array B 144.00 37 PKPab 11 03 28.0 +0.1

BVAR Borovoye Array 151.75 85 PKPbc PKPfd 11 03 49.0 +4.9

MKAR Makanchi Array 152.95 106 PKPbc PKPfd 11 03 51.7 +5.5

KURBB Kurchatov Arr 153.96 96 PKPbc PKPbc 11 03 54.3 -1.2

IDC 03 10:56:41.9-3.5, 22.19N, 144.58E, h0km, mb3.9/5, mbmp3.9/5, Error ellipse: s-maj=146.1km s-min=27.9km az=79.0, Volcano Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA, MKAR, KURBB, etc.

JMA 03 11:33:39.6-0.1, 33.5N, 0.4, 141.1E, 0.3, h44km, MV3.6/75, E OFF HACHUJOUJIMA ISLAND

IDC 03 11:33:41.6-3.5, 33.44N, 140.84E, h61km, 26km, mb3.6/4, mbmp3.7/7, ML3.0/3, Error ellipse: s-maj=44.2km s-min=11.9km az=83.0

ISC 03 11:33:39.3-1.6, 33.50N, 0.05, 141.08E, 0.09, h45km, 17km, n36, s118/45, mb4.0/4, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JHJ2, JHJ1, Boso, etc.





3d 12h

Table of station data for 3d 12h, including columns for station name, time, and various parameters like Iamb, Iamb, and numerical values.

2020 OCT

Table of station data for 2020 OCT, including columns for station name, time, and various parameters like Iamb, Iamb, and numerical values.

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Table of station data for 160, including columns for station name, time, and various parameters like Iamb, Iamb, and numerical values.







Table with columns for station name, frequency, power, and other technical details. Includes stations like STEI Steigen, FAUS Fauske, ANN Anapa, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like NC204 NORSAR Array S, TCLR TCLR, DOMB Dombas, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like VYHS Vyhne, MAUC Maruska, MPEP Malo Peshtene, etc.



Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like CLZ, NKC, KHC, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like YHB, WLF, FUOR, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like LPAZ, JMA, MAN, etc.









3d 13h

Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like EBR, Ebro Roquetas, PARRA, etc.

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Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like BUKO, Buck Lake, Barranco-do-De, etc.

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Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like H29M, Whitestone, WSPST, Westport, etc.







Table with columns: ISCO, comp, 48.40 274, IAMB, IAMB, 13 31 31.9, etc. Lists various locations and their associated data points.

Table with columns: CNBA, 50.90 325, IAMB, IAMB, 13 31 49.1, etc. Lists various locations and their associated data points.

Table with columns: EIL, 53.74 102, P, P, 13 32 09.9 +0.9, etc. Lists various locations and their associated data points.





3d 13h

Table with columns: Station, Name, Time, Res, and various status codes. Includes stations like RCBAR, JGF, MACA, INU, JTSU, etc.

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Table with columns: Station, Name, Time, Res, and various status codes. Includes stations like MBAR, GULI, VIS, JVD, etc.

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Table with columns: Station, Name, Time, Res, and various status codes. Includes stations like LSZ, CPUP, KULM, MATP, etc.

RSNC 03 13:33:28.6+0.0, 8"N 14:7'5"W, h25km±10km, M2.3, ML2.1, Northern Colombia

Code Station Name Δ° AZZ Phase ID Time Res Op ISC h m s ISC



Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other technical details for stations like UREC, PTBC, APAC, etc.

IDC 03 13:39:37.1.1.3, 7.99N, 127.21E, h0km, mb3.8/5, mbmp3.8/5, Error ellipse: s-maj=43.3km s-min=21.4km az=73.0

MAN 03 13:39:40.0, 7.88N, 127.25E, h16km, MS3.8, ISC 03 13:39:40.7, 2.3, 7.92N, 127.21E, 0.10, h24km, 15km, n17, c2504/28, mb4.1/5, Philippine Islands region

Main station list table for the Philippines region, including stations like Cateel, Bislig, Tandag City, Davao City, etc.

IDC 03 13:39:56.2.6.6, 25.20S, 179.58E, h480km, 73km, mb2.9/4, mbmp3.9/5, Error ellipse: s-maj=48.0km s-min=29.8km az=29.0

ISC 03 13:39:58.9.1.3, 25.45S, 0.1, 179.58E, 0.2, h507km, n6, c1516/6, mb3.4/4, South of Fiji Islands

Main station list table for the South of Fiji Islands region, including stations like Urewera, ASAR Alice Springs, WRA Warramunga Arr, etc.

IDC 03 13:51:44.2.5.9, 30.11N, 143.35E, h0km, mb3.7/7, mbmp3.6/8, ML2.9/1, MS3.9/1, Error ellipse: s-maj=245.7km s-min=18.2km az=73.0

JMA 03 13:51:54.4.0.5, 30.12N, 143.35E, h122km, MV3.3/26, NEAR TORISHIMA IS

ISC 03 13:51:52.6.1.7, 29.77N, 0.1, 142.4E, 0.4, h35km, n16, c126/18, mb3.9/7, Southeast of Honshu

Main station list table for the Southeast of Honshu region, including stations like Boso, Hanjo, Ysato, etc.

MAN 03 14:15:52.0, 15.65N, 120.37E, h5km, MS4.6, MAN INTENSITY IV - CAMILING SAN CLEMENTE SANTA IGNACIAPANQUI GERONA AND SAN JOSE TARLAC;

URDANETA CITY ROSALES AGUILAR LABRADOR VILLASIS ALCALA AND BUGALLON PANGASINAN; INTENSITY III - DAGUPAN CITY AND LINGAYEN PANGASINAN; TARLAC CITY; BAGUIO CITY LA TRINIDAD AND ITOGON BENGUET; FLORIDABLANCA AND PORAC PAMPANGA; INTENSITY II - QUEZON CITY.

BUI 03 14:15:55.0, 15.59N, 120.43E, h36km, mb4.8/7, mb4.5/4/6, MS4.3/13, MS7.4/1/5

IDC 03 14:15:56.9.3.7, 15.60N, 120.57E, h48km, 37km, mb4.1/2/3, mbmp4.4/2/5, ML4.1/2, MS3.8/2/9, Error ellipse: s-maj=21.3km s-min=11.6km az=69.0

NEIC 03 14:15:56.6.2.5, 15.62N, 106.120.27E, 0.08, h46km, 5km, mb4.7/87, Error ellipse: s-maj=10.6km s-min=8.4km az=95.0

DJA 03 14:15:58.8.0.3, 16.1N, 3.12.0E, h40km, MS.3/27, mB5.8/13, mb4.9/27, Mw(mB)5.4/13, MwMwp7.3/1, Mwmp7.0/1

GFZ 03 14:15:58.3.0.1, 16.1N, 2.12.1E, h59km, M5.1/47, mb4.6/47

ISC 03 14:15:57.3.0.8, 15.67N, 120.31E, 0.04, h49km, 8km, n287, c1594/27/8, mb4.7/103, MS3.8/31, 5C-14D, Luzon

Main station list table for Luzon region, including stations like Bolineo, Tagaytay City, Santa, etc.

Main station list table for the 3-day 14-hour period, including stations like BUKSI, XAN, MWPI, etc.



Table with columns: Code, Station Name, Time, Res, Phase ID, and various numerical data points for stations like Tanaga Flats, Tanaga South, etc.

Table with columns: Code, Station Name, Time, Res, Phase ID, and various numerical data points for stations like Warramunga Arr, Alice Springs, etc.

Table with columns: Code, Station Name, Time, Res, Phase ID, and various numerical data points for stations like MOKO, SHBG, etc.

3d 16h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HEH HeiHe, FINES FINES Array B, ARCES ARCES Array B, etc.

NOU 03 15:46:12.5, 12:73S:166.99E, h174km, mb4.4/26, Santa Cruz Islands
IDD 03 15:46:16.5, 3.4, 13:10S:167.03E, h200km, 30km, mb3.7/14, mbmp4.2/15, Error ellipse: s-maj=22.3km s-min=13.7km az=90.0

Main table for 3d 16h section, listing station codes, names, and coordinates. Includes stations like SANVU Saraoutou, ARMA Armadale, etc.

2020 OCT

comp=Z,0.7m,0.5s,baz=353,slow=3.1,SNR=8.4

KRSC 03 16:08:52.0, 2.1, 51:22N:157.59E, h129km, 11km, M13.6
IDD 03 16:08:54.9, 1.9, 51:58N:156.89E, h157km, 23km, mb3.0/4, mbmp3.5/4, Error ellipse: s-maj=48.8km s-min=23.2km az=148.0

Main table for 2020 OCT section, listing station codes, names, and coordinates. Includes stations like PAU Pauzhetka, KOTR Khodutka, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KTBS, KST KasteK, etc.

NEIC 03 16:26:16.1, 2.0, 62:30S:0:04:58:33W:0:07, h7km, 3km, mb4.8/29, Error ellipse: s-maj=6.1km s-min=4.3km az=147.0

IDD 03 16:26:17.6, 0.9, 62:15S:57.42W, h0km, mb4.1/7, mbmp4.2/7, MS3.9/9, Error ellipse: s-maj=52.1km s-min=16.8km az=74.0

Main table for 180 section, listing station codes, names, and coordinates. Includes stations like JUBA, ESPZ, etc.











Table with columns for ID, Name, Date, Time, Status, and other details. Includes entries like M20K Styx River, PRZ Przeval'sk, L20K Farewell Bend, etc.

Table with columns for ID, Name, Date, Time, Status, and other details. Includes entries like H22K Ishlatalina Cre, F21K Alaina River, AAK Ala-Archa, etc.

Table with columns for ID, Name, Date, Time, Status, and other details. Includes entries like WRAK Wrangell Island, P28M Old Crow, F32M Altin, etc.

3rd 16h

2020 OCT

Table with columns for station code, name, frequency, and other technical details. Includes stations like AKTO, PFO, PWO, GWY, ARTI, etc.

Table with columns for station code, name, frequency, and other technical details. Includes stations like MNK, KIRS, AKASG, BRTR, BOS, etc.

Table with columns for station code, name, frequency, and other technical details. Includes stations like CKRC, ARSA, KHC, KHC, KHC, GERES, MOA, SOKA, SESA, BIOA, OBKA, KBA, LESA, LESA, ABTA, WATA, WTTA, CFA, MOTA, SQTA, RETA, BOPT, FETA, MEM, EKA, DAVA, BCLA, RCHB, BMRD, ANAO, ANAO, CZSB, LPAZ, LPAZ, ROSC, CPUP, ESDC, ESDC, PGAV, POLO, MTE, SIV, COM, PMRV, PMRV, PCAS, AGDB, PBAR, TRCB, EVO, MOE, PMRV, PBEJ, PTLB, PLOUS, MESJ, VALMOS, PCVE, PVAQ, VILB, PTEO, MORF, MORF, MORF, PVFI, SPB, VAO, SALV, C2SB, BB19B, TACD, CANA, MORDA, BSCB, CFM, PDXM, ARAC, CLDB, CM01, IPMB, BOAV, BOAV, PMNB, BDFB, BDFB, DIAM, SNDB, RIB01, ITTB, PMOZ, SJMB, DBIC, DBIC, SDBA, SMTB, NBPN, NBPS, JMA 0316:37:53.0...

JMA 03 16:40:22.6:0.1,24.1N,0.7,122.3E:0.2,h46km,2km,
MV2 6/15, TAIWAN REGION
TAP 03 16:40:22.8:24.09N,122.30E,h51km,ML3.2,C
ISC 03 16:40:23.7:1.2,24.08N,0.02,122.31E:0.02,h44km,6km,
n115,0.19/02/194,1C-4D,Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various seismic stations and their associated data points.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like WCHH Zhanghua, WDLH Douliu, WDLH WDLH, etc.

IDC 03 17:15:14.6:5.4,36.17N,71.29E,h69km,49km,mb3.6/10,
mbmp3.9/13,ML3.7/4, Error ellipse: s-maj=34.9km
s-min=20.6km az=38.0
NEIC 03 17:15:18.8:2.6,36.42N,0.05:71.13E:0.10,h110km,8km,
mb4.5/21, Error ellipse: s-maj=11.1km s-min=7.9km
az=92.0
NNC 03 17:15:24.9:8.2,36.99N,70.42E,h102km,162km,mb3.6,
mpv4.2, Error ellipse: s-maj=65.3km s-min=59.3km
az=16.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like IDC 03 17:15:14.6, IDC 03 17:15:18.8, IDC 03 17:15:24.9, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like AB31 Akbulak array, ABKAR Akbulak array, EVN Everest, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like NC405 NORARS Array S, NC602 NORARS Array, NC303 NORARS Array S, etc.

IDC 03 17:22:36.8:0.8,73.87N,8.56E,h0km,mb3.5/6,
mbmp3.7/10,ML2.8/2, Error ellipse: s-maj=15.6km
s-min=14.7km az=40.0
BER 03 17:22:37.1:5.4,74.02N,8.74E,h10km,Mw4.6,
ML3.7(NAO), Confirmed Earthquake
NAO 03 17:22:38.8:0.4,73.95N,8.66E,h15km,ML3.7
FCIAR 03 17:22:39.0,73.87N:10.17E,h10km, station OMEGA has
station magnitude of 3.80
DNK 03 17:22:42.6:0.3,74.04N,7.36E,h18km, Presumed
earthquake

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like BEA1 Bear Island, BJO1 Bjornoya, BJO2 Bjornoya, etc.





Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and ISC. Includes stations like Cagayan de Oro, Davao City (W), and various other locations.

NEIC 03 18:37:20.3±2.0, 62.40S±0.01±58.45W±0.09, h6km, 3km, mb4.9/33, Error ellipse: s-maj=6.1km s-min=1.7km az=86.0

GFZ 03 18:37:22.8±2.0, 62.2S±4.5±8W±1.1, h10km, M4.6/13, mb4.6/13, confirmed

IDC 03 18:37:27.0±3.9, 62.16S±58.30W, h55km, 34km, mb4.0/13, mbmp4.2/13, MS3.7/24, Error ellipse: s-maj=23.6km s-min=13.6km az=84.0

ISC 03 18:37:20.8±0.3, 62.27S±0.04±58.34W±0.04, h10km, m125, ±174/110, mb4.7/31, MS3.8/23, 8C-2D, South Shetland Islands

Main table of station data for the 2020 OCT section, including station names, coordinates, and operational status.

Main table of station data for the 2020 OCT section, continuing from the previous table.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and ISC. Includes stations like Usurriysk, USRK, and USRR.

NEIC 03 18:59:57.2±2.1, 17.07S±0.04±167.0E±0.1, h10km, 1km, mb4.6/19, Error ellipse: s-maj=16.6km s-min=7.1km az=98.0

NOU 03 19:00:00.2, 17.16S±167.12E, h54km, mb5.3/16, Vanuatu Islands

IDC 03 19:00:02.0±7.3, 17.30S±167.11E, h57km, 75km, mb3.5/6, mbmp3.8/7, ML4.4/1, MS3.2/3, Error ellipse: s-maj=49.6km s-min=31.1km az=165.0

ISC 03 18:59:58.0±6.1, 17.13S±0.04±167.03E±0.06, h25km, n47, ±158/51, mb4.3/14, Vanuatu Islands

Main table of station data for the 3d 19h section, including station names, coordinates, and operational status.

IDC 03 19:06:48.5±2.0, 23.30S±179.77W, h551km, 20km, mb3.3/7, mbmp4.2/9, Error ellipse: s-maj=25.4km s-min=18.7km az=153.0

NEIC 03 19:06:49.5±1.2, 23.6S±0.1±179.9W±0.2, h548km, 9km, mb4.0/14, Error ellipse: s-maj=22.5km s-min=15.9km az=56.0

ISC 03 19:06:48.0±0.8, 23.52S±0.10±179.7W±0.1, h550km, n34, ±1803/36, mb4.0/14, South of Fijil Islands

Main table of station data for the 3d 19h section, continuing from the previous table.

3d 19h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like WARRAMUNGA ARR, WARRAMUNGA ARR, WARRAMUNGA ARR, etc.

TEH 03 19:07:38.6, 27.32N, 156.78E, h9km, 43km, ML2.9, Presumed earthquake
DSN 03 19:07:39.1, 1.1, 27.46N, 156.59E, h15km, ML3.0/9, Error ellipse: s-maj=19.8km s-min=9.5km az=98.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like IBND, GENO, KHNJ, SHME, BANOM, etc.

IDC 03 19:33:33.3, 1.5, 33.48N, 141.44E, h0km, mb3.7/3, mbmp3.6/4, ML2.6/1, Error ellipse: s-maj=27.8km s-min=16.3km az=61.0

JMA 03 19:33:39.8, 0.1, 33.5N, 141.1E, 0.4, h44km, 1km, MV3.1/37, E OFF HACHUJIMA ISLAND

ISC 03 19:33:39.9, 1.7, 33.48N, 141.1E, 0.1, h40km, 18km, n17, 0.966/26, mb3.8/3, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like JHJ2, JHJ2, JHJ, JHCJ, etc.

WEL 03 19:35:49.8, 0.3, 39.4, 17.5E, h19km, 4km, M3.6/61, ML4.0/24, ML3.6/61, Error ellipse: s-maj=5.3km s-min=2.2km az=178.6, confirmed

NOU 03 19:35:50.5, 39.15S, 174.85E, h23km, ML3.6/11, North Island, New Zealand

ISC 03 19:35:50.7, 0.9, 39.15S, 174.90E, 0.02, h28km, 7km, n110, 0.965/121, North Island

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like VRZ, VRZ, VRZ, PKVZ, etc.

2020 OCT

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MAVZ, MAVZ, MAVZ, DURHAM ROAD, etc.

RSNC 03 19:38:06.3, 2.5, 1, N50.8, 2W1.3, h0km, mb4.3, ML2.9
IGQ 03 19:38:12.2, 0.9, 1, S6.8, 0W1.9, h46km, M3.6/7, Mjma3.5/7, ML3.8/7, MLV3.5/7, Near coast of Ecuador

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ABH2, ABH3, ABH3, PEV, AMNT, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TGRZ, TGRZ, ANWZ, ANWZ, ANWZ, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ASIES 03 19:46:24.5, 24.21N, 120.82E, h27km, Mw3.3, Fault plane solution: NP1.0, 231.00000, 829.00000, 1.101.00000

JMA 03 19:46:24.0, 2.4, 22.0, 121.1E, 0.1, h25km, 3km, MV3.4/13, TAIWAN REGION

TAP 03 19:46:24.4, 24.21N, 120.83E, h27km, ML4.2, B
ISC 03 19:46:24.0, 8.2, 24.23N, 120.82E, 0.01, h31km, 4km, n200, 0.976/332, 29C-34D, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TWQ1, TWQ1, TWQ1, WHP, etc.



3d 20h

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, SNR, and other parameters. Includes stations like PMG Port Moresby, CMSA Cobar Meteorol, QLP Quilpie, etc.

2020 OCT

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, SNR, and other parameters. Includes stations like NACB Ninganchiao, SSSL Suanglum, TPUB Ta-pu, etc.

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Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, SNR, and other parameters. Includes stations like CLL Collm, STEB Steborrice, DPC Dobruska-Polom, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, and various station codes (e.g., EGRO, PVAQ, PBDV).

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, and various station codes (e.g., EMPR, ECPR, SJG, HUMP).

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, and various station codes (e.g., ESPR, EMIN, PBEJ, PLOUS).







3d 23h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, NWAOW Narogin (SRO), and various IPOC Station P entries.

SJA 03 23:17:05.70.2, 21.39S:69.88W, h49km, 5km, ML3.5, MW3.4
GUC 03 23:17:07.60.7, 21.39S:69.80W, h44km, 2km, ML3.4, Presumed earthquake

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like PB02 IPOC Station P, PB07 IPOC Station P, and various other seismic stations.

2020 OCT

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like PSGCX Chuzmiza, G001 Chuzmiza, and various IPOC Station P entries.

IDC 03 23:24:45.42.3, 4.38S:69.60E, h0km, mb3.8/8, mbmp3.9, ML4.1/1, MS3.2/13, Error ellipse: s-maj=61.4km s-min=26.3km az=64.0
NEIC 03 23:24:50.51.7, 4.14S:0.06W, 70.3E.0.1, h10km, 1km, mb4.4/14, Error ellipse: s-maj=18.4km s-min=10.5km az=259.0

ISC 03 23:24:49.0.6, 4.12S:0.06W, 70.35E, h10km, n42, a157/32, mb4.2/15, MS3.2/12, Chagos Archipelago

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like DGAR Diego Garcia, H08S1 Diego Garcia H, and various other seismic stations.

KURBB Kurchatov Arra 60.40 329 P 23 36 13.6 0.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like WEMD Westmorland, IMPE Imperial, and various other seismic stations.

Table with columns: Code, Station Name, Az, El, Pn, Time, Res. Includes stations like CLC China Lake, GWY Greenwater Val, MPMC Manual Prospe, etc.

NOU 03 23:37.10.3, 38.85S: 175.30E, h277km, MLv3.7/15, North Island, New Zealand
WEL 03 23:37.13.2, 0.8, 39.9S: 9.17, 5E, h251km, 6km, M2.6/18, ML2.2/7, MLv2.6/18, Error ellipse: s-maj=12.6km

ISC 03 23:37.08.1-1.9, 38.98S-0.06, 175.24E: 0.06, h288km, 10km, n90, c157/107, North Island

Main table of station data with columns: Code, Station Name, Az, El, Pn, Time, Res. Includes stations like HIZ Hauri, TWVZ Taurewa, TLZ Tolley Road, etc.

Table with columns: Code, Station Name, Az, El, Pn, Time, Res. Includes stations like OGWZ Otaki Gorge, MHGW Mahia Peninsula, KIWG Kapiti Island, etc.

IDC 04 00:36:46.5, 0.8, 8.06S: 120.53E, h0km, mb3.8/9, mtbpm3.8/13, ML3.9/4, MS2.9/1, Error ellipse: s-maj=36.3km s-min=9.7km az=60.0

DJA 04 00:36:49.8, 0.2, 8.2S: 12.0E, h10km, M4.0/16, MLv4.0/16

ISC 04 00:36:50.7, 0.7, 8.18S: 120.52E: 0.05, h33km, n27, c261/33, mb3.9/8, Flores region

Table with columns: Code, Station Name, Az, El, Pn, Time, Res. Includes stations like EDFI Ende, WSI Waingapu, MMRI Maumere, etc.

IDC 04 00:42:14.8, 1.6, 4.90S: 140.00E, h0km, mb4.1/5, mtbpm3.9/9, ML3.7/3, MS2.5/1, Error ellipse: s-maj=49.8km s-min=15.1km az=108.0

ISC 04 00:42:14.0, 1.2, 5.25S: 1.1, 140.0E: 0.2, h10km, n9, c45/13, mb4.0/5, Irian Jaya

Table with columns: Code, Station Name, Az, El, Pn, Time, Res. Includes stations like JAY Jayapura, JAY Jay, JAY Jay, etc.

0.3nm, 0.2s, baz=105, slow=4.7, SNR=4.9
0.3nm, 0.2s
BVAR Borovoye Array 82.04 325 P P 00 54 36.4 +2.0

AEIC 04 00:43:08.1, 0.9, 51.5N: 0.1, 178.29W: 0.06, h65km, 7km, Error ellipse: s-maj=21.5km s-min=4.1km az=169.0

NEIC 04 00:43:08.5, 0.8, 51.5N: 0.2, 178.30W: 0.07, h65km, 12km, ML3.8/10, ML3.4(AEIC), Andrenor Islands: s-maj=26.8km s-min=3.3km az=167.0

Table with columns: Code, Station Name, Az, El, Pn, Time, Res. Includes stations like GAKI Gareloi-Kavalig, TAFI Tanaga Flats, TASE Tanaga Southea, etc.

IDC 04 00:45:45.7, 1.9, 15.12S: 178.55W, h413km, 17km, mb3.0/6, mtbpm3.8/7, Error ellipse: s-maj=29.1km s-min=22.4km az=136.0

ISC 04 00:45:43.7, 0.9, 15.1S: 0.2, 178.30W: 0.2, h390km, n8, c1862/9, mb3.3/7, Fiji Islands region

Table with columns: Code, Station Name, Az, El, Pn, Time, Res. Includes stations like MSVF Nonsavu, MSVF Nonsavu, WRA Warrungana Arr, etc.

IDC 04 01:11:00.8, 2.0, 20.61S: 179.02W, h588km, 23km, mb2.6/5, mtbpm3.5/6, Error ellipse: s-maj=30.5km s-min=25.5km az=152.0

ISC 04 01:11:02.2, 1.1, 20.4S: 0.2, 179.2W: 0.2, h600km, n8, c2529/7, mb3.0/5, Fiji Islands region

Table with columns: Code, Station Name, Az, El, Pn, Time, Res. Includes stations like MSVF Nonsavu, ASAR Alice Springs, WRA Warrungana Arr, etc.

WEL 04 02:17:49.0, 1.6, 33.5S: 27.17W: 3.9, h319km, 18km, mb4.0/1, MLv3.9/3, Mw(mb)3.1/1, Error ellipse: s-maj=61.4km s-min=12.9km az=123.8, confirmed, South of Kermadec Islands

Table with columns: Code, Station Name, Az, El, Pn, Time, Res. Includes stations like MXZ Matakaao Point, WNGZ Waioamotani S, PKGZ Pakihiora, etc.

4d 2h

Table with columns: MTHZ, NNZ, THZ, MTHZ, NNZ, THZ, THZ. Values include station names and coordinates.

IDC 04 02:18:50.9-0.5, 15:17S:172:86W, h0km, mb4.3/16, s-maj=15.6km s-min=14.1km az=127.0

NEIC 04 02:18:53.6-2.4, 15:00S:0:06:172:3W, h10km, 1km, mb4.9/27, Error ellipse: s-maj=21.9km s-min=9.4km az=99.0

ISC 04 02:18:52.0-0.4, 15:16S:0:05:172:24W, h0.07, h10km, n158, s150/116, mb4.8/38, MS4.1/40, 5C-5D, Samoa Islands region

Main table for station data on the left side, including columns for Code, Station Name, Az, Phase, ID, Time, Res, and ISC.

2020 OCT

Main table for station data in the middle, including columns for Code, Station Name, Az, Phase, ID, Time, Res, and ISC.

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Table with station data on the right side, including columns for Code, Station Name, Az, Phase, ID, Time, Res, and ISC.

DJA 04 02:35:18.6-0.4, 4.5S:12:19E, h10km, M3.8/10, MLV3.8/10

ISC 04 02:35:42.7-2.3, 3:57S:128:94E, h63km, 28km, mb3.5/3, mbmp3.9/7, ML3.7/4, MS3.7/1, Error ellipse: s-maj=28.8km s-min=15.4km az=112.0

ISC 04 02:35:41.4-0.9, 3:62S:0:07:128:91E, h0.08, h37km, n17, s195/114, Seram

Table with station data on the right side, including columns for Code, Station Name, Az, Phase, ID, Time, Res, and ISC.

IDC 04 02:36:02.8-2.5, 14:60S:167:40E, h154km, 21km, mb4.0/19, mbtmp4.4/21, MS2.9/1, Error ellipse: s-maj=18.0km s-min=12.1km az=87.0

NOU 04 02:36:03.0-1.5, 14:59S:0:06:167:4E, h136km, MLV5.3/7, Vanuatu Islands

NEIC 04 02:36:03.0-1.5, 14:59S:0:06:167:4E, h136km, 5km, mb4.4/26, Error ellipse: s-maj=16.2km s-min=4.4km az=61.0

ISC 04 02:36:04.0-0.4, 14:58S:0:06:167:35E, h107km, n89, s195/95, mb3.4/31, 23, Vanuatu Islands

Table with station data on the right side, including columns for Code, Station Name, Az, Phase, ID, Time, Res, and ISC.

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, ISC. Includes stations like SBA Scott Base, CASY Casey, PEAOB Petropavlovsk, etc.

AFAD 04 02:44:52.9, 35.35N, 27.05E, h22km, 2km, MW3.6
GII 04 02:44:53.7, 0.0, 34.995N, 0.001, 27.028E, 0.001, h0km,
MWS3.8, confirmE
IDC 04 02:44:55.1, 17.35N, 18.27E, h46km, 21km, mb3.5/5,
m1mp3.5/10, ML3.0/5, MS2.6/4, Error ellipse:
s-maj=26.9km s-min=15.4km az=170.0
ISK 04 02:44:55.4, 35.38N, 26.96E, h31km, ML3.5/20
ATH 04 02:44:57.2, 35.49N, 26.98E, h29km, 2km, ML3.4/26,
Latitude uncertainty: 1 km; Longitude uncertainty: 1 km
THE 04 02:44:57.6, 35.35N, 27.05E, h24km, 6km, M3.1/23,
MLh3.1/23
ISC 04 02:44:55.5, 1.0, 35.34N, 0.003, 27.10E, 0.03, h38km, 1km,
n192, s168/240, mb3.8/4, Dodecanese Islands

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, ISC. Includes stations like KARP Karpathos, ZKR Zakros, etc.

Main table with columns: SITA Siteia, Az, El, P, S, Res, Time, Res, ISC. Includes stations like SITA Siteia, AGNS Agios Nikolaos, Arkhangelos, etc.

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, ISC. Includes stations like AYDB, TNSA Tinos, DGB DGB, etc.











4d 3h

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Table of astronomical observations for the 4d 3h period. Columns include station name (e.g., ZAK, TLY, MAW), object name (e.g., Zakamensk, Talaya), magnitude (e.g., 83.26), and other parameters (e.g., 325 eP, P, 03 47 38.6 -0.1).

Table of astronomical observations for the 2020 OCT period. Columns include station name (e.g., PDAR, PMSA, ANMO), object name (e.g., Pinedale Array, Palmer Station), magnitude (e.g., 93.98), and other parameters (e.g., 47 P, P, 03 48 28.6 -1.8).

Table of astronomical observations for the 2020 OCT period. Columns include station name (e.g., SHA1, NEUR, OZAP), object name (e.g., Shidzhatmaz, Neytrino), magnitude (e.g., 122.79), and other parameters (e.g., 314d/PKIKP, PKIKP, 03 54 08.3 0.0).













4d 7h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like U38A Gravette, PLPT Palo Pinto, MK31 Makanchi Array, etc.

2020 OCT

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like KKAR Karatay Array, HFS Hagfors, ARSB Arslanbob, etc.

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Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like SHAI Shidzhatmaz, LANS Liptovska Anna, WRAC Vranov, etc.

comp=Z,3.0nm,0.8s,baz=92.1,slow=1.5,SNR=8.4
BOSA Boshof 150.91 312 PKPbc PKPbc 07 31 32.8 +0.3
BOSA Boshof 150.91 312 PKIKP PKIKP 07 31 33.1 +0.1

NOU 04 07:17:18.9,16:03S,167:86E,h15km,MLV4.4/11,
Vanuatu Islands,Vanuatu Islands
Code Station Name A° AZ° Phase ID Time Res
ISC h m s ISC

NEIC 04 07:19:15.8,1.9,53:05S,0:08,160:0E,0:2,h10km,1km,
mb4.4/15,Error ellipse: s-maj=22.4km s-min=6.0km

IDC 04 07:19:16.8,0.8,52:96S,159:44E,h0km,mb4.1/8,
mbz=301.0,
bz=143.1,ML3.9/1,ML3.9/34,Error ellipse:
s-maj=27.8km s-min=16.3km az=86.0
GCMT 04 07:19:18.0,0.2,52:97S,0:01,159:72E,0:02,h24km,1km,
MW5,1/124,Moment Tensor Solution, s70,C98;

ISC 04 07:19:16.7,0.6,52:97S,0:07,160:0E,0:1,h11km,n100,
c160/54,mb4.3/16,MS4.0/32,Macquarie Island region

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations and their coordinates for the Macquarie Island region.

Table with columns: PPT2, PPT2, PPT2, JAY, FLOI, TRAK, SNAI, SNAI, SNAI, VNA3, VNA2, VNA1, SJUI, KAPI, HO4S2, HO4S1, HO4S3, TAOE, DAV, GUMO, RPN, PLCA, HO3S2, HO3S1, HO3S3, HO3N1, HO3N2, HO3N3, HO3S2, HO3S1, HO3S3, JHJ, SUR, CMAR, PALK, JNU, MJAR, KRSR, CPUP, BRDH, MATP, ASAJ, USRK, ILAR, AKASG, SPITS. Lists seismic stations and their coordinates for the Pacific region.

SDD 04 07:36:21.7,2.3,18:76N,70:30W,h99km,1.3km,MD2.8,
ML2.4,MW2.7,Presumed earthquake
OSPL 04 07:36:22.1,1.0,18:89N,70:32W,h108km,7km,ML2.4,
Presumed earthquake
ISC 04 07:36:21.8,1.8,18:86N,0:06,70:30W,0:04,h91km,12km,
n19,c084/28,21C, Dominican Republic region

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations and their coordinates for the Dominican Republic region.

CNRM 04 07:55:37.1,36:56N,7:51W,h81km
MDD 04 07:55:39.0,4.0,36:49N,7:56W,h25km,mb\_Lg2.5/13,
Error ellipse: s-maj=3.6km s-min=2.6km az=30.0
SFS 04 07:55:40.8,36:56N,7:50W,h24km,ML2.6/13,ML2.6/13,
ML2.6/13
IGIL 04 07:55:40.7,36:49N,7:56W,h25km,ML1.5
INMG 04 07:55:41.7,1.8,36:61N,7:46W,h20km,ML1.8,Error
ellipse: s-maj=5.6km s-min=2.5km az=39.0

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations and their coordinates for the Atlantic region.







GT2A	comp=Z,460nm,15.6s	L	L						
GT2A	comp=Z,1µm,15.9s	L	L						
CD2	comp=Z,2µm,16.2s	P	P	09 25 17.8	-0.5				
CD2	Chengdu	42.56 265	S	09 31 35.4	-1.9				
CD2	comp=Z,40nm,1.0s		pmax						
CD2	comp=Z,170nm,7.0s		pmax						
CD2	comp=Z,640nm,17.8s		L						
CD2	comp=Z,700nm,21.6s		L						
CD2	comp=Z,760nm,19.0s		L						
ZALV	Zalesovo Beam	42.57 305	P	09 25 16.2	-1.8				
ZALV	comp=Z,5.6nm,0.4s,baz=58,slow=6.5,SNR=24		PcP	09 27 09.5	0.0				
ZALV	comp=Z,4.1nm,0.4s,baz=64,slow=3.4,SNR=13		LR	09 43 59.6					
DGZ	Jazzator, Alta	42.87 298	iP	09 25 20.5	-0.2				
DGZ	comp=Z,6.0nm,0.9s		pmax						
DLBC	Dease	43.02 48	LR	09 45 18.7					
DLBC	comp=Z,148nm,19.6s,baz=280,slow=39		LR						
GYA	Guiyang	43.65 257	iP	09 25 27.0	-0.2				
GYA	comp=Z,97nm,1.2s		pmax	09 31 45.2	-8.2				
GYA	comp=Z,340nm,19.8s		L						
GOMU	GeErMu	45.20 277	P	09 25 38.3	-1.5				
GOMU	comp=Z,16nm,0.6s		pmax	09 32 14.2	-2.2				
GOMU	comp=Z,500nm,13.7s		L						
GOMU	comp=Z,770nm,13.5s		L						
ZSN	Zaisan	45.43 296	eP	09 25 41.6	+0.6				
ZSN	Urumqi	45.43 296	eP	09 25 41.6	+0.6				
WMQ	Urumqi	45.54 290	eP	09 25 43.5	+1.4				
WMQ	comp=Z,18nm,0.7s		pmax	09 27 31.7	+2.6				
WMQ	comp=Z,470nm,17.9s		L						
WMQ	comp=Z,450nm,22.3s		L						
WMQ	comp=Z,210nm,24.1s		L						
BBB	Bella Bella	46.63 55	LR	09 43 54.9					
PZH	PanZhiHua	46.80 262	P	09 25 53.2	+1.0				
PZH	comp=Z,30nm,0.7s		pmax						
QIZ	Qiongzong	47.07 247	P	09 25 54.3	+0.1				
QIZ	comp=Z,34nm,1.2s		pmax	09 32 44.8	+2.1				
QIZ	comp=Z,170nm,20.0s		L						
QIZ	comp=Z,430nm,19.7s		L						
QIZ	comp=Z,330nm,17.2s		L						
QIZ	Qiongzong	47.07 247	P	09 25 54.6	+0.4				
KMI2	Kumming	47.09 259	iP	09 25 54.8	+0.3				
KMI2	comp=Z,26nm,1.1s		pmax						
KMI2	comp=Z,200nm,5.0s		pmax						
MK31	Makanchi Array	47.28 297	eP	09 25 54.6	-1.0				
MKAR	Makanchi Array	47.28 297	P	09 25 54.4	-1.2				
MKAR	comp=Z,10nm,0.8s,baz=64,slow=8.2,SNR=46		PcP	09 27 25.5	-0.4				
MKAR	comp=Z,3.1nm,0.8s,baz=61,slow=4.7,SNR=2.0		LR	09 47 18.3					
MKAR	comp=Z,1µm,18.2s,baz=48,slow=38		LR						
MKAR	Makanchi Array	47.28 297	P	09 25 54.8	-0.7				
KURK	Kurchatov	47.41 303	P	09 25 55.1	-1.4				
KURK	Kurchatov	47.41 303	eP	09 25 54.7	-1.8				
KURK	comp=Z,33nm,1.3s		pmax						
KURK	comp=Z,604nm,20.0s		MLR						
KURK	Kurchatov	47.41 303	P	09 25 55.6	-0.9				
KURK	comp=Z,16nm,0.7s		Iamb	09 25 58.7					
KURK	Kurchatov	47.41 303	eP	09 25 54.7	-1.8				
KURK	Kurchatov	47.41 303	P	09 25 55.0	-1.4				
KURK	comp=Z,30nm,1.0s		Iamb	09 25 58.7					
KURK	Kurchatov	47.41 303	P	09 25 54.9	-1.6				
KURK	Alert	47.42 6	P	09 25 55.7	-0.4				
ALE	MAKZ	47.46 297	P	09 25 56.0	-1.0				
KURBB	Kurchatov Arra	47.51 303	P	09 25 55.5	-1.7				
KURBB	comp=Z,9.7nm,0.6s,baz=66,slow=8.6,SNR=44		PcP	09 27 26.8	+0.1				
KURBB	comp=Z,5.4nm,0.8s,baz=66,slow=3.3,SNR=9.9		LR	09 46 42.3					
RES	comp=Z,617nm,21.9s,baz=352,slow=38		LR						
RES	comp=Z,9.7nm,0.6s		LR						
RES	Resolute Bay	48.29 20	P	09 26 02.8	-0.1				
RES	comp=Z,7.1nm,0.8s,baz=292,slow=11,SNR=4.6		LR	09 47 51.0					
YKA	Yellowknife Ar	48.29 38	P	09 26 03.7	+0.6				
YKA	comp=Z,4.6nm,0.8s,baz=297,slow=7.5,SNR=6.9		LR	09 47 38.9					
DAV	Davao City (W)	48.68 221	LR	09 46 13.2					
SLVN	Son La	49.06 255	P	09 26 09.8	+0.2				
TNCH	TengChong	49.92 263	P	09 26 17.0	+0.7				
TNCH	comp=Z,73nm,1.2s		sP	09 26 38.2	+3.0				
TDK	Taldyqorghon	50.53 296	eP	09 26 20.6	+0.1				
TDK	comp=Z,9.0nm,0.7s		pmax						
BVK	Taldyqorghon	50.53 296	eP	09 26 20.6	+0.1				
BVK	comp=Z,9.0nm,0.7s		pmax						
BORK	Borovoye Array	50.63 309	P	09 26 19.8	-1.3				
BORK	comp=Z,10nm,0.4s,baz=54,slow=7.2,SNR=35		PcP	09 27 37.6	-0.4				
BORK	comp=Z,10nm,0.4s,baz=56,slow=3.6,SNR=6.5		PcP	09 26 20.6	-0.7				
BORK	comp=Z,16nm,1.3s		MLR						
BORK	comp=Z,660nm,21.0s		MLR						
BORK	Borovoye	50.66 309	P	09 26 20.2	-1.1				
BORK	comp=Z,8.2nm,0.5s		Iamb	09 26 20.5					
SPITS	Spitsbergen A	50.73 350	P	09 26 19.2	-2.3				
SPITS	comp=Z,3.9nm,0.7s,baz=39,slow=7.7,SNR=1.4		PcP	09 27 37.7	-0.2				
SPITS	comp=Z,2.9nm,0.5s,baz=35,slow=4.5,SNR=3.7		LR	09 50 00.7					
SHLS	Shalkode	50.93 294	eP	09 26 21.8	-1.9				
SHLS	Shalkode	50.93 294	eP	09 26 21.8	-1.9				
KPKS	Kokpek	51.23 295	eP	09 26 25.9	+0.1				
KPKS	Kokpek	51.23 295	eP	09 26 26.0	+0.1				
SATY	Saty	51.62 294	eP	09 26 28.7	-0.1				
SATY	Saty	51.62 294	eP	09 26 28.7	-0.1				
LSA	Lhasa	51.65 273	P	09 26 27.5	-2.1				
LSA	comp=Z,25nm,0.9s		pmax						
LSA	Lhasa	51.65 273	P	09 26 30.1	+0.6				
WUS	Wushi	52.21 292	P	09 26 32.9	-0.3				

KUU	Kurty	52.38 296	eP	09 26 34.3	0.0				
KUU	Kurty	52.38 296	eP	09 26 34.4	0.0				
MDOK	Medeo	52.38 295	eP	09 26 35.0	+0.5				
MDOK	Medeo	52.38 295	eP	09 26 35.0	+0.5				
AAA	Alma-Ata	52.43 295	eP	09 26 35.0	+0.3				
AAA	Alma-Ata	52.43 295	eP	09 26 35.1	+0.3				
AAA	Alma-Ata	52.43 295	eP	09 26 35.0	+0.3				
TNSS	Tian-Shan	52.51 295	eP	09 26 35.6	-0.1				
TNSS	Tian-Shan	52.51 295	eP	09 26 35.7	-0.1				
JAY	Jayapura	52.79 198	LR	09 46 13.7					
NEEM	North Greenlan	52.82 7	iP	09 26 36.5	-1.0				
NEEM	comp=Z,7.3nm,21.6s,baz=93,slow=33		Iamb	09 26 38.2					
KDJ	Kajisy	52.90 294	P	09 26 38.0	-0.4				
KDJ	comp=Z,19nm,0.7s		Iamb						
SVE	Sverdlovsk	53.25 317	eP	09 26 39.5	-1.0				
SVE	comp=Z,12nm,0.9s		pmax						
MYLDM	Lahad Datu	53.62 228	P	09 26 45.5	+1.8				
MYLDM	Lahad Datu	53.62 228	P	09 26 45.4	+1.8				
MYLDM	Lahad Datu	53.62 228	P	09 26 44.7	+1.1				
MYLDM	Lahad Datu	53.62 228	P	09 26 44.8	+1.1				
SGDS	Sogindiy	53.64 297	eP	09 26 43.8	+0.1				
SGDS	Sogindiy	53.64 297	eP	09 26 43.8	+0.1				
SAI	AK-SAYKrygzyz	54.02 293	P	09 26 47.0	+0.2				
SAI	comp=Z,84nm,19.4s,baz=50,slow=36		PcP						
MNI	Manado	54.06 219	P	09 26 46.5	-0.4				
CHTO	Chiang Mai	54.07 257	P	09 26 48.2	+1.2				
CHTO	Chiang Mai	54.07 257	P	09 26 48.1	+1.2				
CHTO	Chiang Mai	54.07 257	P	09 26 48.0	+1.0				
CHTO	comp=Z,145nm,1.1s		pmax						
CHTO	Chiang Mai	54.07 257	P	09 26 47.4	+0.4				
CHTO	Chiang Mai	54.07 257	P	09 26 47.2	+0.2				
CHTO	Chiang Mai	54.07 257	P	09 26 47.9	+0.9				
CHTO	comp=Z,130nm,1.1s		LR	09 51 38.1					
CHTO	Chiang Mai	54.07 257	P	09 26 47.3	-0.6				
AAK	Ala-Archa	54.20 296	eP	09 26 46.5	-1.4				
AAK	Ala-Archa	54.20 296	eP	09 26 46.5	-1.4				
AAK	Ala-Archa	54.20 296	eP	09 26 46.5	-1.4				
AAK	comp=Z,12nm,1.7s		pmax						
AAK	comp=Z,708nm,18.0s		MLR						
AAK	Ala-Archa	54.20 296	P	09 26 46.9	-1.1				
AAK	Ala-Archa	54.20 296	eP	09 26 46.6	-1.4				
AAK	Ala-Archa	54.20 296	eP	09 26 47.5	-0.5				
CM31	Chiang Mai Arr	54.33 257	P	09 26 50.1	+1.2				
CMAR	Chiang Mai Arr	54.33 257	P	09 26 50.0	+1.1				
CMAR	comp=Z,50nm,0.9s,baz=30,slow=7.4,SNR=178		PcP	09 27 52.8	+0.4				
CMAR	comp=Z,8.4nm,1.0s,baz=31,slow=4.6,SNR=5.1		LR	09 51 14.7					
CMAR	comp=Z,361nm,19.4s,baz=50,slow=37		P	09 26 50.2	+1.3				
CMAR	comp=Z,50nm,0.9s		pmax						
DAG	Danmarks Havn	54.52 358	iP	09 26 47.9	-1.6				
DAG	comp=Z,4.3nm,0.7s		Iamb	09 26 49.9					
ARTI	Arti	54.52 317	LR	09 52 14.4					
ARTI	Arti	54.52 317	LR	09 26 48.2	-1.6				
ARTI	Arti	54.52 317	iP	09 27 06.7	+3.6				
ARTI	Arti	54.52 317	iP	09 27 52.2	-1.6				
ARTI	Arti	54.52 317	iP	09 28 50.8					
ARTI	Arti	54.52 317	iP	09 34 21.5	-3.5				
ARTI	Arti	54.52 317	iP	09 38 00.5	+6.4				
ARTI	comp=Z,34nm,1.1s		SS						
ARTI	comp=Z,374nm,20.0s		SS						
NEW	Newport	54.68 55	P	09 26 52.0	+0.9				
NEW	comp=Z,6.2nm,1.5s		pP	09 27 03.8	-0.6				
KULLO	Kullorsuaq	54.86 10	iP	09 26 51.4	-0.6				
KULLO	comp=Z,27nm,1.0s		Iamb	09 26 53.9					





Table with columns: Name, RA, Dec, Mag, Type, and other details. Includes entries like AUMC, GUMG, SBA, VVWA, etc.

Table with columns: Name, RA, Dec, Mag, Type, and other details. Includes entries like ENH, ZAIG, HLID, MENT, etc.

Table with columns: Name, RA, Dec, Mag, Type, and other details. Includes entries like HERR, RONA, PLVB, BAND, etc.

4d 9h

Table of station data for the 4d 9h section, including columns for station name, coordinates, and various parameters like elevation and signal strength.

2020 OCT

Table of station data for the 2020 OCT section, including columns for station name, coordinates, and various parameters.

WEL 04:09:36.317.1.3.34'S.25.179'E.3.4.h244km.4.3km M3.75,mb4.15,ML3.6710,MLV3.85,MW(mb)3.2/3,Error ellipse: s-maj=50.7km s-min=21.4km az=123.1, confirmed, South of Kermadec Islands

Table of station data for the 2020 OCT section, including columns for station name, coordinates, and various parameters.

IDC 04:09:40.74.4.4.11.72Sx166.23E, h65km, 33km, mb4.0/0.9, mbmp4.3/11, ML4.2, MS3.2/2, Error ellipse: s-maj=37.8km s-min=18.7km az=61.0, NEIC 04:09:40.49.9.1.9.11.81S.0.1x166.2E.0.1, h77km, 10km, mb4.3/10, Error ellipse: s-maj=23.7km s-min=13.3km az=56.0

ISC 04:09:40.45.8.0.8.116S.0.1x166.4E.0.1, h59km, n36, f132/31, mb4.3/13, Santa Cruz Islands

Table of station data for the 2020 OCT section, including columns for station name, coordinates, and various parameters.

218

Table of station data for the 218 section, including columns for station name, coordinates, and various parameters.

NOU 04:09:50.48.7.30.50Sx177.30W, h238km, mb4.1/11, Kermadec Islands, New Zealand IDC 04:09:50.52.0.0.5.29.54Sx178.69W, h222km, 5km, mb3.9, mbmp4.6/11, Error ellipse: s-maj=18.5km s-min=14.4km az=49.0, NEIC 04:09:50.53.3.1.0.29.55S.0.2x178.69W.0.2, h230km, 7km, mb4.4/14, Error ellipse: s-maj=32.0km s-min=20.1km

ISC 04:09:50.51.0.0.5.29.93S.0.06x178.94W.0.09, h200km, n70, z50/04, mb4.4/18.3C, Kermadec Islands

Table of station data for the 218 section, including columns for station name, coordinates, and various parameters.













Table with columns: Code, Station Name, Az, Az2, Phase, ID, ISC, Time, Res, ISC. Includes stations like Sinabang, Aceh, Meulaboh, Aceh, Gunungsitoli, etc.

ISU 04 14:12:03.40:58N:73:11E, h14km
KRNKT 04 14:12:04.7:0.1, 40:61N:73:11E, h16km, mb3.7
ISC 04 14:12:05.3: 1.2, 40:59N:0.03:73.08E:0.03, h3km, 10km,

Table with columns: Code, Station Name, Az, Az2, Phase, ID, ISC, Time, Res, ISC. Includes stations like Osh, Tashata, Sufi-Kurgan, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, ISC, Time, Res, ISC. Includes stations like KK31, KDJ, KDJ, KDJ, etc.

NEIC 04 14:26:06.5: 1.3, 23:71S:0:07:179:7W:0.2, h537km, 9km, mb4.4/18, Error ellipse: s-maj=20.1km s-min=9.3km az=98.0
IDC 04 14:26:07.3: 1.7, 23:51S: 179:76W, h554km, 21km, mb3.3/6, mbmp4.4/10, Error ellipse: s-maj=20.0km s-min=18.2km az=31.0
NOU 04 14:26:08.2: 24:21S: 179:92E, h416km, MLV4.6/13, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az2, Phase, ID, ISC, Time, Res, ISC. Includes stations like RAO, MSVF, MSVF, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, ISC, Time, Res, ISC. Includes stations like WR8, WR8, WR8, etc.

















Table with columns: MTN, Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Error Error, Elevation Error Error, Azimuth Error Error Error, Elevation Error Error Error. Includes stations like Manton Dam, Aizawl, ZiRO, Batout, Kakadu, etc.

Table with columns: BOK, Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Error Error, Elevation Error Error, Azimuth Error Error Error, Elevation Error Error Error. Includes stations like Everest, Marble Bar, Warramunga Arr, etc.

Table with columns: MTSU, Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Error Error, Elevation Error Error, Azimuth Error Error Error, Elevation Error Error Error. Includes stations like Mount Surprise, Alice Springs, etc.

4d 18h

Table with columns for station name, frequency, power, and signal quality. Includes stations like SMLA, BLDU, ALCI, DHARMASHALA, etc.

2020 OCT

Table with columns for station name, frequency, power, and signal quality. Includes stations like TDK, MDOK, MDOK, TNSN, etc.

232

Table with columns for station name, frequency, power, and signal quality. Includes stations like KURK, KURK, KURK, KURK, etc.







2020 OCT

4up 19h

Table with columns: CPUP, Villa Florida, 167.24 188 PKP, PKPdf, 18 36 43.8 -1.1, comp=Z, 1.8nm, 0.8s, baz=288, slow=3.2, SNR=4.1

IDC 04 18:26:50.0, 5.7, 4.64S, 126.47E, h380km, 72km, mb3.1/2, mbtmp4.0/5, Error ellipse: s-maj=115.7km

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC

IDC 04 18:27:55.7, 1.5, 5.33S, 153.51E, h57km, 12km, mb4.0/15, mbtmp4.3/17, MS4.3/2, Error ellipse: s-maj=16.1km

NEIC 04 18:27:56.8, 1.8, 5.33S, 0.08x153.5E, 0.1, h70km, 9km, mb4.4/18, Error ellipse: s-maj=18.8km s-min=5.0km az=53.0

ISC 04 18:27:54.0, 0.5, 5.33S, 0.06x153.49E, 0.07, h43km, n45, r=146/47, mb4.3/21, New Ireland region

Main table of seismic events with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC

WEL 04 18:58:45.9, 1.2, 3.33S, 6.177W, 1.8, h12km, M4.9/14, mB5.1/8, ML5.0/17, MLV5.4/14, Mw(MB)4.5/8, Error ellipse: s-maj=23.7km s-min=5.3km az=102.4, confirmed

IDC 04 18:58:49.6, 0.9, 3.33S, 0158.07W, h0km, mb4.2/5, mbtmp4.4/9, ML4.9/4, Error ellipse: s-maj=30.1km s-min=17.4km az=116.0

NOU 04 18:59:07.1, 34.09S, 178.57W, h115km, mb4.5/14, South of Kermadec Islands

ISC 04 18:58:53.3, 0.7, 3.33S, 0.06x178.1W, 0.1, h34km, n56, z=62/54, mb4.0/4, South of Kermadec Islands

Main table of seismic events with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC

Trinidad, Felt widely in Trinidad, MMI IV, V and VI. GFZ 04 19:12:16.1, 0.1, 11'N, 2.2x6'2W, h58km, M5.3/48, mb4.9/48

FUNV 04 19:12:16.8, 1.1, 11'2N, 61.51W, h21km, MW4.9, Presumed earthquake

VAO 04 19:12:19.9, 0.5, 10.39N, 61.40W, h49km, 2km, mb5.0, Presumed earthquake

ISC 04 19:12:15.2, 0.3, 10.99N, 0.03x61.57W, 0.03, h58km, 2km, h58km, pp-P, n53.4, r1923/519, mb4.8/21, MS3.6/21, 14C-4D, Trinidad

Main table of seismic events with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC



Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Uribia, Montagnes des, MDP, TAMC, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Y52A, BG3, GO01, PSCGX, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like ANMO Albuquerque, ANMO Albuquerque, etc.







Table with columns: STGB, EI Palmar, Qui, 1.14 93 eP, Pn, 21 54 37.8 -0.2, etc.

DJA 04 22:10:15.5:0.2, 1'S, 2'12.3'E, h10km, M4.4/28, mB5.5/3, mb4.8/5, MLv4.2/28, Mw(MB)4.9/3, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, A, AZ, Phase ID, Time Res, etc.

MOS 04 22:18:59.9:0.8, 42.35N:143.73E, h61km, mb4.2/1, Error ellipse: s-maj=17.7km s-min=7.8km az=69.9

SKHL 04 22:19:00.1:0.2, 42.20N:143.80E, h66km, 3km, mb5.2/4 NIED 04 22:19:01.2, 42.41N:143.69E, h57km, MW3.9, Moment Tensor Solution, s3 Moment tensor: Scale 10^14Nm

JMA 04 22:19:01.2:0.1, 42.41N:143.74E, h63km, 19km, mb3.5/10, mbtmp3.8/12, MS2.9/11, Error ellipse: s-maj=23.0km s-min=14.0km az=87.0

NEIC 04 22:19:02.0:1.4, 42.43N:143.83E, h60km, 5km, mb4.5/13, Error ellipse: s-maj=13.7km s-min=7.5km az=107.0

ISC 04 22:19:01.1:0.7, 42.39N:143.78E, h104km, 6km, n93, s103/95, mb4.1/18, MS3.1/5, 1C-10D, Hokkaido region

Main table for station data on page 241, including columns for Code, Station Name, A, AZ, Phase ID, Time Res, etc.

Main table for station data on page 242, including columns for Code, Station Name, A, AZ, Phase ID, Time Res, etc.

Main table for station data on page 243, including columns for Code, Station Name, A, AZ, Phase ID, Time Res, etc.

Table with columns for station name, time, and status. Includes stations like Iera Moni Meta, Palaiochora Ch, Karpathos, Thira Island, etc.

Table with columns for station name, time, and status. Includes stations like Zfri, Ghor Haditha, Mount Harif, etc.

Table with columns for station name, time, and status. Includes stations like WRA, WBO, MSVF, FITZ, MAW, etc.

IDC 04 22:25:47.1; 2.7. 52°53'S; 161°33'E, h0km, mb4.0/9, mbmp4.0/9, MS3.7/14, Error ellipse: s-maj=104.7km s-min=17.3km az=70.0

GCMT 04 22:25:53.0; 0.3, 52°95'S; 0°02'159.80"E; 0'03, h26km, 1km, MW4.9/86, Moment Tensor Solution. s22,c22: s86,c118; Duration: 0 Moment tensor: Scale 1.019Nm; Mr=0.38±.18; Mw=2.61±.12; Mbb=2.22±.11; Mro=0.58±.22; Mbo=0.4±.04; Mbr=1.10±.30; Best double couple: Mo=2.86300x1016 Np1=218.00000°, p67.00000°, A=167.00000°. NP2: 0±123.00000°, s78.00000°, A=24.00000°. Principal axes: T=2.8060, Plg6.0000°, Azm172.0000°; N=0.1230, Plg64.0000°, Azm278.0000°, P=-2.9200, Plg25.0000°, Azm79.0000°; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NEIC 04 22:25:54.0; 1.4, 53°27'S; 0°09'158.7E; 0.4, h10km, 1km, mb4.4/11 Error ellipse: s-maj=39.8km s-min=9.9km az=71.0

ISC 04 22:25:53.8; 1.5, 53°33'S; 0°1x158.6E; 0.4, h10km, n49, c1902/28, mb4.3/15, MS3.8/12, Macquarie Island region

Table with columns for station name, time, and status. Includes stations like MCQ, Rata Peaks, TASmania, etc.

IDC 04 22:33:23.4; 0.8, 46°07'N; 53°39'E, h0km, mb4.0/13, mbmp4.0/25, ML3.3, 9/11, MS2.7/5, Error ellipse: s-maj=16.2km s-min=8.3km az=150.0, NEIC 04 22:33:24.9; 1.6, 46°24'N; 0°07'53.4E; 0.07, h10km, 1km, mb4.1/28, Error ellipse: s-maj=11.4km s-min=7.7km az=0.0

MOS 04 22:33:25.3; 1.7, 46°17'N; 53°37'E, h35km, mb4.6/4, Error ellipse: s-maj=6.4km s-min=5.6km az=13.6, NINC 04 22:33:29.6; 4.9, 46°04'N; 53°95'E, h24km, 29km, mb4.0, mp3.5, Error ellipse: s-maj=37.7km s-min=22.5km az=82.0

ISC 04 22:33:27.0; 4.0, 46°22'N; 0°05'53.41E; 0.04, h35km, n163, c2922/177, mb4.0/17, MS2.6/3, 22C-8B, Western

Table with columns for station name, time, and status. Includes stations like AKTO, AB31, BELG, etc.





NEIC 04 22:49:15.7,1.4,22.2AS:0.1x176.9W:0.2,h165km,6km, mb4.1/7, Error ellipse: s-maj=21.8km s-min=15.0km az=68.0

IDC 04 22:49:17.9,3.4,22.0AS:176.93W,h200km,29km,mb3.6/7, mbtmp4.2/8, Error ellipse: s-maj=26.3km s-min=19.9km az=75.0

ISC 04 22:49:16.6,1.1,22.79S:0.07x177.4W:0.2,h150km,n61, c266/58,mb4.1/9,South of Fiji Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists various seismic stations and their parameters.

IDC 04 23:02:17.7,2.1,19.16S:174.28W,h0km,mb3.6/3, mbtmp3.6/3, Error ellipse: s-maj=65.1km s-min=48.8km az=12.0, Tonga Islands

ASAR Alice Springs 48.24 255 P P 23 11 00.8 -0.0

WRA Warramunga Arr 48.27 260 P 23 11 00.8 -0.2

QSPA South Pole Qui 70.90 180 P 23 13 36.7 +0.1

H03S2 Juan Fernandez 83.83 124 T 00 47 14.6

H03S1 Juan Fernandez 83.84 124 T 00 47 15.6

H03S3 Juan Fernandez 83.85 124 T 00 47 14.4

ARCES ARCES Array B 128.19 351 PKP PKPdf 23 21 25.0 -0.4

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like NEM2, NMR, JRA, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like ASAJ, H11N2, H11N1, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like H11N3, SONM, H11S1, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like H11S2, ILAR, MKAR, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like KBZ, AKASG, KRLC, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like ASAR, WRA, QSPA, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like H03S2, H03S1, H03S3, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like ARCES, DOL, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like CHNA, PSIA, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like SDPT, PS4A, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like CNBA, CHNA, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like PNTA, S12K, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like R16K, R17L, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like O14K, O14K, O14K, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like O17K, ANCK, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like KADK, KADK, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like KADK, KADK, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like L19K, L19K, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like L19K, L19K, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like L19K, L19K, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like L19K, L19K, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like L19K, L19K, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like L19K, L19K, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like L19K, L19K, etc.

IDC 04 23:01:42.3,4.0,45.16S:148.93E,h0km,mb3.8/5, mbtmp3.7/6,ML3.2/1,MS2.9/1, Error ellipse: s-maj=108.8km s-min=24.8km az=152.0

SKHL 04 23:01:43.7,0.0,44.80N:149.30E,h42km,5km,mb4.5/5, JMA 04 23:01:45.2,0.6,45.1N:149.3E,h101km,MV3.5/15,SE OFF ETOROFU

ISC 04 23:01:43.6,3.1,44.81N:0.008:149.3E:0.2,h40km,25km, n28,c078/25,mb3.9/5,Kuril Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like REI, REI, etc.

IDC 04 23:19:01.7,0.8,54.50N:161.44W,h0km,mb4.2/4, mbtmp4.2/8,ML3.9/4,MS3.6/2, Error ellipse: s-maj=20.7km s-min=11.2km az=176.0

NEIC 04 23:19:02.1,1.3,54.31N:161.36W:0.08,h6km,4km, mb4.4/22,ML4.3/30,ML4.0(AEIC), Error ellipse: s-maj=7.5km s-min=5.4km az=62.0

AEIC 04 23:19:01.0,1.3,54.30N:161.34W:0.08,h5km,4km, Error ellipse: s-maj=7.4km s-min=5.2km az=61.0

ISC 04 23:19:01.4,0.9,54.30N:161.33W:0.03,h5km,5km, n488,c089/484,mb4.4/127,MS3.5/20,Alaska Peninsula

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like DOL, DOL, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like R16K, R16K, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like L19K, L19K, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like L19K, L19K, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like L19K, L19K, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like L19K, L19K, etc.

Table with columns: ID, Name, Time, Date, Status, Location, etc. Includes entries like Mount Kennedy, Windy Craggy, Coldfoot, etc.

Table with columns: ID, Name, Time, Date, Status, Location, etc. Includes entries like Missoula, Beckworth, Forest Hills D, etc.

Table with columns: ID, Name, Time, Date, Status, Location, etc. Includes entries like Paradox Valley, Blythe, Blue Mesa, Par, etc.



SBA	comp=Z,15nm,0.9s	58.65 186	P	P	23 30 54.7 +3.4
SCOTT	comp=Z,17nm,0.8s	58.79 186	P	P	23 30 54.8 +2.4
VNDA	comp=Z,4.7nm,0.9s,baz=10,slow=6.8	58.79 186	LR	LR	23 30 54.8 +2.4
VNDA	comp=Z,152nm,18.8s,baz=11,slow=33	58.79 186	P	P	23 30 53.6 +1.3
VNDA	comp=Z,7.6nm,1.0s	58.79 186	IAMB	IAMB	23 30 55.3 +2.9
SOEI	comp=Z,9.5nm,1.3s	60.91 270	P	P	23 31 07.6 -0.4
SOEI	Soe	60.91 270	P	P	23 31 08.0 -0.1
SOEI	Soe	60.91 270	P	P	23 31 07.1 -0.9
SOEI	Soe	60.91 270	P	P	23 31 07.7 -0.3
BATI	comp=Z,242nm,0.9s	61.34 269	LR	LR	23 27 08.1
BATI	comp=Z,308nm,20.5s	61.34 269	LR	LR	23 27 08.1
TNTI	Ternate	61.65 282	P	P	23 31 12.1 -0.8
TNTI	Ternate	61.65 282	P	P	23 31 11.5 -1.4
TNTI	Ternate	61.65 282	P	P	23 31 11.8 -1.1
TNTI	comp=Z,1umcomp=Z,81nm,1.1s	61.65 282	P	P	23 31 12.1 -0.8
TNTI	Ternate	61.65 282	P	P	23 31 12.1 -0.8
SANI	comp=Z,80nm,1.1s	61.85 279	P	P	23 31 12.6 -1.7
SANI	Sanana	61.85 279	P	P	23 31 11.9 -2.4
SANI	Sanana	61.85 279	P	P	23 31 11.9 -2.4
SANI	comp=Z,631nmcomp=Z,59nm,1.1s	61.85 279	P	P	23 31 12.4 -1.9
SANI	Sanana	61.85 279	P	P	23 31 12.4 -1.9
KLBR	Kellerberrin	62.23 244	P	P	23 31 15.8 -0.8
KLBR	Kellerberrin	62.23 244	P	P	23 31 16.1 -0.6
KLBR	Kellerberrin	62.23 244	P	P	23 31 15.9 -0.8
KLBR	Kellerberrin	62.23 244	P	P	23 31 15.8 -0.8
KLBR	Kellerberrin	62.23 244	P	P	23 31 15.9 -0.8
KLBR	Kellerberrin	62.23 244	P	P	23 31 15.8 -0.8
MBWA	comp=Z,56nm,0.8s	62.25 256	P	P	23 31 26.2 +9.3
NWAO	Narrogin (SRO)	62.51 243	P	P	23 31 17.5 -0.9
NWAO	comp=Z,47nm,1.8s	62.51 243	LR	LR	23 31 17.5 -0.9
NWAO	Narrogin (SRO)	62.51 243	LR	LR	23 31 17.5 -0.9
NWAO	comp=Z,33nm,1.8s,baz=40,slow=35	62.51 243	LR	LR	23 31 17.5 -0.9
NWAO	Narrogin (SRO)	62.51 243	P	P	23 31 18.2 -0.2
NWAO	Narrogin (SRO)	62.51 243	P	P	23 31 20.0 -2.5
EDFI	Ende, Flores	63.63 270	P	P	23 31 23.7 -2.6
EDFI	comp=Z,668nmcomp=Z,72nm,1.0s	63.63 270	P	P	23 31 23.7 -2.6
BBSI	Bau Bau	63.85 274	P	P	23 31 25.6 -2.0
BBSI	comp=Z,42nm,1.4s	63.85 274	P	P	23 31 25.6 -2.0
KDI	Kendari	64.32 275	P	P	23 31 28.5 -2.2
KDI	comp=Z,29nm,1.2s	64.32 275	P	P	23 31 28.5 -2.2
WSI	Waingapu	64.67 269	P	P	23 31 31.2 -1.7
LWUI	Luwuk	65.21 278	P	P	23 31 36.4 -0.1
LWUI	Luwuk	65.21 278	P	P	23 31 35.5 -1.0
LWUI	Luwuk	65.21 278	P	P	23 31 35.7 -0.8
LWUI	comp=Z,3umcomp=Z,106nm,1.2s	65.21 278	P	P	23 31 36.3 -0.2
LWUI	Luwuk	65.21 278	P	P	23 31 36.3 -0.2
LWUI	comp=Z,106nm,1.2s	65.21 278	P	P	23 31 36.3 -0.2
LBF1	Labuhan Bajo	65.41 270	P	P	23 31 35.7 -2.1
BBSI	Bau Bau, Buton	65.59 272	P	P	23 31 36.6 -2.3
BBSI	Bau Bau	65.59 272	P	P	23 31 36.6 -2.3
GTOI	Gorontalo	65.61 280	P	P	23 31 38.7 -0.4
GTOI	comp=Z,187nmcomp=Z,181nm,1.3s	65.61 280	P	P	23 31 38.7 -0.4
BKSI	Bulukumba	66.20 273	P	P	23 31 40.9 -2.0
BKSI	comp=Z,16nm,0.9s	66.20 273	P	P	23 31 40.9 -2.0
CASY	Casey	66.26 205	P	P	23 31 42.7 +0.3
CASY	Casey	66.26 205	P	P	23 31 43.9 +1.5
CASY	comp=Z,28nm,1.6s	66.26 205	P	P	23 31 43.9 +1.5
APSI	Ampana	66.31 278	P	P	23 31 42.4 -1.1
APSI	comp=Z,59umcomp=Z,2umcomp=Z,78nm,1.1s	66.31 278	P	P	23 31 42.4 -1.1
KAPI	Kappang	66.65 273	LR	LR	00 00 08.2
KAPI	comp=Z,51nm,20.5s,baz=11,slow=36	66.65 273	LR	LR	00 00 08.2
KAPI	Kappang	66.65 273	P	P	23 31 45.5 -0.3
KAPI	Kappang	66.65 273	P	P	23 31 44.7 -1.1
KAPI	Kappang	66.65 273	P	P	23 31 44.2 -1.6
DBNI	Kabupaten Domp	66.89 269	P	P	23 31 45.1 -2.2
DBNI	comp=Z,83nm,0.7s	66.89 269	P	P	23 31 45.1 -2.2
SPSI	Sidrap Palu	66.99 274	P	P	23 31 45.7 -2.2
SPSI	comp=Z,32nm,1.1s	66.99 274	P	P	23 31 45.7 -2.2
PLAI	Plampang	67.29 269	P	P	23 31 48.7 -1.2
PLAI	Plampang	67.29 269	P	P	23 31 47.6 -2.2
PLAI	comp=Z,123nm,1.1s	67.29 269	P	P	23 31 48.7 -1.2
PLAI	Plampang	67.29 269	P	P	23 31 48.7 -1.2
TOL2	Tolitoli	67.86 280	P	P	23 31 52.2 -1.2
TOL2	Tolitoli	67.86 280	P	P	23 31 51.9 -1.5
TOL2	Tolitoli	67.86 280	P	P	23 31 52.2 -1.2
PCI	Palu	68.00 277	P	P	23 31 53.8 -0.5
QSPA	South Pole Qui	70.02 180	P	P	23 32 07.5 +1.3
QSPA	comp=Z,11nm,1.0s,baz=48,slow=1.8,SNR=24	70.02 180	LR	LR	00 00 05.6
QSPA	South Pole Qui	70.02 180	IAMB	IAMB	23 32 08.4 +2.2
QSPA	comp=Z,201nm,19.2s,baz=40,slow=34	70.02 180	IAMB	IAMB	23 32 08.4 +2.2
QSPA	South Pole Qui	70.02 180	IAMB	IAMB	23 32 09.2
JAGI	Jajag, Banyuw	70.81 268	P	P	23 32 09.0 -2.7
BBKI	Barajar Baru	71.78 273	P	P	23 32 17.0 -0.6
BBKI	comp=Z,33nm,1.4s	71.78 273	P	P	23 32 17.0 -0.6
INU	Inuyama	72.48 319	P	P	23 32 20.8 -0.5
INU	comp=Z,16nm,1.0s	72.48 319	IAMB	IAMB	23 32 20.8 -0.5
MJAR	Matsushiro Arr	72.56 321	P	P	23 32 21.8 +0.1
MJAR	comp=Z,16nm,1.0s,baz=115,slow=5.7,SNR=19	72.56 321	LR	LR	23 32 21.8 +0.1
MJAR	Matsushiro Arr	72.56 321	LR	LR	23 32 21.8 +0.1
MJAR	comp=Z,130nm,21.5s,baz=125,slow=32	72.56 321	LR	LR	23 32 21.8 +0.1
MJAR	Matsushiro Arr	72.56 321	IAMB	IAMB	23 32 21.5 -0.2
MJAR	Matsushiro Arr	72.56 321	IAMB	IAMB	23 32 23.4
MAJO	Matsushiro	72.56 321	P	P	23 32 22.0 +0.2
MAJO	Matsushiro	72.56 321	P	P	23 32 21.5 -0.3
MAJO	Matsushiro	72.56 321	IAMB	IAMB	23 32 23.3
MAJO	Matsushiro	72.56 321	P	P	23 32 22.0 +0.2
MJBS	Matsu-Tunnel	72.56 321	P	P	23 32 22.5 +0.7
MJBS	Matsu-Tunnel	72.56 321	IAMB	IAMB	23 32 25.0
SNJI	Sawahana-Nganju	73.27 268	P	P	23 32 25.9 -0.8
SNJI	comp=Z,23nm,1.0s	73.27 268	P	P	23 32 25.9 -0.8
SHEM	Shemyia, Ala	73.29 352	LR	LR	23 29 16.6
SHEM	comp=Z,62nm,1.8s	73.29 352	LR	LR	23 29 16.6
JOW	Kunigami	73.33 307	LR	LR	00 03 25.1
JOW	comp=Z,183nm,21.1s,baz=145,slow=31	73.33 307	LR	LR	00 03 25.1
JOW	Kunigami	73.33 307	LR	LR	00 03 25.1
JMW	Monobe	73.43 316	P	P	23 32 26.6 0.0
JMW	comp=Z,68nm,18.8s,baz=6.5,slow=35	73.43 316	P	P	23 32 26.6 0.0
JMN	Monobe	73.43 316	P	P	23 32 27.3 +0.3
JMN	Monobe	73.43 316	P	P	23 32 26.7 -0.3
JMN	Monobe	73.43 316	P	P	23 32 26.7 -0.3
JMN	Monobe	73.43 316	P	P	23 32 26.7 -0.3
JNU	Nakatsu	75.06 314	LR	LR	00 03 37.3
JNU	comp=Z,7nm,18.2s,baz=71,slow=34	75.06 314	LR	LR	00 03 37.3
LPIG	La Paz	75.42 57	LR	LR	23 29 10.5
LPIG	comp=Z,292nm,18.9s,baz=234,slow=30	75.42 57	LR	LR	23 29 10.5
ESJX	Sierra Juarez	75.45 48	P	P	23 32 39.6 +0.7
ESJX	comp=Z,11nm,1.1s	75.45 48	IAMB	IAMB	23 32 42.6
AJA	Kamikawa-asahi	75.53 329	P	P	23 32 38.7 -0.2
AJA	Asahikawa	75.53 329	LR	LR	23 29 38.3
TPO	Tropico Hills	75.61 44	P	P	23 32 40.1 +0.4
YES	Vestal, Richgr	75.64 43	P	P	23 32 40.0 +0.3
YES	Vestal, Richgr	75.64 43	IAMB	IAMB	23 32 42.6
KMRM	Mali Ridge	75.67 37	P	P	23 32 39.6 -0.3
YUH	Yutha Desert	75.84 47	P	P	23 32 40.9 -0.1
BORC	Borrego Spring	75.86 46	P	P	23 32 40.8 -0.2
SDPT	Sand Point	75.88 8	P	P	23 32 39.8 -0.8
ISA	Isabella, Lake	75.92 43	P	P	23 32 41.2 -0.2
ISA	Isabella, Lake	75.92 43	IAMB	IAMB	23 32 44.7
CTJI	Waduk Cacaban	75.94 268	P	P	23 32 41.1 -0.9
CTJI	comp=Z,9.3nm,1.1s	75.94 268	P	P	23 32 41.1 -0.9
PFO	Pinyon Flats O	76.03 46	LR	LR	23 29 59.6
PFO	comp=Z,96nm,1.1s	76.03 46	LR	LR	23 29 59.6
PFO	Pinyon Flats O	76.03 46	LR	LR	23 32 41.7 -0.5
PFO	Pinyon Flats O	76.03 46	P	P	23 32 42.2 0.0
PMD	Palm Desert	76.11 46	P	P	23 32 41.9 -0.6
YOJ	Yonaguni jima	76.15 303	P	P	23 32 41.5 -1.3
STKI	Sintang	76.15 275	P	P	23 32 42.8 -0.4
OODD	Old Diabolo Mer	76.17 38	P	P	23 32 42.9 +0.2
OODD	Old Diabolo Mer	76.17 38	IAMB	IAMB	23 32 45.7
CMB	Columbia Colle	76.19 40	P	P	23 32 43.2 +0.3
SBUM	Sibu	76.30 278	P	P	23 32 45.0 +1.0
SBUM	Sibu	76.30 278	P	P	23 32 45.0 +1.0
SBUM	comp=Z,9.6nm,1.1s	76.30 278	IAMB	IAMB	23 32 44.5 +0.5
SBUM	Sibu	76.30 278	P	P	23 32 44.9
SBUM	Sibu	76.30 278	P	P	23 32 43.5 +0.5
SBUM	Sibu	76.30 278	P	P	23 32 44.8 +0.8
LRMC	Laurel Mtn Rad	76.32 44	P	P	23 32 43.9 +0.1
AFDM	Forest Hills D	76.42 39	P	P	23 32 44.5 +0.3
ORV	Choc Canyon lake	76.50 39	P	P	23 32 44.6 0.0
BELO	Belle Mtn. Jrs	76.56 47	P	P	23 32 45.1 +0.1
BELO	Belle Mtn. Jrs	76.56 47	P	P	23 32 45.0 -0.2
CLC	China Lake	76.58 44	P	P	23 32 45.8 +0.6
CWC	Cottonwood Cre	76.65 43	P	P	23 32 45.3 -0.3
BCB3	Big Chuckwall	76.74 47	P	P	23 32 46.4 +0.2
MDPB	Devils Postpil	76.75 41	P	P	23 32 46.2 -0.1
MDPB	Devils Postpil	76.75 41	IAMB	IAMB	23 32 49.5
GSC	Goldstone, Bar	76.79 44	P	P	23 32 45.6 -0.8
MPMC	Manual Prospec	76.80 44	IAMB	IAMB	23 32 49.9
MPMC	comp=Z,11nm,1.2s	76.80 44	IAMB	IAMB	23 32 49.9
O03E	Paynes Cree	76.81 38	IAMB	IAMB	23 32 46.6 +0.2
O03E	Paynes Cree	76.81 38	IAMB	IAMB	23 33 00.1
TWGT	Beinan	76.90 300	P	P	23 32 46.6 -0.6
TWGT	Pinang	76.91 300	P	P	23 32 45.6 -1.7
TWGT	Pinang	76.91 300	P	P	23 32 45.6 -1.7
MO2C	Callahan	76.94 37	P	P	23 32 47.2 +0.1
PIX	Pinacate	76.95 49	IAMB	IAMB	23 32 47.8 +0.6
PIX	Pinacate	76.95 49	IAMB	IAMB	23 32 49.7
YULB	Yu-yi	77.00 301	P	P	23 32 47.8 +0.1
YULB	Yu-yi	77.00 301	P	P	23 32 46.0 -1.7
YULB	Yu-yi	77.00 301	P	P	23 32 47.0 -0.8
YULB	Yu-yi	77.00 301	P	P	23 32 47.0 -0.8
PEA0B	Petrovavlovsk	77.06 343	P	P	23 32 47.3 -0.1
PETK	Petrovavlovsk	77.06 343	P	P	23 32 48.4 +0.9
PETK	comp=Z,21nm,0.9s,baz=101,slow=7.9,SNR=14	77.06 343	LR	LR	00 03 25.8
PETK	Petrovavlovsk	77.06 343	LR	LR	00 03 25.8
PETK	comp=Z,91nm,19.8s,baz=156,slow=33	77.06 343	LR	LR	00 03 25.8
PETK	Petrovavlovsk	77.06 343	P	P	23 32 47.4 0.0
WAKR	Walker	77.07 41	P	P	23 32 48.2 +0.1
NACB	Ninganchiao	77.13 302	P	P	23 32 48.5 0.0
NACB	Ninganchiao	77.13 302	P	P	23 32 47.1 -1.4
NACB	Ninganchiao	77.13 302	P	P	23 32 48.8 +0.3
NACB	Ninganchiao	77.13 302	P	P	23 32 48.8 +0.3
QSM	Queen of Sheba	77.14 44	P	P	23

4d 23h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like PV10, PV19, PV17, L20K, L20K, L20K, etc.

2020 OCT

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like BOZ, YHH, BWN, DLBC, 129A, 129A, etc.

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Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like HNS, HNS, BJJ2, BJJ2, BJJ2, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like WMQ Urumqi, ZALV, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like ABTA Abfaltersbach, SSB Saint Sauveur, BARDONECCHIA, etc.

DJA 05:00:27:19.5:0.2,8'S:2.12'0E, h10km, M4, 1/22, mb4.0/1, MLv4.2/22
IDC 05:00:27:23.6:3.9,7.82S:120.94'E, h53km, 33km, mb3.7/7, mbmp4.0/10, ML4.1/3, MS3.0/4, Error ellipse: s-maj=144.4km s-min=11.4km az=58.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like Code Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like BATI Soe, SOEI, SOEI, etc.

AUST 05:00:27:29.9:0.3,24'S:3.11'E, h10km, ML3.6/15, Error ellipse: s-maj=6.3km s-min=5.5km az=65.6, Western Australia

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like MEEK Meekatharra, MEEK, MEEK, etc.

WEL 05:00:34:31.8:0.5,32'S:6.17'8W, h12km, M4, 8/12, mB5.1/7, ML4.7/12, MLv5.0/12, Mw(mB)4.5/7, Error ellipse: s-maj=23.0km s-min=3.4km az=107.8, confirmed

NEIC 05:00:34:35.4:0.1,31.39S:0.08:178.9W:0.2, h63km, 6km, mb4.7/7, Error ellipse: s-maj=20.7km s-min=9.2km az=108.0

IDC 05:00:34:37.9:1.4,31.17S:178.84W, h94km, 12km, mb4.2/10, mbmp4.5/14, MS3.1/4, Error ellipse: s-maj=13.9km s-min=1.3km az=121.1

ISC 05:00:34:35.4:0.1,31.39S:0.05:178.97W:0.08, h78km, 7km, n91, c184/100, mb4.7/20, 6C-1D, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like GLKZ Green Lake, GLKZ, GLKZ, etc.

5d 1h

Table with columns: Station Name, Frequency, Mode, Direction, and other parameters. Includes stations like WMGZ, HAZ, PKGZ, PUKETITI, RAUKUMARA RANG, etc.

2020 OCT

Table with columns: Station Name, Frequency, Mode, Direction, and other parameters. Includes stations like NVAR, U15A, PDAR, KURBB, BVAR, ARTI, etc.

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Table with columns: Station Name, Frequency, Mode, Direction, and other parameters. Includes stations like MKAR, MKAP, ZALV, FINES, GERES, etc.



Table of astronomical observations for 5d 2h, listing station names, coordinates, and observation details.

Table of astronomical observations for 2020 OCT, listing station names, coordinates, and observation details.

Table of astronomical observations for 252, listing station names, coordinates, and observation details.

STVT		iS	Sg	02 05 09.4 -0.3	TWT Tachien	1.09 16	eP	Pg	02 05 26.8 -0.5	HILR Hailar Array B	26.32 358 LR	LR	02 20 57.1	
ELDTW	Lidau	0.15 95	iP	Pg	02 05 10.6 +1.0	WDGT Dungi	1.10 273	P	Pg	02 05 26.5 -1.0	comp=Z,47m,19.0s,baz=200,slow=36			
ELDTW		iS	Pg	02 05 13.3 +1.8	WDGT		eS	Sg	02 05 40.6 -1.2	SOMN Songino Array	27.16 338 P	P	02 10 51.3 +0.3	
TPUB	Ta-pu	0.23 296	iP	Pg	02 05 10.9 +0.1	FUSHU Fushu	1.10 19	eP	Pg	02 05 26.9 -0.7	comp=Z,0.4nm,0.5s,baz=177,slow=28,SNR=2.0			
TPUB	Ta-pu	0.23 296	iP	Pg	02 05 10.9 +0.1	TWD Chiawan	1.11 38	iP	Pg	02 05 27.6 -0.1				
SGST	Jiashian	0.27 244	eP	Pg	02 05 10.9 -0.9	TWO1 Liyutan	1.14 356	P	Pb	02 05 28.7 0.0	comp=Z,1.03m,19.8s,baz=164,slow=4.0		02 22 59.2	
SGST		eS	Pg	02 05 14.8 -0.5	TWQ1		eS	Pb	02 05 46.0 +0.6	KLR Kul'dur	27.37 16 LR	LR	02 23 58.4	
CHN4	Tsashan	0.28 302	iP	Pg	02 05 12.2 +0.3	ETHL Xiulin Townshi	1.16 30	eP	Sg	02 05 27.9 -0.8	comp=Z,34m,18.3s,baz=234,slow=4.1			
CHN4		iS	Pg	02 05 16.6 +1.0	ETHL		eS	Pb	02 05 45.4 -0.4	KAPI Kappang	28.06 182 LR	LR	02 25 34.8	
SLGT	Liugui	0.28 222	iP	Pg	02 05 12.0 +0.1	WDJ Dajia District	1.16 350	eP	Sg	02 05 29.9 +0.5	TLY Talaya	31.38 339 LR	LR	02 25 17.5
SLGT		iS	Pg	02 05 14.9 +0.4	WDJ		eS	Pb	02 05 45.5 -2.0	MKAR Mankchi Array	38.84 317 P	P	02 12 33.3 +0.7	
CHN1	Nanshi	0.30 267	iP	Pg	02 05 12.6 +0.3	SMST Manzhou Townsh	1.18 181	eP	Pb	02 05 29.2 -0.1	comp=Z,0.5nm,0.7s,baz=105,slow=9.3,SNR=4.2			
CHN1		iS	Pg	02 05 17.1 +0.9	NACB Ninganchiao	1.18 35	P	Sg	02 05 28.4 -0.8	YAK Yakutsk	39.28 7 LR	LR	02 30 34.5	
YUS	Yu-Shan	0.30 18	iP	Pg	02 05 13.0 +0.6	NACB Ninganchiao	1.18 35	P	Sg	02 05 46.5 +0.2	ZALV Zalevo Bay Arr	40.1 328 P	P	02 12 50.1 +0.5
YUS		eS	Pb	02 05 18.4 -1.8	NACB Ninganchiao	1.18 35	P	Pg	02 05 28.6 -0.6	comp=Z,0.8nm,19.8s,baz=201,slow=5.9				
ALS	Alishan	0.31 352	iP	Pg	02 05 17.0 +0.7	NACB Ninganchiao	1.19 36	eP	Pg	02 05 31.1 +1.2	comp=Z,0.8nm,0.7s,baz=107,slow=7.8,SNR=5.5			
WCKO	Tainan City	0.33 273	iP	Pg	02 05 13.2 +0.5	HEN Hengchun	1.20 185	P	Sb	02 05 48.3 +1.7	KURBB Kurchatov Arr	42.67 321 P	P	02 13 04.3 +0.2
WCKO	Fanlu	0.33 216	iP	Pg	02 05 13.1 +0.4	PHUB Peng-hu	1.22 285	P	Sb	02 05 27.9 -2.1	comp=Z,0.4nm,0.6s,baz=120,slow=7.3,SNR=4.3			
EHU	Haiduan	0.33 99	iP	Pg	02 05 18.3 +1.2	PHUB Penghu	1.25 287	eP	Sg	02 05 28.5 -2.1	H1N1 WAKE ISLAND Hy 42.86	86 T	T	02 58 19.0
EHU		iS	Pb	02 05 18.9 -1.8	PHUB Penghu	1.25 287	eP	Sg	02 05 44.5 -2.0	comp=Z,262,slow=75,SNR=6.8				
HWK	Hsinying	0.34 281	iP	Pg	02 05 13.3 +0.3	TWK1 Hengchun	1.25 182	eP	Sg	02 05 30.9 +0.4	H1N2 WAKE ISLAND Hy 42.86	86 T	T	02 58 19.0
HWK		iS	Pg	02 05 19.3 +1.8	TWK1 Hengchun	1.25 182	eP	Sg	02 05 50.4 +2.4	H1N3 WAKE ISLAND Hy 42.86	86 T	T	02 58 20.2	
ECS	Chishang	0.35 107	iP	Pg	02 05 14.5 -0.9	TWKBT Hengchun	1.26 182	eP	Sg	02 05 31.0 +0.5	H1S3 WAKE ISLAND Hy 42.96	87 T	T	02 58 26.1
ECS		iS	Pb	02 05 20.3 -1.0	TWKBT Hengchun	1.26 182	eP	Sg	02 05 49.8 +1.7	H1S1 WAKE ISLAND Hy 42.97	87 T	T	02 58 26.2	
LONT	Longtian	0.39 139	iP	Pg	02 05 14.8 +0.0	TSEB Hengchuen, Pin	1.30 178	eP	Sg	02 05 32.0 +0.7	H1S2 WAKE ISLAND Hy 42.98	87 T	T	02 58 27.4
LONT		iS	Pg	02 05 17.7 +0.7	TSEB Hengchuen, Pin	1.30 178	eP	Sg	02 05 51.2 +1.3	WRA Warramunga Arr	44.86 162 P	P	02 13 21.9 -0.1	
FULB	Fuli	0.41 90	iP	Pg	02 05 15.7 -0.5	VCHM Qimei	1.31 271	P	Sb	02 05 29.9 -2.0	ASAR Ararat Springs	48.28 164 P	P	02 13 49.3 +0.4
FULB		iS	Pb	02 05 22.4 -0.4	VCHM Datong	1.31 22	eP	Sg	02 05 32.3 +0.3	NRK Nori'sk	50.27 345 LR	LR	02 35 33.8	
CHNS	Tsauling	0.42 338	iP	Pg	02 05 15.0 +0.4	NNSB Nan Shan	1.32 21	eS	Sg	02 05 50.8 +0.9	ARTI ARTI	55.80 323 LR	LR	02 38 39.8
CHNS		iS	Pg	02 05 21.7 +1.5	NNSB Nan Shan	1.32 21	eS	Sg	02 05 51.6 +1.8	ARCES ARCES Array B	70.3 338 LR	LR	02 50 13.1	
CHNS	Pinlang	0.43 152	iP	Pg	02 05 21.4 +1.1	LAY Lan-yu	1.33 151	eP	Sg	02 05 32.7 -0.2	NOA NOA	78.95 332 P	P	02 17 12.2 +1.1
CHNS		iS	Pb	02 05 24.4 +0.2	NNSB Nan Shan	1.33 151	eP	Sg	02 05 52.1 +1.3	comp=Z,0.4nm,0.6s,baz=337,slow=6.3,SNR=7.0				
TWG	Pinlang	0.43 152	iP	Pg	02 05 21.4 +1.1	NNSB Nan Shan	1.33 151	eP	Sg	02 05 52.1 +1.3	comp=Z,0.4nm,0.6s			
TWG		iS	Pb	02 05 24.4 +0.2	NNSB Nan Shan	1.33 151	eP	Sg	02 05 52.1 +1.3					
TWF1	Yuli	0.44 70	iP	Pg	02 05 15.7 -1.0	LAY Lan-yu	1.33 151	eP	Sg	02 05 32.7 -0.2				
TWF1		iS	Pb	02 05 21.3 +0.7	NMLH Miaoili	1.33 358	eP	Pg	02 05 32.3 +0.3					
TWGBT	Beinan	0.44 151	iP	Pg	02 05 15.4 +0.6	EHP Heping Village	1.37 36	P	Sg	02 05 32.1 -0.3				
TWGBT		iS	Pb	02 05 21.5 +0.9	EHP Heping Village	1.37 36	P	Sg	02 05 50.8 -0.2					
TWGBT	Beinan	0.44 151	iP	Pg	02 05 15.4 +0.6	LYUB Lan-yu	1.37 150	eP	Sg	02 05 32.7 -0.2				
TWGBT		iS	Pb	02 05 21.4 +0.9	EAHA Aohua	1.39 36	eP	Sg	02 05 52.1 +1.3					
YULB	Yu-li	0.45 65	iP	Pg	02 05 15.7 +0.6	EAHA Aohua	1.39 36	eP	Sg	02 05 52.1 +1.3				
YULB		iS	Pb	02 05 15.7 +0.6	NSTT Nanjiang	1.43 5	eP	Sg	02 05 32.7 -0.2					
EYUL	Yuli	0.45 71	iP	Pg	02 05 16.1 -0.1	NSTT Nanjiang	1.43 5	eP	Sg	02 05 53.1 +0.7				
EYUL		iS	Pb	02 05 22.2 +1.7	NSTT Nanjiang	1.43 5	eP	Sg	02 05 53.1 +0.7					
SCST	Cishan	0.46 222	iP	Pg	02 05 15.9 +0.7	LIOB Emei	1.45 6	iP	Pg	02 05 33.8 -0.2				
SCST		eS	Pb	02 05 24.4 +0.2	LIOB Emei	1.45 6	iP	Pg	02 05 51.9 +0.0					
CHN3	Shinhua	0.47 254	iP	Pg	02 05 17.1 -0.1	NFF Wufeng Townshi	1.45 10	P	Sg	02 05 34.2 0.0				
CHN3		iS	Pb	02 05 25.6 +1.2	NFF Wufeng Townshi	1.45 10	P	Sg	02 05 54.2 +1.3					
CHN3	Donghe	0.47 119	iP	Pg	02 05 16.4 +0.5	LATG Datong	1.46 25	eP	Sg	02 05 38.0 0.0				
CHN3		iS	Pb	02 05 25.6 +1.2	LATG Datong	1.46 25	eP	Sg	02 05 55.8 +2.3					
EDH	Minshiang	0.48 314	iP	Pg	02 05 16.5 +0.9	EWGT Wuta	1.50 34	eS	Pg	02 05 35.0 -0.4				
EDH		iS	Pb	02 05 24.4 -0.4	EWGT Wuta	1.50 34	eS	Pg	02 05 57.6 +2.3					
CHN2	Chengkung	0.48 102	iP	Pg	02 05 17.5 0.0	NDT Datong Townshi	1.52 23	eP	Pb	02 05 57.6 +2.3				
CHN2		iS	Pb	02 05 26.0 +1.0	NDT Datong Townshi	1.52 23	eP	Pb	02 05 57.6 +2.3					
CHKT	Chiayi	0.49 307	iP	Pg	02 05 24.9 -0.2	YHNB Yeheng	1.54 18	P	Sg	02 05 34.8 +0.1				
CHKT		iS	Pb	02 05 31.9 +0.9	YHNB Yeheng	1.54 18	P	Sg	02 05 56.1 +0.2					
CHY	Xinyi Township	0.49 0	iP	Pg	02 05 16.2 +0.3	YHNB Yeheng	1.54 18	P	Sg	02 05 56.1 +0.2				
CHY		iS	Pb	02 05 24.9 -0.2	NSK Sanguang	1.54 17	P	Sg	02 05 35.0 -0.5					
WHYT	Sandimen	0.50 204	iP	Pg	02 05 15.9 -0.1	NSK Sanguang	1.54 17	P	Sg	02 05 55.9 0.0				
WHYT		iS	Pb	02 05 23.3 +0.9	ENTT Nioudou	1.57 24	eP	Sg	02 05 35.7 -0.4					
SHHT	Tainan City	0.50 249	P	Pg	02 05 18.3 +0.5	ENTT Nioudou	1.57 24	eP	Sg	02 06 03.0 +3.2				
SHHT		iS	Pb	02 05 22.1 -0.1	SCBS Hsinchu	1.59 4	eS	Pg	02 05 35.9 -0.5					
CHKH	Chenggong	0.50 91	P	Pg	02 05 17.3 +0.5	KSHI Guanxi Townshi	1.60 11	eP	Pb	02 05 58.0 +0.1				
CHKH		iS	Pb	02 05 25.5 0.0	KSHI Guanxi Townshi	1.60 11	eP	Pb	02 05 58.0 +0.1					
SSHA	Shanhua	0.52 263	P	Pg	02 05 18.0 -0.1	HSN Hsinchu	1.60 4	eP	Sg	02 05 59.3 +1.5				
SSHA		iS	Pb	02 05 25.5 0.0	HSN Hsinchu	1.60 4	eP	Sg	02 05 60.0 +2.2					
TTN	Taitung	0.52 148	iP	Pg	02 05 27.5 +1.4	EOS4 EOS4	1.63 55	eP	Sg	02 05 35.3 -0.2				
TTN		iS	Pb	02 05 34.9 +0.2	EOS4 EOS4	1.63 55	eP	Sg	02 05 57.0 +0.2					
EHY	Hungye	0.53 55	P	Pg	02 05 17.1 +0.5	NDS Nodoshan	1.63 29	P	Pb	02 05 36.7 -0.4				
EHY		iS	Pb	02 05 24.4 +0.5	NDS Nodoshan	1.63 29	P	Pb	02 05 36.7 -0.4					
TSMG	Majia	0.53 201	iP	Pg	02 05 16.4 -0.2	NDS Nodoshan	1.63 29	P	Pb	02 06 01.4 +2.5				
TSMG		iS	Pb	02 05 23.3 -0.2	ESAO Su ao	1.64 33	eP	Sg	02 05 37.0 -0.3					
EYH	Wanrong	0.54 57	iP	Pg	02 05 18.5 -0.1	TWC Suao	1.67 33	eP	Sg	02 05 37.5 -0.3				
EYH		iS	Pb	02 05 24.4 +0.5	TWC Suao	1.67 33	eP	Sg	02 05 37.5 -0.3					
TWM1	Shoushan	0.55 226	eP	Pg	02 05 18.5 -0.1	NWLT Wulai	1.68 21	eP	Sg	02 06 00.4 +0.2				
TWM1		iS	Pb	02 05 24.4 +0.5	NWLT Wulai	1.68 21	eP	Sg	02 06 01.4 +0.2					
ICHU	Yijhu	0.55 287	eP	Pg	02 05 17.8 +0.8	NWLT Wulai	1.68 21	eP	Sg	02 06 01.2 +0.8				
ICHU		iS	Pb	02 05 26.7 -0.2	TWE Neicheng	1.69 26	eP	Sg	02 05 38.3 -0.5					
ECBN	Changbin	0.56 78	iP	Pg	02 05 19.4 +0.5	FUSB Fushanzhiwuyua	1.69 23	eP	Pb	02 06 03.0 +2.3				
ECBN		iS	Pb	02 05 26.7 -0.2	FUSB Fushanzhiwuyua	1.69 23	eP	Pb	02 06 03.0 +2.3					
WDLH	Douliu	0.56 329	iP	Pg	02 05 18.4 +0.5	EOS3 EOS3	1.72 51	eP	Sg	02 06 01.1 +0.3				
WDLH		iS	Pb	02 05 26.4 +0.6	EOS3 EOS3	1.72 51	eP	Sg	02 06 01.1 +0.3					
WDLH	Jiuru	0.58 215	eP	Pg	02 05 28.0 +0.7	EOS2 EOS2	1.75 46	eP	Pb	02 05 38.0 -1.1				
WDLH		iS	Pb	02 05 36.0 +1.2	EOS2 EOS2	1.75 46	eP	Pb	02 05 40.6 -0.1					
WDL	Douliou City	0.59 331	iP	Pg	02 05 29.8 -1.5	NHHD Xindian Distri	1.86 19	iP	Pg	02 04 42.2 +0.1				
WDL		iS	Pb	02 05 37.4 +0.2	NHHD Xindian Distri	1.86 19	iP	Pg	02 04 42.2 +0.1					
SSLB	Suanglung	0.59 9	P	Pg	02 05 17.6 -0.2	TWA Mucha	1.89 21	eS	Sg	02 06 07.3 0.0				
SSLB		iS	Pb	02 05 26.4 +0.9	TWA Mucha	1.89 21	eS	Sg	02 06 07.3 0.0					
SSLB	Suanglung	0.59 9	iP	Pg	02 05 17.6 -0.2	TAP Taipei	1.93 18	eP	Pg	02 05 42.7 -0.7				
SSLB		iS	Pb	02 05 26.0 +0.5	TAP Taipei	1.93 18	eP	Pg	02 05 42.7 -0.7					
SSLB	Yung-k'ang	0.60 254	iP	Pg	02 05 19.3 -0.2	TWS1 Kaopinginshan	1.96 15	eP	Pg	02 05 44.1 +0.1				
SSLB		iS	Pb	02 05 29.4 +1.1	TWS1 Kaopinginshan	1.96 15	eP	Pg	02 05 44.1 +0.1					
HGSD	Ruisui	0.60 61	eP	Pg	02 05 19.3									

Table with columns: Station ID, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like MAJO Matsushiro, JZJS Izushimoda, and various others.

Table with columns: Station ID, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like SONM Songino Array, H1N1 WAKE ISLAND, and various others.

Table with columns: Station ID, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like PDGK Podgornoye, SHLS Shaikode, and various others.



Table with columns: ARTI, Arti, comp, LR, LR, 03 08 47.4, etc. Lists various stations and their associated data.

Table with columns: LIT, Iamb, Iamb, 02 46 14.1, etc. Lists various stations and their associated data.

Table with columns: SOEI, SOEI, 4.76 92, etc. Lists various stations and their associated data.



Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like OXFORD, THZ, KLP, CASY, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like MAKZ, MAKZ, MAKZ, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like ALNE, ABTO, MSFE, etc.

5d 4h

Table of station data for the 5d 4h period, including columns for station name, coordinates, and various parameters.

2020 OCT

Main table of station data for 2020 OCT, including columns for station name, coordinates, and various parameters.

258

Table of station data for the 258 period, including columns for station name, coordinates, and various parameters.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like China Lake, Snort, Big Mountain B, Monarch Peak, etc.

IDC 05 04:29:32.7.1.2.9.27S; 119.57E, h0km, mb3.9/4, mbmp3.9/8, ML4.0/4, MS3.4/1, Error ellipse: s-maj=37.2km s-min=14.3km az=42.0

ISC 05 04:29:37.9.1.0.9.84S; 0.09x119.6E.0.1, h50km, n14, a333/15, mb3.9/4, Sumba region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Bati, Bati, Bati, Bati, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MKAR Makanchi Array, HO4N2 CROZET ISLANDS, etc.

TEH 05 04:32:55.3; 26.99N-56.18E, h6km, 210km, ML3.3, Presumed earthquake

DSN 05 04:32:57.0.1.8.27.07N:56.50E, h4km, 8km, ML3.4/9, Error ellipse: s-maj=20.9km s-min=9.2km az=103.0

OMAN 05 04:32:58.3.1.1.27.10N:56.36E, h10km, m13.2/13, Error ellipse: s-maj=19.0km s-min=6.5km az=107.0

ISC 05 04:32:53.4.1.5.27.26N:0.03; 55.85E:0.07, h13km, 13km, n30, a150/39, Southern Iran

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GENO, IBND, SHME, SHME, etc.

IDC 05 04:39:18.1.0.9.41.23S; 91.52W, h0km, mb3.8/7, mbmp3.8/7, MS3.8/37, Error ellipse: s-maj=36.4km s-min=22.3km az=107.0

NEIC 05 04:39:19.8.1.8.41.27S; 0.08-91.6W:0.1, h10km, 1km, mb4.5/20, Error ellipse: s-maj=26.2km s-min=11.5km az=286.0

GCMT 05 04:39:19.8.0.4.1.26S; 0.02-91.73W:0.03, h22km, 1km, MW4.9/95, Moment Tensor Solution. s30,c33; s95,c134; Duration: 0 Moment tensor: Scale 1.016N; Mr-1.10E-17; Mw:0.65E-12; Mw0.45E-12; Mw0.34E-18; Mw0.27E-08; Mw0.25E-17; Best double couple: Mw2.75300E-10; NP1=359.00000; s84.00000; A2.00000; NP2: q2269.00000; s83.00000; A174.00000; Principal axes: T 3.210, P1g3.00000; Azm24.00000; N -1.1370, P1g84.00000; Azm73.00000; P -2.1850, P1g3.00000; Azm314.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 05 04:39:20.4.0.7.41.2S; 0.1x91.4W:0.1, h10km, n79, a150/39, mb4.1/13, MS3.9/36, 2C, Southeast of Easter Island

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H03S2, H03S1, H03N2, H03N1, etc.

PLCA Paso Flores 15.78 95 Pn P 04 43 03.4 +0.6 comp=2.0, 1nm, 0.3s, baz=265, slow=8.9, SNR=5.8

PLCA comp=2.220nm, 19.6s, baz=259, slow=29 SNR=11.6

PLCA San Fabi de 16.31 81 Pn P 04 43 13.3 +0.8 comp=2.45nm, 1.3s

ML02 Panimavida 16.56 78 Pn P 04 43 16.1 +0.9

RPN Rapa Nui 20.33 308 LR LR 04 43 22.0 comp=2.509nm, 21.2s, baz=142, slow=30

ZON Zonda 20.63 70 Pn P 04 44 00.8 +0.7 comp=2.24nm, 1.3s

CFA Coronel Fontan 20.91 70 Pn P 04 44 02.7 -0.4 comp=2.3, 2nm, 0.8s, baz=240, slow=13, SNR=7.8

AC05 El Transito 21.18 61 Pn P 04 44 07.0 +1.0

TRQA Torquist 22.85 92 Pn P 04 44 24.8 +1.0

TRQA comp=2.18nm, 1.4s

AC02 Maricunga 23.27 59 Pn P 04 44 29.2 +0.5

AC02 comp=2.22nm, 1.5s

PMSA Palmer Station 28.40 156 LR LR 04 52 25.4 comp=2.147nm, 21.4s, baz=942, slow=28

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PTLB, BDFB, MACA, ROSC, etc.

MACA Manacapuru-AM 46.84 44 Pn P 04 47 42.2 -1.5

ROSC El Rosal 46.37 23 LR LR 04 05 23.1 comp=1.17nm, 18.4s, baz=190, slow=34

VNA3 Neumayer Olymp 49.06 155 P P 04 48 09.2 +2.0

QSPA South Pole Q1 49.08 180 P P 04 48 07.4 -0.3 comp=2.0, 0.5nm, 0.6s, baz=113, slow=2.0, SNR=6.3

QSPA South Pole Q2 49.08 180 P Iamb P 04 48 07.7 -1.0 comp=2.6, 2nm, 1.5s

VNA2 Neumayer-Watz 49.84 155 P P 04 48 15.4 +2.2 comp=2.1, 4nm, 0.6s, baz=292, slow=8.0

SNA2 Montages des 51.12 156 LR LR 05 07 05.3 comp=1.136nm, 19.2s, baz=210, slow=33

JTS Las Juntas de 51.53 8 LR LR 04 50 54.3 comp=2.100nm, 18.6s, baz=185, slow=30

BOAV Boa Vista 51.67 41 Pn P 04 48 25.3 -2.3

BOAV comp=2.7, 2nm, 1.1s

SDV Santo Domingo 53.34 26 LR LR 05 09 11.3 comp=2.191nm, 21.1s, baz=133, slow=34

TAOE Nuku Nuku 53.66 293 LR LR 05 04 12.7 comp=2.271nm, 27.0s

VNDA Vanda 53.66 195 P P 04 48 38.9 -2.7 comp=2.0, 7nm, 0.8s, baz=180, slow=6.1, SNR=6.0

VNDA Vapeete2 54.76 277 eLR LR 05 04 36.0 comp=2.116nm, 20.5s, baz=105, slow=30

VNDA Vapeete2 54.76 195 P P 04 48 39.0 -2.7 comp=2.0, 7nm, 0.8s

PP22 comp=2.104nm, 27.5s

CMIG Matias Romero 58.03 356 LR LR 05 08 51.7 comp=2.55nm, 18.0s, baz=187, slow=30

MDP Montagnes des 58.10 47 LR LR 05 11 46.2 comp=2.173nm, 19.5s, baz=247, slow=34

SJG San Juan 63.45 27 LR LR 05 16 26.9 comp=2.85nm, 19.5s, baz=178, slow=35

URZ Ureca 67.92 339 LR LR 05 11 56.6 comp=2.230nm, 19.6s, baz=146, slow=29

LPJG La Paz 67.25 341 LR LR 05 13 45.4 comp=2.14nm, 18.8s, baz=122, slow=31

MAW Mawson 69.87 170 LR LR 05 19 12.5 comp=2.15nm, 18.0s, baz=237, slow=34

TXAR Lajitas Array 71.04 349 P P 04 50 39.2 +0.6 comp=2.1, 1nm, 0.8s, baz=168, slow=7.6, SNR=3.7

AFI Afanador 73.77 266 LR LR 05 16 46.7 comp=2.90nm, 18.6s, baz=134, slow=30

TKL Tuckaleechee C 76.76 6 LR LR 05 20 33.0 comp=2.32nm, 18.3s, baz=181, slow=32

ANMO Albuquerque 76.98 347 LR LR 05 19 08.2 comp=2.45nm, 19.5s, baz=164, slow=31

PFO Pinyon Flats O 77.89 339 LR LR 05 18 28.1 comp=2.26nm, 21.3s, baz=164, slow=30

PV01 Paradox Valley 80.55 346 P P 04 51 33.8 +1.4

PV02 Paradox Valley 80.55 346 P Iamb P 04 51 32.3 -0.6

PV02 comp=2.8, 0nm, 1.2s

PV03 Paradox Valley 80.62 346 P P 04 51 32.8 -0.4

TMUT Trail Mountain 82.08 345 P P 04 51 39.9 -1.2

NVAR Nuvua Array 82.12 339 LR LR 04 51 44.4 -0.2 comp=2.0, 2nm, 0.6s, baz=142, slow=5.7, SNR=5.9

BSUT Blindstream Ca 83.18 345 P P 04 51 47.0 +0.1

BSUT comp=2.4, 1nm, 1.0s

SUR Sutherland 83.83 128 LR LR 05 22 08.2 comp=2.44nm, 19.7s, baz=184, slow=31

PD31 Pinedale Array 85.13 347 P Iamb P 04 51 57.1 +0.6

PD31 comp=2.2, 6nm, 0.8s

PDAR Pinedale Array 85.13 347 P P 04 51 55.9 -0.6 comp=2.1, 1nm, 0.9s, baz=143, slow=3.7, SNR=8.4

PDAR Pinedale Array 85.13 347 P P 04 51 55.4 -1.1 comp=2.1, 1nm, 0.9s

SADO Sadowa 86.25 9 LR LR 05 25 55.3 comp=2.45nm, 18.9s, baz=198, slow=32

YBH Yeha Blue Hor 87.23 337 LR LR 05 22 46.2 comp=3.01nm, 19.1s, baz=142, slow=30

BOSA Boshof 89.19 128 LR LR 05 25 56.9 comp=2.46nm, 20.1s, baz=210, slow=31

TSUM Tsumeb 91.04 117 LR LR 05 26 04.8 comp=2.34nm, 21.7s, baz=216, slow=31

DBIC Dimbort 91.76 83 LR LR 05 32 28.3 comp=2.33nm, 19.5s, baz=240, slow=35

LBTB Lobatse 92.04 126 LR LR 05 29 46.3 comp=2.34nm, 18.4s, baz=198, slow=33

STKA Stephens Creek 92.23 123 LR LR 05 25 10.8 comp=2.55nm, 20.9s, baz=206, slow=30

MATP Matopo 93.23 125 LR LR 05 32 48.7 comp=2.42nm, 18.8s, baz=317, slow=33

HNR Honiara 97.54 251 LR LR 05 30 30.4 comp=2.55nm, 18.1s, baz=346, slow=31

SCHO Schefferville 97.90 14 LR LR 05 35 23.7 comp=2.34nm, 18.5s, baz=134, slow=34

CTA Charters Town 98.95 234 LR LR 05 30 45.9 comp=2.61nm, 18.2s, baz=259, slow=30

NJ2 Nanjing 154.16 229 eP pmax PKPdf 04 59 15.1 +2.8

NJ2 comp=2.9, 0nm, 0.7s

PZH PanZhihua 161.78 221 PKP PKPdf 04 59 24.5 +2.5

HHC Hainao-hao-te 162.65 277 PKP PKPdf 04 59 21.1 +1.3

WMQ Urumqi 177.25 18 ePKP PKPdf 04 59 34.3 +3.6

IDC 05 04:42:08.5.1.9.33.45N; 141.44E, h0km, mb3.5/2, mbmp3.4/3, ML2.2/1, Error ellipse: s-maj=31.5km s-min=22.5km az=46.0

JMA 05 04:42:15.1.0.2.33.5N; 0.9; 141.0E:0.6, h37km, 1km, MW2.5/22, E OFF HACHUOJIMA ISLAND

ISC 05 04:42:14.6.1.5.33.49N; 0.09; 141.1E:0.1, h48km, n9, a656/11, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JHJ2, BSO1, JHJ, etc.

JMKM Mikurajimaish 1.34 288 eP Pn 04 42 36.7 -0.3

BSO3 Boso 1.41 319 Pn Pn 04 42 17.2 -0.1

JKUC kagawawachish 1.84 336 eP Pn 04 42 43.3 -0.4

MJAR Matsushiro Arr 3.88 323 Pn Pn 04 43 12.7 +1.0

MJAR Warramunga Arr 53.52 188 P AML AML 04 51 30.6 +0.1

ASAR Alice Springs 57.25 188 P P 04 51 57.8 +0.6 comp=0.3nm, 0.5s, baz=7.1, slow=7.3, SNR=4.3

AZER 05 05:31:50.4, 38.36N-44.63E, h11km, m12.5, TEH 05 05:31:57.9, 38.50N-45.03E, h20km, 21km, ML2.5, Presumed earthquake

ISC 05 05:31:53.2.1.5.38.41N; 0.04; 44.74E:0.05, h9km, 1km, n14, a165/22, Turkey-Iran border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ISHB, IMRD, NAX, etc.











1.1nm, 0.5s, baz=337, slow=6.8, SNR=23
RES Resolute Bay 85.49 9 LR
comp=Z,55nm,21.9s,baz=5.0,slow=36

IDC 05:07:27:05.0.6.21.188S:170.11E, h0km, mb4/4/14,
mbmp4.4/16,ML3.9/2,MS3.7/11,Error ellipse:
s-maj=19.8km s-min=14.0km az=1.0
NOU 05:07:27:08.6.0.4.21.91S:0.03:170.06E:0.03, h30km,
Southeast of Loyalty Islands
GCMT 05:07:27:08.6.0.4.21.91S:0.03:170.06E:0.03, h30km,
MW5.0/58, Moment Tensor Solution. s28,c34; s58,c81;
Duration: 0 Moment tensor: Scale 10^19Nm; Mr-4.09e-31;
Mw-3.59e-21; Mw0.49e-18; Mw-0.99e-23; Mw1.04e-09;
Mw-0.72e-18; Best double couple: Mw1.8000e+10;
NP1=3258.00000; 327.00000; 1-32.00000; NP2=
0.68.00000; 853.00000; 1.96.00000; Principal axes: T
4.0720, P1g8.0000; Azm162.0000; N 0.2130, P1g5.0000;
Azm72.0000; P -4.2890, P1g81.0000; Azm311.0000;
nsta1 refers to body waves, cutoff=40s. nsta2 refers to
surface waves, cutoff=50s. Triangular moment-rate
function
NEIC 05:07:27:08.6.0.1.21.90S:0.08:169.96E:0.08, h10km, 1km,
mb4.9/30 Error ellipse: s-maj=14.5km s-min=12.3km
baz=147.0

ISC 05:07:27:10.0.0.5.21.37S:0.07:169.98E:0.06, h25km, n113,
c695/106,mb4.7/26,MS3.7/9.5D, Southeast of Loyalty
Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Contains station data for various locations like MARNC, MARNC, MARNC, etc.

Table with columns: SNAA, Snaae, 86.58 182, P, P, 07 39 49.7 -1.1. Contains station data for SNAA, VNA3, VNA2, etc.

BJI 05:07:30:45.8.1.90N:124.88E, h217km, mb4.8/12, mb4.8/55
IDC 05:07:30:50.9.0.9.2.14N:124.62E, h227km, 8km, mb4.3/31,
mbmp4.9/34, Error ellipse: s-maj=12.8km s-min=5.5km
baz=73.0
NEIC 05:07:30:50.7.1.3.228N:0.02:124.70E:0.06, h215km, 5km,
mb4.8/121, Error ellipse: s-maj=8.9km s-min=3.1km
az=90.0
DJA 05:07:30:51.6.0.5.21N:5.12E, h203km, 5km, M4.7/18,
mb4.6/10, mb5.0/7, MLv5.2/18, Mw(MB)4.2/7, Mw/Mwp5.2/1,
Mwp5.5/1
PTWC 05:07:30:51.2.40N:124.90E, h202km, Mwp5.0/8
GFZ 05:07:30:51.2.0.4.21N:5.12E, h223km, 5km, M4.9/19,
mb4.9/19

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Contains station data for MNI, GTOI, TINTI, etc.

Table with columns: KKM, SOEI, SOEI, etc. Contains station data for KKM, SOEI, SOEI, etc.



SJA 05 07:36:45.3-0.7,20:57S:66:83W,h255km,7km,ML3.5,MW3.5

SCB 05 07:36:46.5-1.4,20:57S:66:81W,h233km,10km,ML3.8/3

Error ellipse: s-maj=4.0km s-min=4.0km az=0.0

ISC 05 07:36:45.4-1.8,20:61S:04:66:82W,0.05,h248km,15km,n43,c1947/62,Southern Bolivia

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data for the event.

BUC 05 07:45:21.9-0.2,46:09N:22:87E,h10km,1km,m1.6/13,18C-7D,Error ellipse: s-maj=1.4km s-min=1.2km az=101.0,Romania

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data for the event.

NEIC 05 07:51:39.7-1.6,17:83N:0:03:67:08W,0:02,h10km,1km,ML2.7/33,Md2.9/13(RSPR),Error ellipse: s-maj=5.3km s-min=2.9km az=32.0

SDD 05 07:51:40.7-2.6,17:94N:67:11W,h16km,9km,Md2.9,ML2.5,MW2.8,Presumed earthquake

RSPR 05 07:51:41.3,17:94N:67:06W,h11km,Md2.9/13

ISC 05 07:51:40.3-1.1,17:92N:0:05:67:08W,0:03,h18km,3km,n40,c054/64,10C-15D,Mona Passage

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data for the event.

Table with columns: MLPR, Magueyes Islan, Cabo Rojo, PR, etc. Lists various seismic stations and their recorded data for the event.

ASRS 05 08:11:35.0-1.7,53:70N:91:11E,h0km,M3.3(MOS),The earthquakes of Russia in 2020. Obninsk, GS RAS, 2022.

ISC 05 08:11:39.3-2.5,67N:90:92E,h0km,mbmp3.3/3,ML3.0/3,Error ellipse: s-maj=25.8km s-min=21.1km az=77.0

NNC 05 08:11:46.4-3.9,53:48N:90:43E,h0km,mb3.8,mpv3.4,Error ellipse: s-maj=29.0km s-min=21.9km az=58.0,Suspected Mining explosion.

ISC 05 08:11:46.1-3.9,53:73N:0:10:40:4E,0:02,h0km,n10,c073/13,8C-2D,Southwestern Siberia

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data for the event.

ISC 05 08:20:02.9-4.6,53:66N:88:17E,h0km,mbtmp2.8/2,

ML2.3/3, Error ellipse: s-maj=48.2km s-min=24.1km az=69.0

ASRS 05 08:20:03.0-1.5,53:63N:88:01E,h0km,M2.7(MOS),The earthquakes of Russia in 2020. Obninsk, GS RAS, 2022, Southwestern Siberia

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data for the event.

NNC 05 08:21:24.8-1.3,45:35N:84:77E,h0km,mb4.4,mpv4.1,Error ellipse: s-maj=10.0km s-min=4.7km az=109.0

SOME 05 08:21:24.9,45:63N:84:55E,h5km

ISC 05 08:21:26.8-0.9,45:47N:0:04:84:52E,0:04,h10km,n49,c270/65,7C-9D,Northern Xinjiang

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data for the event.





5d 8h

2020 OCT

Table with columns for call sign, name, frequency, power, mode, and other details. Includes stations like Juan Fernandez, Paso Flores, Curarrehue, etc.

Table with columns for call sign, name, frequency, power, mode, and other details. Includes stations like CMSA Cobar Meteorol, CPUP Villa Florida, NNA Nana, etc.

Table with columns for call sign, name, frequency, power, mode, and other details. Includes stations like WRAB Tennant Creek, WBO Warrunganga, JTS Las Juntas de, etc.







Table with columns: PUZ, Raukumara Rang, 6.04 212, AML, Pn, 09 50 26.3 +0.4, etc.

Table with columns: Urewera, 6.54 214, Pn, 09 50 32.2 -0.4, etc.

Table with columns: Wairamunga Arr, 44.01 275, P, 09 57 05.3 +0.9, etc.

Table with columns: Wairamunga Arr, 44.01 275, P, 09 57 05.3 +0.9, etc.

Table with columns: Wairamunga Arr, 44.01 275, P, 09 57 05.3 +0.9, etc.

Table with columns: Wairamunga Arr, 44.01 275, P, 09 57 05.3 +0.9, etc.

Table with columns: Wairamunga Arr, 44.01 275, P, 09 57 05.3 +0.9, etc.

Table with columns: Wairamunga Arr, 44.01 275, P, 09 57 05.3 +0.9, etc.

Table with columns: Wairamunga Arr, 44.01 275, P, 09 57 05.3 +0.9, etc.

Table with columns: UUF, Kankaanpaa, 1.76 240, SN, Pn, 10 08 41.9 +0.1, etc.

Table with columns: UUF, Kankaanpaa, 1.76 240, SN, Pn, 10 08 41.9 +0.1, etc.

Table with columns: UUF, Kankaanpaa, 1.76 240, SN, Pn, 10 08 41.9 +0.1, etc.

Table with columns: UUF, Kankaanpaa, 1.76 240, SN, Pn, 10 08 41.9 +0.1, etc.

Table with columns: UUF, Kankaanpaa, 1.76 240, SN, Pn, 10 08 41.9 +0.1, etc.

Table with columns: UUF, Kankaanpaa, 1.76 240, SN, Pn, 10 08 41.9 +0.1, etc.

Table with columns: UUF, Kankaanpaa, 1.76 240, SN, Pn, 10 08 41.9 +0.1, etc.

Table with columns: UUF, Kankaanpaa, 1.76 240, SN, Pn, 10 08 41.9 +0.1, etc.

Table with columns: UUF, Kankaanpaa, 1.76 240, SN, Pn, 10 08 41.9 +0.1, etc.

Table with columns: LPAZ, La Paz, 10.07 143, Pn, 10 41 17.9 +0.1, etc.

Table with columns: LPAZ, La Paz, 10.07 143, Pn, 10 41 17.9 +0.1, etc.

Table with columns: LPAZ, La Paz, 10.07 143, Pn, 10 41 17.9 +0.1, etc.

Table with columns: LPAZ, La Paz, 10.07 143, Pn, 10 41 17.9 +0.1, etc.

Table with columns: LPAZ, La Paz, 10.07 143, Pn, 10 41 17.9 +0.1, etc.

Table with columns: LPAZ, La Paz, 10.07 143, Pn, 10 41 17.9 +0.1, etc.

Table with columns: LPAZ, La Paz, 10.07 143, Pn, 10 41 17.9 +0.1, etc.

Table with columns: LPAZ, La Paz, 10.07 143, Pn, 10 41 17.9 +0.1, etc.

Table with columns: LPAZ, La Paz, 10.07 143, Pn, 10 41 17.9 +0.1, etc.

HEL 05 10:07:49.8-0.2, 62.75N-25.28E, h0km, ML1.2, Explosion, Finland

HEL 05 10:06:57.4-0.1, 59.21N-27.83E, h0km, ML1.4(HEL), Explosion

NOU 05 10:30:11.0, 24.80S: 179.92W, h602km, mb4.2/9, South of Fiji Islands

ISC 05 10:30:11.9-0.6, 24.94S: 0.06: 179.8E: 0.1, h501km, n64, o171/68, mb3.6/7, South of Fiji Islands

GUC 05 10:41:42.0-0.6, 62.173S-68.51W, h130km, ML2.7, 2C, Presumed earthquake, Chile-Bolivia border region

NEIC 05 10:47:31.5, 47.55N-128.98W, h3km, Moment Tensor Solution



Azm35.0000°; P -9.4044, Plg51.0000°; Azm146.0000°;  
 PGC 05 10:47:31.6,1.3,47:55N:128:98W,h10km,ML3S,5/22,  
 Mw4.1/22,289km southwest of Tofino, Bc Off Coast Of  
 Washington  
 NEIC 05 10:47:32.3,2.0,47:57N:0:06:128:97W:0:09,h10km,1km,  
 mb4.4/30,ML3.6/54,Mw4.6(OTT), Error ellipse:  
 s-maj=10.4km s-min=10.1km az=193.0  
 GCMT 05 10:47:35.9,0.4,47:62N:0:03:128:84W:0:04,h24km,2km,  
 Mw4.7/70, Moment Tensor Solution, s10,c11; s70,c90;  
 Duration: 0 Moment tensor: Scale 10<sup>19</sup>Nm; Mw=0.52±.15;  
 M<sub>0</sub>=0.67±.09; M<sub>1</sub>=1.39±.10; M<sub>2</sub>=0.16±.14; M<sub>3</sub>=0.47±.07;  
 M<sub>4</sub>=0.26±.10; Best double couple: M<sub>1</sub>:1.2580×10<sup>16</sup>  
 N<sub>1</sub>:1.146.0000°; S<sub>1</sub>:176.0000°; N<sub>2</sub>:  
 0.55.0000°; S<sub>2</sub>:86.0000°; λ=16.0000°. Principal axes: T  
 1.5270, Plg8.0000°. Azm102.0000°; N -0.5380,  
 Plg74.0000°, Azm221.0000°; P -0.9880, Plg14.0000°.  
 Azm10.0000°; nsta1 refers to body waves, cutoff=40s.  
 nsta2 refers to surface waves, cutoff=50s. Triangular  
 moment-rate function  
 IDC 05 10:47:36.9,1.4,47:72N:128:37W,h0km,mb4.1/5,  
 mbmp4.2/14,ML3.5/8,MS3.6/47 Error ellipse:  
 s-maj=30.9km s-min=11.7km az=65.0  
 ISC 05 10:47:33.4,0.7,47:70N:0:06:128:79W:0:06,h10km,  
 Mw=1.836/153,mb4.4/7,MS3.6/38, Off coast of  
 Washington

YBH	Yreka Blue Hor	7.37 142	Pn	Pn	10 49 24.4 +3.3
YBH	comp=N,0.4nm,0.3s,baz=1.2,slow=4.6,SNR=26		LR	LR	10 51 43.7
YBH	Yreka Blue Hor	7.37 142	Pn	Pn	10 49 25.3 +4.2
YBH	Lincoln Mounta	7.44 100	Pn	Pn	10 49 23.4 +1.4
K05A	Summer Lake	7.47 129	Pn	Pn	10 49 26.2 +3.6
M02C	Callahan	7.60 144	Pn	Pn	10 49 22.8 -1.5
NEW	Newport	7.85 82	Pn	Pn	10 49 27.5 -0.1
NEW	comp=N,0.6nm,0.2s,baz=277,slow=13,SNR=11		LR	LR	10 52 36.6
NEW	comp=N,1.6nm,20.6s,baz=273,slow=40		LR	LR	10 54 21.0
NEW	comp=N,6.6nm,0.8s		AML	AML	
M03C	McCloud	8.00 141	Pn	Pn	10 49 30.5 +0.8
KHMM	Hayfork Bally	8.00 148	Pn	Pn	10 49 28.8 -2.3
F10A	Beach Ranch, E	8.12 96	Pn	Pn	10 49 32.3 +1.0
J08A	Circle Bar Ran	8.44 117	Pn	Pn	10 49 38.3 +2.5
HATC	Hat Creek Radi	8.66 140	Pn	Pn	10 49 37.9 -0.9
O02D	Mt. Diablo Mer	8.68 148	Pn	Pn	10 49 36.5 -2.5
LDM	Libby Dam	9.05 80	Pn	Pn	10 49 45.0 +0.8
JTMT	Jette	9.78 84	Pn	Pn	10 49 53.3 -0.9
OVAND	Ovando	10.73 86	Pn	Pn	10 50 05.0 -2.1
DLBC	Desse Lake	10.78 337	Pn	Pn	10 50 11.2 +3.5
DLBC	comp=N,0.2nm,0.3s,baz=176,slow=13,SNR=4.4		LR	LR	10 54 21.0
DLBC	comp=N,21.6nm,21.7s,baz=160,slow=38		LR	LR	10 54 21.0
DLBC	comp=N,3.1nm,0.1,0.9s		AML	AML	
DLBC	HLID	10.88 107	Pn	Pn	10 50 08.4 -0.8
DLMD	Hailion	11.40 96	Pn	Pn	10 50 17.7 +1.4
NVAR	Minia Array	12.02 137	Pn	Pn	10 50 28.3 +3.4
NVAR	comp=N,0.2nm,0.3s,baz=913,slow=11,SNR=39		LR	LR	10 54 57.0
NVAR	comp=N,357nm,18.7s,baz=320,slow=36		LR	LR	10 54 57.0
NVAR	comp=N,14nm,1.2s		AML	AML	
NVAR	Minia Array	12.02 137	Pn	Pn	10 50 24.1 -0.7
NBC1	NorthernBC 1	12.33 12	Pn	Pn	10 50 33.7 +4.9
YHE	Hebgen Lake	12.51 97	Pn	Pn	10 50 33.3 +1.7
YHL	Yellowstone Lo	13.25 95	Pn	Pn	10 50 42.3 +0.6
PDAR	Pinedale Array	14.41 103	Pn	Pn	10 51 08.8 +3.3
PDAR	baz=296,slow=11,SNR=36		LR	LR	10 56 40.7
PDAR	comp=N,521nm,18.8s,baz=296,slow=38		LR	LR	10 56 40.7
PDAR	comp=N,14nm,1.2s		Pn	Pn	10 50 58.4 +0.8
OSM	Queen of Sheba	14.69 139	Pn	Pn	10 50 57.9 -3.3
CCUT	Cedar City	15.02 126	Iamb	Iamb	10 51 10.6 +2.4
CCUT	comp=N,12nm,1.1s		Iamb	Iamb	10 51 18.8
U15A	North Rim	16.61 127	Pn	Pn	10 51 25.3 -1.2
U15A	comp=N,238nm,1.2s		Iamb	Iamb	10 51 36.4
YKA	Yellowknife Ar	16.83 23	Pn	Pn	10 51 30.7 -0.3
YKA	comp=N,0.1nm,0.3s,baz=210,slow=12,SNR=7.5		AML	AML	
YKA	comp=N,3.4nm,0.7s		AML	AML	
PFO	Pinyon Flats O	16.87 142	Pn	Pn	10 51 33.6 +1.9
PFO	comp=N,0.1nm,0.3s,baz=327,slow=13,SNR=10.0		LR	LR	10 57 46.2
PFO	comp=N,102nm,20.7s,baz=320,slow=36		AML	AML	
PFO	comp=N,5.5nm,1.1s		AML	AML	
PFO	Pinyon Flats O	16.87 142	P	P	10 51 30.2 +0.5
PFO	Palm Desert	16.87 142	P	P	10 51 29.2 +0.3
PMO	Iron Mountain	16.98 138	P	P	10 51 31.1 +0.2
PV19	Morning Glory	17.22 116	P	P	10 51 34.5 +0.4
PV18	Skein Mesa, Pa	17.31 116	P	P	10 51 34.7 -0.5
PKV1	Kodiak Island	17.49 314	LR	LR	10 56 25.0
PKV1	comp=N,380nm,20.3s,baz=175,slow=11,slow=30		Pn	Pn	10 51 39.5 +0.8
FFC	Flin Flin	18.13 57	P	P	10 51 45.9 +0.5
MDND	Madcock	19.57 79	P	P	10 52 01.5 +0.2
IL31		19.71 337	P	P	10 52 03.1 -0.7
IL31	Eielson Array	19.71 337	Pn	Pn	10 52 07.6 +3.5
ILAR	comp=N,0.1nm,0.3s,baz=150,slow=11,SNR=11		LR	LR	10 58 53.7
ILAR	comp=N,146nm,18.6s,baz=90,slow=34		AML	AML	
ILAR	comp=N,4.1nm,1.1s		AML	AML	
ILAR	Eielson Array	19.71 337	P	P	10 52 00.7 -1.9
H27K	Steamboat Moun	19.75 345	P	P	10 52 02.8 -0.3
N19K	Bonanza Creek	19.76 321	P	P	10 52 02.3 +1.1
N19K	comp=N,30nm,1.3s		Iamb	Iamb	10 52 08.8
M20K	Styx River	19.79 325	P	P	10 52 03.5 -0.1
M20K	comp=N,33nm,1.4s		Iamb	Iamb	10 52 12.7
PIX	Pinacate	19.92 139	P	P	10 52 02.9 -2.3
PIX	comp=N,233nm,1.5s		Iamb	Iamb	10 52 16.1
CAST	Castle Rocks	20.34 329	P	Pn	10 52 10.6 -1.0
L19K	White Mountain	20.36 324	P	P	10 52 12.8 +0.1
INK	Inuvik	20.80 355	P	P	10 52 18.6 +1.8
INK	comp=N,6.5nm,1.2s,baz=228,slow=4.1,SNR=3.5		LR	LR	10 59 27.7
INK	comp=N,116nm,21.8s,baz=226,slow=34		P	P	10 52 15.4 +0.8
INK	comp=N,6.5nm,1.2s		Iamb	Iamb	10 52 22.0
H24K	Noodor Dome	20.81 338	P	P	10 52 16.5 -0.3
H24K	comp=N,16nm,1.2s		Iamb	Iamb	10 52 22.5
TASM	ASL Pad, Albuq	20.97 119	P	P	10 52 16.5 -0.3
TASM	comp=N,255nm,1.3s		Iamb	Iamb	10 52 22.5
TASM	ASL Pad, Albuq	20.97 119	P	P	10 52 16.5 -0.3
TASM	comp=N,255nm,1.3s		Iamb	Iamb	10 52 22.5
ANMO	Albuquerque	20.98 119	P	P	10 52 18.6 +1.8
ANMO	comp=N,10nm,1.1s,baz=307,slow=11,SNR=19		LR	LR	11 00 41.0
ANMO	comp=N,176nm,20.7s,baz=310,slow=38		P	P	10 52 16.3 -0.5
ANMO	comp=N,10nm,1.1s		Iamb	Iamb	10 52 23.3
ANMO	Albuquerque	20.98 119	P	P	10 52 15.3 -1.4
ANMO	comp=N,18nm,1.2s		Iamb	Iamb	10 52 32.3
K20K	Telida	21.00 328	P	P	10 52 14.9 -1.8
K20K	comp=N,16nm,1.1s		Iamb	Iamb	10 52 19.1 +1.1
SDPT	Sand Point	21.00 303	P	P	10 52 31.4
L18K	Granite Mounta	21.39 323	P	P	10 52 24.6 +0.8
L18K	comp=N,28nm,1.3s		Iamb	Iamb	11 01 15.5
ULM	Lac du Bonnet	21.66 71	P	P	10 52 23.9 +0.1
ULM	comp=N,14nm,1.1s,baz=280,slow=11,SNR=6.8		Iamb	Iamb	10 52 29.0
ULM	comp=N,294nm,18.0s,baz=258,slow=38		P	P	10 52 25.4 +0.8
ULM	comp=N,14nm,1.1s		Iamb	Iamb	10 52 24.5 -0.7
F25K	Christian River	21.74 343	P	P	10 52 26.2 -0.5
H22K	Ishlatina Cre	21.80 335	Iamb	Iamb	10 52 26.9 -1.0
H22K	comp=N,11nm,1.2s		Iamb	Iamb	10 52 31.6
J19K	Poorman	21.94 328	P	P	10 52 26.2 -0.5
J18K	Innoko River	22.04 326	P	P	10 52 26.9 -1.0
J18K	comp=N,21nm,1.2s		Iamb	Iamb	10 52 38.7
K17K	Iditarod	22.28 323	P	P	10 52 31.1 +0.7
VHRN	Van Horn	24.85 124	P	P	10 52 57.0 +0.9
TXAR	Lajitas Array	26.70 124	P	P	10 53 14.5 +1.7
TXAR	comp=N,2.4nm,0.9s,baz=312,slow=7.1,SNR=18		LR	LR	11 04 27.9
TXAR	comp=N,256nm,20.1s,baz=311,slow=38		P	P	10 53 13.6 +0.9
TXAR	comp=N,2.4nm,0.9s		LR	LR	11 03 36.3
LP1G	Lajitas Array	26.70 124	LR	LR	11 06 39.3
RES	Resolute Bay	30.70 17	LR	LR	11 06 39.3
SADO	Sadova	33.95 76	LR	LR	11 08 20.1
SADO	comp=N,463nm,19.8s,baz=320,slow=37		LR	LR	11 09 09.6
TKL	Tuckaleechee C	35.23 93	LR	LR	11 09 09.6
TKL	comp=N,98nm,19.5s,baz=322,slow=37		LR	LR	11 09 01.9
FRB	Frisher Bay	35.95 41	LR	LR	11 09 01.9
FRB	comp=N,468nm,18.5s,baz=266,slow=36		LR	LR	11 05 41.3
SHEM	Shemaya Is, Ala	36.06 300	LR	LR	11 05 41.3
SHEM	comp=N,101nm,21.6s,baz=106,slow=30		LR	LR	11 05 39.8
SCHO	Schefferville	38.26 56	LR	LR	11 05 39.8
SCHO	comp=N,31nm,18.8s,baz=266,slow=36		LR	LR	11 04 52.2
CMIG	Matias Romero	41.28 126	LR	LR	11 04 52.2
CMIG	comp=N,74nm,18.0s,baz=343,slow=40		LR	LR	11 04 52.2
SFJD	Kangerlussuaq	42.90 34	LR	LR	11 05 91.9

comp=N,290nm,19.0s,baz=286,slow=36					
PETK	Petropavlovsk-	45.26 306	LR	LR	11 11 43.2
PETK	comp=N,92nm,20.9s,baz=72,slow=32		LR	LR	11 13 24.4
MA2	Magadan	46.22 316	LR	LR	11 19 13.3
MA2	comp=N,69nm,21.4s,baz=78,slow=33		LR	LR	11 19 13.3
TIXI	Tiksi	49.18 336	LR	LR	11 22 11.9
TIXI	comp=N,60nm,18.5s,baz=151,slow=38		LR	LR	11 22 11.9
JTS	Las Juntas de	52.38 121	LR	LR	11 19 29.0
JTS	comp=N,75nm,18.2s,baz=335,slow=40		LR	LR	11 20 44.8
YAK	Yakutsk	54.08 325	LR	LR	11 20 44.8
YAK	comp=N,116nm,20.9s,baz=54,slow=35		LR	LR	11 20 44.8
BORG	Borgames	54.61 30	LR	LR	12 00 46.3
BORG	comp=N,112nm,18.4s,baz=319,slow=36		LR	LR	12 00 46.3
H11N2	WAKE ISLAND Hy	58.45 265	T	T	12 00 44.1
H11N2	comp=N,116nm,19.7s,baz=265		T	T	12 00 44.1
H11N3	WAKE ISLAND Hy	58.45 265	T	T	12 00 44.5
H11N3	comp=N,116nm,19.7s,baz=265		T	T	12 02 01.6
H11N1	WAKE ISLAND Hy	58.45 265	T	T	12 02 01.6
H11N1	comp=N,116nm,19.7s,baz=265		T	T	12 02 01.6
H11S1	WAKE ISLAND Hy	59.44 264	T	T	12 02 01.1
H11S1	comp=N,116nm,19.7s,baz=264		T	T	12 02 01.1
H11S2	WAKE ISLAND Hy	59.45 264	T	T	12 02 01.1
H11S2	comp=N,116nm,19.7s,baz=264		T	T	12 01 59.4
H11S3	WAKE ISLAND Hy	59.45 264	T	T	12 01 59.4
H11S3	comp=N,116nm,19.7s,baz=264		T	T	11 25 54.2
NR1K	Nori'sk	60.24 346	LR	LR	11 25 54.2
NR1K	comp=N,116nm,19.7s,baz=264		LR	LR	11 25 26.6
ARCES	ARCCESS Array B	61.56 10	LR	LR	11 25 26.6
ARCES	comp=N,19nm,19.4s,baz=290,slow=37		LR	LR	11 29 14.3
SDV	Santo Domingo	62.27 108	LR	LR	11 29 14.3
SDV	comp=N,38nm,18.0s,baz=286,slow=40		LR	LR	11 27 37.3
NOA	NORR Array B	66.90 20	LR	LR	11 26 47.6
NOA	comp=N,16nm,18.4s,baz=335,slow=36		LR	LR	11 26 35.1
EKA	Eskdalemir Ar	67.64 30	LR	LR	11 26 35.1
EKA	comp=N,65nm,18.7s,baz=358,slow=35		LR	LR	11 29 21.2
HFS	Hafsløen	68.27 19	LR	LR	11 29 21.2
HFS	comp=N,43nm,20.9s,baz=328,slow=34		LR	LR	11 35 58.1
FINES	FINESS Array B	69.34 13	LR	LR	11 35 58.1
FINES	comp=N,30nm,18.3s,baz=46,slow=36		LR	LR	11 35 09.3
KIRV	Kirov	74.06 1	LR	LR	11 37 40.9
KIRV	comp=N,17nm,19.2s,baz=23,slow=33		LR	LR	11 37 40.9
ARTI	Arti	76.11 356	LR	LR	11 37 40.9
ARTI	comp=N,23nm,20.0s,baz=21,slow=38		LR	LR	11 28 09.0
MDP	Montagnes des	76.93 97	LR	LR	11 28 09.0
MDP	comp=N,39nm,18.2s,baz=26,slow=39		LR	LR	11 36 10.4
GUMO	Guam	77.64 27	LR	LR	11 36 10.4
GUMO	comp=N,114nm,19.8s,baz=135,slow=31		LR	LR	11 36 39.1
GERES	GERESS Array B	78.48 24	LR	LR	11 36 39.1
GERES	comp=N,28nm,18.1s,baz=332,slow=37		LR	LR	11 34 37.1

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like KZH Kahutara, AULRC Lighting Ridg, ALOT Alotau, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like QSPA South Pole Qui, ASAJ Asahikawa, KSRS Kourou, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like BIOA Bad Ischl, SOKA Soboth, ITM Koba, etc.

IDC 05 11:03:30.8z 1.1, 231.31Sx175.39W, h0km, mb4.2/9, mbmp4.2/9, Error ellipse: s-maj=45.3km s-min=24.5km

ISC 05 11:03:50.0z 0.9, 233.50Sx175.22W, h29km, n12, s=1835/12, mb4.4/9, Tonga Islands region

Code Station Name X AZZ Phase ID Time Res ISC h m s ISC

MSVF Nonsavu 8.531 11 Pn 11 05 38.1 +1.4

ASAR Malin Arr Be 46.40 21 P 11 11 58.1 -1.2

WRA Warramunga Arr 46.79 264 P 11 12 00.1 -2.2

SIJI Sorong 56.50 285 P 11 13 13.7 -1.3

MAW Mawson 79.59 199 P 11 15 41.2 +2.2

NVAR Mina Array Bea 81.50 42 P 11 15 49.3 -0.7

USRK Ussuriysk Arr 82.90 325 P 11 15 57.2 +0.3

TXAR Lajitans Array 86.56 56 P 11 16 15.5 -0.3

ILAR Eielson Array 90.70 12 P 11 16 34.5 0.0

CMAR Chiang Mai Arr 93.52 288 P 11 16 49.6 +1.0

AKASG Malin Arr Be 146.88 331 PKPb 11 23 12.3 -0.1

BRTR Keskin Array B 150.75 310 PKPb 11 23 24.5 -0.4

HEL 05 11:14:45.6z 0.1, 60.05Nx27.10E, h0km, ML2.0, Exploion

IDC 05 11:14:46.3z 1.7, 60.09Nx27.12E, h0km, mbmp3.2/3, ML2.5/2, Error ellipse: s-maj=21.0km s-min=14.9km

ISC 05 11:14:43.2z 0.8, 60.070Nx27.130E, h0km, n31, s=1942/47, Finland-Karelia border region

Code Station Name X AZZ Phase ID Time Res ISC h m s ISC

VJF Virojoki 0.51 24 eP 11 14 55.5 +0.4

PVF Pernaja 0.79 307 eP 11 14 60.0 +0.2

ARBE Arbavere 0.86 223 eP 11 15 10.0 +1.5

ARBE Arbavere 0.85 223 eP 11 15 00.8 -0.2

VUOS Vuosaari Helsi 1.00 278 eP 11 15 10.7 -0.1

VUOS Vuosaari Helsi 1.13 276 eP 11 15 03.6 +0.3

HEL1 Helsinki 1.13 276 eP 11 15 14.6 -0.7

LAUT Lautasaari He 1.14 275 eP 11 15 06.1 +0.3

LAUT Laitasaari He 1.20 273 eP 11 15 02.1 +0.3

HEL5 Espoo, Suvisa 1.20 273 eP 11 15 07.0 +0.3

NUR Nurmijarvi 1.31 291 eP 11 15 08.0 +0.3

MEF Metsahovi 1.37 277 eP 11 15 25.8 +0.6

MEF Metsahovi 1.37 277 eP 11 15 11.8 +2.1

MEF Metsahovi 1.37 277 eP 11 15 10.2 +0.5

FINES FINESS Array B 1.47 340 Pg 11 15 28.5 +0.1

FINES FINESS Array S 1.47 340 Pg 11 15 11.6 +0.3

FIA1 FINESS Array S 1.47 340 eP 11 15 11.7 +0.3

FIA1 FINESS Array S 1.62 33 eP 11 15 31.4 +0.6

RUF Ruokolahti 1.62 33 eP 11 15 14.5 +0.4

VSU Vasula 1.63 187 eP 11 15 36.6 +1.2

VSU Vasula 1.63 187 eP 11 15 14.6 +0.2

VSU Vasula 1.63 187 eP 11 15 14.0 -0.1

TVF Tvarminne 1.96 265 eP 11 15 33.5 -1.2

TVF Tvarminne 1.96 265 eP 11 15 20.2 +0.4

TVF Tvarminne 1.96 265 eP 11 15 45.0 +0.2

KAF Kangasniemi 2.08 349 eP 11 15 45.6

KAF Kangasniemi 2.08 349 eP 11 15 23.3 +0.4

KAF Kangasniemi 2.08 349 eP 11 15 50.1 -0.1

MTSE Matsula 2.17 233 eP 11 15 51.1

MTSE Matsula 2.17 233 eP 11 15 23.2 -0.2

MTSE Matsula 2.17 233 eP 11 15 51.6 +0.8

KEF Keuruu 2.37 333 eP 11 15 25.8 -0.9

KEF Keuruu 2.37 333 eP 11 15 27.5 +0.6

KEF Keuruu 2.37 333 eP 11 15 09.9 +0.3

KEF Keuruu 2.37 333 eP 11 15 00.1 -0.3

SUF Sumiainen 2.70 350 eP 11 16 00.1

SUF Sumiainen 2.70 350 eP 11 15 32.0 +2.4

SUF Sumiainen 2.70 350 eP 11 15 14.4 -0.9

RAF Rauma 2.81 292 eP 11 16 07.4 +1.5

JOF Joensuu 3.49 33 eP 11 15 32.4 -1.9

SLAT Siltvere, Latvi 3.51 228 eP 11 15 41.1 +2.2

VLF Ylistaro 3.66 326 eP 11 15 43.5 +2.4

NOA NORES Array B 7.90 284 Pn 11 16 40.6 +1.3

AKASG Malin Arr Be 9.57 317 Pn 11 17 00.8 +1.0

ARCES ARCESS Array B 9.53 357 Pn 11 17 01.5 0.0

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TSSP Tandag City, CDOP Cateel, DAV Davao City, etc.

KRSC 05 11:57:41.8-1.6, 49.84N; 157.14E, h51km, 25km, MI3.6, East of Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SKR Severo-Kuril's, PAU Pauzhetka, etc.

Table with columns: SDR, Sedlovina, 3.61 17 eP, Pn, 11 58 38.5 +3.2, etc.

NEIC 05 12:01:38.7±1.6, 12.52°N, 0.08±142.26°E, 0.09, h86km, 6km, mb4.6/54, Error ellipse: s-maj=12.8km s-min=11.2km az=115.0

IDC 05 12:01:43.2±1.4, 12.52°N, 142.249°E, h140km, 14km, mb3.9/16, mbtmp4.3/19, MS2.7/3, Error ellipse: s-maj=16.2km s-min=10.9km az=68.0

ISC 05 12:01:39.4±0.4, 12.55°N, 0.06±142.27°E, 0.06, h100km, n92, c=1502.90, mb4.4/43, South Mariana Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GUMO Guam, GUMU GUMU, etc.

NEIC 05 12:07:35.8±1.6, 16.60°S, 0.07±69.76°W, 0.08, h192km, 4km, mb4.3/16, Error ellipse: s-maj=13.0km s-min=8.1km az=124.0

IDC 05 12:07:38.3±1.0, 16.42°S, 69.36°W, h201km, 6km, mb3.4/7, mbtmp3.9/8, Error ellipse: s-maj=21.1km s-min=19.0km az=170.0

ISC 05 12:07:35.3±0.7, 16.57°S, 0.07±69.66°W, 0.07, h191km, 7km, n51, c=1931/57, mb4.2/9, Peru-Bolivia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CTA Charters Tower, USA00 USSuriy Arra, etc.

Table with columns: ILAR Eielson Array, PAX Paxon, RIDG independent R, etc.

NEIC 05 12:07:35.8±1.6, 16.60°S, 0.07±69.76°W, 0.08, h192km, 4km, mb4.3/16, Error ellipse: s-maj=13.0km s-min=8.1km az=124.0

IDC 05 12:07:38.3±1.0, 16.42°S, 69.36°W, h201km, 6km, mb3.4/7, mbtmp3.9/8, Error ellipse: s-maj=21.1km s-min=19.0km az=170.0

ISC 05 12:07:35.3±0.7, 16.57°S, 0.07±69.66°W, 0.07, h191km, 7km, n51, c=1931/57, mb4.2/9, Peru-Bolivia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Code Station Name, AP11 IPOC Station P, etc.

5d 13h

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Lists various stations like MORE, AIZAWI, SAHAI, etc.

IDC 05 12:26:54.0, 6.8, 29S, 149.82E, h0km, mb3.9/7, mbmp4.09, ML 1.7/1, MS2.7/1, Error ellipse: s-maj=38.7km s-min=12.9km az=125.0

ISC 05 12:26:59.3, 0.8, 63S, 0.2, 149.8E, 0.2, h35km, n11, s136/11, mb3.9, New Britain region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Lists stations like KRVT, PMG, ASAR, GUMU, etc.

2020 OCT

PGC 05 12:36:44.5, 0.1, 47.53N, 129.06W, h10km, ML SN2.9/10, Mw3.5/10, 294km southwest of Tofino, Bc Off Coast Of Washington, Off coast of Washington

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Lists stations like KEMO, KEMF, NEPTUNE, etc.

MOS 05 13:03:31.5, 1.0, 15.64S, 167.82E, h113km, mb4.9/26, Error ellipse: s-maj=10.8km s-min=7.7km az=131.4

NEIC 05 13:03:34.6, 1.3, 15.61S, 0.06, 167.81E, 0.07, h121km, 4km, mb5.0/65, Error ellipse: s-maj=10.3km s-min=8.1km az=101.0

NOU 05 13:03:34.2, 1.5, 58S, 167.86E, h125km, mb4.9/59, Vanuatu Islands

BJI 05 13:03:35.1, 1.4, 98S, 167.65E, h120km, mb5.0/11, mb5.0/52

IDC 05 13:03:36.1, 1.6, 15.64S, 167.89E, h136km, 1.1km, mb4.4/28, mbtkm 4.8/31, MS3.8/3, Error ellipse: s-maj=12.0km s-min=9.6km az=104.0

ISC 05 13:03:34.3, 0.4, 15.59S, 0.04, 167.80E, 0.05, h125km, 3km, h125km, pP-P, n322, s191/3736, mb5.0/84, 17C-8D, Vanuatu Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Lists stations like SANVU, DVP, MARNC, etc.

DZM 120nm, 0.6s, baz=142, slow=24, SNR=8

NOUC Port Laquerre 6.63 192 S S

ONTCO Ouen Toro 6.80 191 S S

ONTCO Ouen Toro 6.80 191 S S

ONTCO Ouen Island, N 6.80 191 S S

HURO Huro Makira 7.67 317 P P

NGAO NGAO Renbel 8.52 297 P P

HNR Honiara 9.80 308 P P

HNR Honiara 9.80 308 P P

MSVF Nonsavu 10.06 104 P P

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Large table with columns: WRA, PpP, PpP, 13 12 36.4 -0.1, etc. Lists various stations and their associated data.



5d 13h

Table with columns: TVF, comp, station name, Az, Phase, ID, Time, Res. Includes stations like Matsuia, Kankapaa, Rauma, Romuvaara, Ylistaro, etc.

PGC 05 13:14:01.4+1.9, 47:56N:129:05W, h10km, MLSn2.8/14, M3.3/14, 291km southwest of Tolino, Bc Off Coast Of Washington

IDC 05 13:14:04.1+3.4, 47:54N:128:86W, h0km, mb3.1/1, mbmtmp3.1/4, ML3.8/2, MS2.5/1, Error ellipse: s-maj=69.5km s-min=21.6km az=58.0

NEIC 05 13:14:07.3+1.6, 47:92N:128:49W, h10km, 2km, mb3.7/3, ML2.9/18, Error ellipse: s-maj=13.2km s-min=6.7km az=320.0

ISC 05 13:14:03.0-9, 47:76N:128:76W, h0km, n49, r153/44, Off coast of Washington

Main station list table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like NEPTUNE Canada, Mount Grey, Newcastle Ridg, etc.

NNC 05 13:21:21.5-6.6, 37:34N:71:21E, h0km, mb3.7, mpv3.4, 1C-3D, Error ellipse: s-maj=70.3km s-min=41.0km

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Karatay Array, Aak, Akbulak array, etc.

IDC 05 13:27:32.3+1.7, 44:79N:9:82E, h0km, mbtmp3.7/4, ML3.4/4, Error ellipse: s-maj=35.1km s-min=18.2km az=108.0

BGR 05 13:27:35.0-4, 44:66N:9:68E, h10km, ML3.8/35, Error

2020 OCT

ellipse: s-maj=7.8km s-min=5.6km az=10.0 GEN 05 13:27:35.8, 44:59N:9:99E, h56km, 1km, ML3.8 LDG 05 13:27:35.3, 44:55N:9:92E, h61km ROM 05 13:27:35.4, 44:44:59N:9:005:9:896E:0:008, h68km, 1km, ML3.5/355, Error ellipse: s-maj=0.6km s-min=0.2km az=40.0

BNS 05 13:27:38.2, 0.5, 44:80N:9:95E, h65km, ML3.7 PRU 05 13:27:38.3, 45:02N:10:13E, h0km ISC 05 13:27:34.4-1.0, 44:58N:10:02:9:88E:0:02, h78km, 4km, n287, r1972/395, 10C-21D, Northern Italy

Main station list table for 2020 OCT with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Graiana, Neviانو degli, Bobbio (Coli), etc.

Main station list table for 2020 OCT with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Ronca, Sant'Ol, Genova Univers, etc.









5d 14h

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Montemonaco, Montefalcone A, MF5, etc.

2020 OCT

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Echery, Sos Enattos, SENA, etc.

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Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, h, m, s, ISC. Includes station information for Philippines Islands region and various other stations.







MMB	Musomishta	1.65 344	AML	AML	14 55 39.1 +0.2
MMB	Lokris	1.67 219	P	Pn	14 55 38.3 -0.8
LKR	Lokris	1.67 219	P	Pn	14 55 38.0 -1.1
GELI	Tayfur-Gelibol	1.69 74	Ph	AML	14 55 39.4 +0.1
BAYC	CANAKKALE_Bayr	1.71 97	P	Pn	14 55 39.6 -0.1
BAYC	Rozhen	1.76 10	P	Pn	14 55 59.0 -2.2
RZN	Rozhen	1.76 10	P	Pn	14 55 40.3 -0.2
RZN	Rozhen	1.76 10	P	Pn	14 55 40.5 0.0
AXAR	Agios Charalam	1.77 228	P	AML	14 55 40.3 -0.1
AXAR	Agios Charalam	1.77 228	P	Pn	14 55 40.4 -0.1
AXAR	Agios Charalam	1.77 228	P	AML	14 55 40.4 -0.1
GRG	Griva	1.79 305	P	Pn	14 55 41.0 +0.2
GRG	Erikli-Kesan	1.80 246	Ph	AML	14 55 40.5 -0.4
ERIK	Agios Georgios	1.82 240	P	Pn	14 55 40.9 -0.3
AGG	Agios Georgios	1.82 240	P	AML	14 55 40.6 -0.6
AGG	Agios Georgios	1.82 240	P	AML	14 55 40.6 -0.6
KDZ	Kurdzhali	1.83 24	Ph	Pn	14 55 41.0 -0.4
KDZ	Kurdzhali	1.83 24	P	Pn	14 55 40.7 -0.7
KDZ	Kurdzhali	1.83 24	P	AML	14 55 40.9 -0.4
THL	Klokotos Trika	1.84 258	P	Pn	14 55 41.2 -0.2
STFN	Stefani	1.89 200	P	Pn	14 55 41.7 +0.4
STFN	Stefani	1.89 200	P	AML	14 55 41.8 -0.4
STFN	Lapseki	1.90 77	P	AML	14 55 42.2 0.0
LPK	Dionisos Attik	1.90 190	P	Pn	14 55 41.3 -1.0
DION	Dionisos Attik	1.90 190	P	AML	14 55 41.6 -0.8
DAY	Valandovo	1.92 316	ePh	Pn	14 55 47.6 +0.4
AYV	Ayvalik	1.92 109	P	Sg	14 55 42.8 +0.3
AYVA	Ayvalik	1.92 109	P	S	14 56 04.7 -1.8
KARY	Karystos	1.92 178	P	Pn	14 55 41.6 -1.0
KARY	Karystos	1.92 178	P	AML	14 55 42.0 -0.5
KARY	Lapseki, ANA	1.93 80	S	Pn	14 55 41.9 -0.9
LAPS	Penteli	1.94 191	P	Pn	14 55 42.3 -0.6
PTL	Villia	1.96 205	P	Pn	14 55 42.5 -0.7
VILL	Villia	1.96 205	P	S	14 56 07.1 -0.5
VILL	Kozani	2.01 281	P	Pn	14 55 44.1 +0.3
KZN	Athens Univer	2.04 193	P	Pn	14 55 43.3 -0.8
ATHU	Chios Island	2.06 139	P	AML	14 55 44.3 -0.2
CHOS	Chios Island	2.06 139	P	Pn	14 55 44.5 0.0
CHOS	Chios Island	2.06 139	P	AML	14 55 44.2 -0.2
KARB	zmir-Karabur	2.06 128	P	Pn	14 55 44.9 +0.2
KARB	zmir-Karabur	2.06 128	P	S	14 55 44.9 +0.2
CANM	Can-anakkale	2.08 88	Ph	Pn	14 55 45.6 +0.6
CANM	Krupnik	2.10 334	P	Pn	14 55 45.1 +0.1
KKB	Uzunokpru-Edir	2.10 55	Ph	AML	14 55 45.7 +0.2
UKOP	Pehcevo	2.12 329	ePh	Pn	14 55 45.3 -0.1
PEHC	Edremet-Balk	2.13 98	Ph	Pn	14 55 45.1 -0.5
YAYO	Voula,Athens	2.15 192	P	AML	14 55 46.1 +0.3
VLY	Balikesir, Bur	2.15 101	P	S	14 56 11.7 -0.5
BUAH	Dikili	2.17 113	Ph	Pn	14 55 46.1 +0.2
BUAH	Biga-Canakkale	2.17 81	Ph	Pn	14 55 46.3 +0.3
DKL	Biga-Canakkale	2.21 8	Ph	Pn	14 55 46.9 +0.4
BIGA	Plovdiv	2.21 8	P	AML	14 55 46.9 +0.4
PLD	Plovdiv	2.21 8	P	AML	14 55 46.9 +0.4
PLD	Plovdiv	2.21 8	P	Pn	14 55 46.8 +0.3
PLD	Plovdiv	2.21 8	ePh	Pn	14 55 46.8 +0.3
PLD	Plovdiv	2.21 8	eS	Sg	14 56 13.2 -0.3
PLD	Plovdiv	2.21 8	eS	Sg	14 56 20.5 -0.9
LTK	Loutraki	2.21 210	P	Pn	14 55 45.8 -0.8
EVY	Evyrotania	2.22 243	P	Pn	14 55 46.7 -0.1
EVY	Yenice-Canakka	2.23 90	Ph	Pn	14 55 47.1 +0.4
YENI	Sarkoy-Tekirda	2.28 70	Ph	Pn	14 55 48.0 +0.4
RKY	Dimitrovgrad	2.29 24	P	Pn	14 55 47.5 0.0
DIM	Dimitrovgrad	2.29 24	P	AML	14 55 47.8 +0.3
DIM	Karabiga-Canak	2.30 78	Ph	Pn	14 55 48.2 +0.4
KRBG	Kalitheia	2.32 228	P	Pn	14 55 47.8 -0.3
KALE	Thalero	2.32 215	P	AML	14 55 47.2 -0.9
THAL	Ano Chora	2.32 235	P	AML	14 55 48.2 0.0
ANX	Zmir-Bergama	2.33 114	P	Pn	14 55 49.0 +0.7
ZEDA	Foa	2.34 123	P	Pn	14 55 48.1 -0.2
BAGT	Sergoula	2.35 230	P	Pn	14 55 48.1 -0.2
SERG	Izmir, Urla-Ze	2.40 135	P	Pn	14 55 48.8 -0.3
ZEVE	Gazikoy-TEKIRD	2.41 70	Ph	Pn	14 55 49.8 +0.5
GAZK	Efpalio	2.44 232	P	AML	14 55 49.8 +0.5
GAZK	Efpalio	2.44 232	P	AML	14 55 49.8 +0.5
EFPA	Tetrakomo, Epi	2.45 257	P	AML	14 55 50.1 0.0
TETR	Gnen	2.47 86	P	Pn	14 55 50.8 +0.3
TETR	Vitkovou	2.50 233	P	Pn	14 55 50.7 -0.1
ATTK	Lakka	2.52 228	P	Pn	14 55 51.5 +0.6
LAKA	Balya	2.53 94	S	Pn	14 56 19.9 -1.6
BALY	Pramanda	2.54 261	P	Pn	14 55 51.7 +0.5
PRMD	Goura	2.55 218	P	Pn	14 55 50.6 -0.7
PRMD	Panagyurishte	2.56 357	P	Pn	14 55 52.3 +0.9
GUR	Kalavryta, Ach	2.56 223	P	Pn	14 55 51.3 -0.2
PGB	Gonen-Balikesi	2.57 87	Ph	Pn	14 55 52.0 +0.6
KLV	Marmara Adasi	2.57 74	Ph	Pn	14 55 51.7 +0.2
GONE	Soma-Manisa	2.59 107	P	AML	14 55 52.1 +0.3
MRMT	Merkez	2.60 117	P	Sb	14 55 50.3 -1.5
SOMA	Plana	2.61 345	P	Sb	14 56 30.9 +2.6
CAMT	Blacova	2.62 126	Ph	Pn	14 55 52.3 +0.4
PLNA	Edirne	2.62 43	Ph	Pn	14 55 52.9 +0.7
BLCB	BALIKESIR_Sava	2.67 101	P	Pn	14 55 53.7 +0.9
EDRB	Edincik	2.72 81	Ph	Pn	14 56 27.2 +2.3
EDRB	Edincik	2.72 81	Ph	Pn	14 55 54.3 +0.7
STEP	Balikesir	2.74 96	Ph	AML	14 55 54.2 +0.4
EDC	Balikesir	2.74 96	Ph	AML	14 55 53.9 +0.1
BALB	zmir	2.74 96	P	Pn	14 55 54.0 +0.2
BALB	Balikesir-Mer	2.77 93	P	Pn	14 55 54.5 +0.3
DGB	Manyas	2.78 88	S	Pn	14 55 54.5 +0.1
BKES	Vitosha	2.79 343	P	Pn	14 55 55.1 +0.5
CMHT	Vitosha	2.79 343	P	AML	14 55 55.3 +0.7
CHMT	Vitosha	2.79 343	ePh	Pn	14 56 26.9 -1.2
VTS	Drossia	2.87 227	P	Pn	14 55 55.8 +0.2
VTS	Susurluk-Balik	2.87 89	P	AML	14 55 56.4 +0.8
DRO	Akhisar	2.89 111	P	AML	14 55 55.6 -0.3
DRO	Bosilegrad	2.90 332	ePh	Pn	14 55 57.0 +0.9

BOSS	Balkesir-Ban	2.90 81	eS	Sn	14 56 31.2 +0.5
BOSS	Araxos	2.91 234	P	Pn	14 56 43.9 +0.3
BAND	Vlachokerasia	3.01 211	P	Pn	14 55 56.7 +0.6
VLX	Aspiranthos	3.03 162	P	Pn	14 55 57.0 +0.9
AXS	Aspiranthos	3.03 162	P	Pn	14 55 57.0 -0.6
APF	Aspiranthos	3.03 162	P	Pn	14 56 06.7 -1.1
APF	Igoumenitsa	3.03 162	ePh	Pn	14 55 57.0 -0.8
IGT	Igoumenitsa	3.03 162	ePh	Pn	14 56 02.0 +2.9
APF	Gordes-Manisa	3.15 108	Pn	Pn	14 55 59.9 +0.4
GORD	Salihli	3.17 112	AML	AML	14 56 00.6 +0.8
KTTT	Gzelcaml?	3.19 134	P	Pn	14 55 59.2 -0.8
MPEP	Dursunbey	3.20 95	Pn	Pn	14 56 00.6 +0.3
DURS	Silivri	3.20 65	Ph	Pn	14 56 01.1 +0.9
SLVT	zmir-demi	3.34 122	AML	AML	14 56 02.7 +0.5
ZMR	Ithomi	3.36 215	Pn	Pn	14 56 03.6 +1.2
ITM	Ithomi	3.36 215	AML	AML	14 56 03.2 +0.9
ITM	Kestanelik-??a	3.42 67	Ph	Pn	14 56 04.1 +1.0
CTKS	Malo Peshtene	3.43 353	AML	AML	14 56 04.7 +1.4
CTKS	Barje	3.43 327	ePh	Pn	14 56 04.1 +0.7
BARS	Pleven	3.43 3	ePh	Sg	14 56 59.6 -1.7
BARS	Demirci	3.50 104	P	Pn	14 56 04.1 +0.8
PLVB	Demirci	3.50 104	P	Pn	14 56 04.4 +0.1
DEMI	Kerkira	3.51 267	Pn	Sb	14 56 54.0 -0.5
DEMI	Kerkira	3.51 267	Pn	Pn	14 56 05.5 +2.1
KEK	Kerkira	3.51 267	Ph	Pn	14 56 05.1 +0.7
KEK	Zavoj	3.55 339	ePh	Pn	14 56 06.2 +1.1
ZAPS	Manisa	3.58 113	P	Pn	14 56 03.2 -2.4
MANI	Manisa	3.58 113	P	Pn	14 56 06.7 +1.0
AYDN	Tasoluk	3.59 129	P	Pn	14 56 06.2 +0.7
AYDN	zmir-Kiraz	3.61 118	P	Pn	14 56 06.7 +0.8
KIRA	Kayabasi	3.77 139	ePh	Pn	14 56 58.9 +1.2
BDRM	Kayabasi	3.77 139	ePh	Pn	14 56 08.8 +0.8
ESEN	Arkhangelos	3.82 114	P	Pn	14 56 09.5 +1.2
HAIRG	Razgrad	3.95 23	ePh	Pn	14 56 07.7 +1.7
HAIRG	NEVSHA	3.97 33	Pn	Pn	14 56 10.9 +0.2
RAZG	NEVSHA	3.97 33	Pn	Pn	14 56 10.7 +0.2
NEF	Selova	4.06 324	ePh	Pn	14 56 12.4 +0.4
SELS	Zajecar	4.16 338	ePh	Pn	14 56 13.8 +0.4
ZAGS	Bovan	4.17 333	ePh	Pn	14 56 12.9 -0.6
BOVS	Bovan	4.17 333	ePh	Pn	14 56 14.3 +0.6
BOVS	Tavas	4.35 123	ePh	Pn	14 57 22.6 -1.7
TAVA	DENIZLI Tavas	4.35 123	ePh	Pn	14 56 16.9 +0.9
GOCs	Kraljevo Serbi	4.44 325	ePh	Pn	14 56 17.7 +0.4
GOCs	Anoyia	4.68 175	eSg	Sg	14 57 31.0 -2.0
IDI	BORA Eskisehir	4.70 89	Pn	Pn	14 56 21.1 +0.5
BORA	Gruza	4.77 327	ePh	Pn	14 56 22.3 +0.4
GRUS	Arkhangelos	4.78 140	eSg	Sg	14 57 42.3 -1.2
GRUS	vanjica	4.79 320	ePh	Pn	14 56 22.7 +0.9
IVAS	ICOR In Corvin	4.89 31	ePh	Pn	14 56 22.5 +0.5
ICOR	KARP Karpathos	4.94 152	Ph	Pn	14 56 23.8 +0.5
KARP	HERR Herculeane	5.12 344	ePh	Pn	14 56 24.2 +0.1
HERR	TRUS Trudej	5.17 327	ePh	Pn	14 56 25.6 -1.0
TRUS	Divibare	5.25 323	ePh	Pn	14 56 29.5 +2.2
DIVB	BRLS Lazj&#263i	5.37 318	ePh	Pn	14 56 32.9 +0.1
BRLS	ARR Arges	5.41 2	ePh	Pn	14 56 31.5 +1.5
ARR	HARR Harsova	5.42 28	ePh	Pn	14 56 31.1 +0.5
HARR	VOIR Lotru	5.50 5	ePh	Pn	14 56 31.4 +0.7
VOIR	LOT Lotru	5.50 5	ePh	Pn	14 56 32.9 +0.3
LOT	GZR Gura Zlata	5.55 348	ePh	Pn	14 56 32.7 +0.1
GZR	NEHR Nehoiu	5.65 14	ePh	Pn	14 57 33.7 -2.5
NEHR	Muntele Rosu	5.65 11	Pn	Pn	14 56 34.6 +0.8
MUNTE	MLR 1.2nm,0.3s,baz=91,slow=23,SNR=20	5.65 11	Pn	Pn	14 56 35.8 +1.8
MLR	MLR 1.2nm,0.3s,baz=282,slow=23,SNR=4.7	5.65 11	Pn	Pn	14 58 16.2
MLR	MLR Muntele Rosu	5.65 11	ePh	Pn	14 56 34.9 +0.9
MLR	Muntele Rosu	5.65 11	ePh	Pn	14 56 34.9 +0.9
MLR	Muntele Rosu	5.65 11	ePh	Pn	14 56 34.4 +1.4
TEKS	Tekeris	5.82 324	ePh	Pn	14 56 36.0 -0.1
BISRR	Bisoca	5.85 17	ePh	Pn	14 56 38.1 +1.5
TIP	Timpangrande	5.92 265	Pn	Pn	14 56 38.1 +1.5
BZS	Buzias	6.00 341	ePh	Pn	14 56 38.5 +1.0
BZS	Buzias	6.00 341	ePh	Pn	14 56 37.8 -0.8
BZS	Buzias	6.00 341	ePh	Pn	14 56 37.9 +0.8
COVR	Voineasa-Covas	6.04 12	eSg	Sg	14 58 20.7 -2.3
COVR	DOPL Dopca	6.05 7	ePh	Pn	14 56 39.6 +0.4
DOPL	PLOR Plostinia	6.15 13	ePh	Pn	14 56 40.2 +0.8
PLOR	VRI Vrincoacia	6.16 16	ePh	Pn	14 56 41.8 +1.4
VRI	OZUR Vladesti	6.22 9	ePh	Pn	14 56 42.6 +1.3
OZUR	VLDR Baraj Valea U	6.49 24	ePh	Pn	14 56 42.8 +1.1
VLDR	ONER Onesti	6.55 13	ePh	Pn	14 56 46.9 +1.6
ONER	CEL Celeste	6.79 258	Pn	Pn	14 56 47.9 +1.8
CEL	BIZ Bicaz	7.09 10	ePh	Pn	14 56 50.6 +1.1
BIZ	BRTR Keskin Array B	7.16 89	Pn	Pn	14 56 55.4 +1.7
BRTR	MLR 0.9nm,0.4s	7.16 89	Pn	Pn	14 56 55.9 +1.3
MLR	BRTR Keskin Array B	7.16 89	AML	AML	14 58 16.2
BRTR	BURAR Bucovina Array	7.68 4	ePh	Pn	14 56 55.4 +0.8
BURAR	BUR08 Bucovina Ar. S	7.71 4	P	Pn	14 57 03.2 +1.5
BUR08	AKASG Malin Array B	11.28 16	Ph	Pn	14 57 02.6 +



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GNI, ESDC, HFS, FINES, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MSVF, NIUE, AFI, MXZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ONAU, LUND, AKACS, etc.

SNET 05 16:11:37.9, 1.2, 13.21N:89.97W, h33km, ML3.3, Presumed earthquake

ISC 05 16:15:50.4, 0.9, 18.8S:0.2, 178.1W:0.1, h500km, n16, r125/16, mb4.0/9, Fiji Islands region

AEIC 05 16:40:57.0, 0.8, 54.83N:0.05, 160.30W:0.05, h20km, 7km, Error ellipse: s-maj=7.2km s-min=3.9km az=179.0

NEIC 05 16:15:51.8, 0.7, 18.7S:0.2, 178.1W:0.1, h524km, 15km, mb4.2/9, Error ellipse: s-maj=25.8km s-min=14.2km az=191.0

5d 18h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like PUNG, Pungghina, Pavlikeni, MMB, Selosova, Rozhen, Valandovo, etc.

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Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like SNAA Sanae, SNAA, PLCA Paso Flores, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like CBJJ Citeko, GSI Gunungsitoli, LEM Lembang, etc.

IDC 05 17:52:46.1-1.2, 62.145S-57.67W, h0km, mb3.8/4, mbmp3.8/8, ML4.1/1, MS3.5/2, Error ellipse: s-maj=28.6km s-min=24.3km az=93.0

NEIC 05 17:52:47.4-1.7, 62.265S-0.035E, 17.1W, h10km, n38, mb4.2/11, Error ellipse: s-maj=5.8km s-min=4.3km az=306.0

IDC 05 18:08:50.8-1.4, 62.345S-58.31W, h0km, mb4.1/5, mbmp4.2/5, MS3.5/13, Error ellipse: s-maj=56.9km s-min=24.4km az=72.0

ISC 05 17:52:47.5-0.6, 62.215S-0.088E, 23.0W, h10km, n38, 1947/32, mb4.1/10, 4C, South Shetland Islands

ISC 05 18:16:36.6-1.2, 23.7S-0.1x179.8W, 0.2, h532km, n34, 1910/34, mb4.2/17, South of Fiji Islands

NEIC 05 18:16:36.7-1.4, 23.7S-0.2x179.69W, 0.09, h536km, 12km, mb4.3/24, Error ellipse: s-maj=23.0km s-min=12.2km az=180.0

ISC 05 18:16:37.2-2.8, 23.465S-179.92W, h540km, 77km, mb3.3/5, mbmp4.2/6, Error ellipse: s-maj=102.4km s-min=25.1km az=22.0

ISC 05 18:16:36.6-1.2, 23.7S-0.1x179.8W, 0.2, h532km, n34, 1910/34, mb4.2/17, South of Fiji Islands

ISC 05 18:30:11.6-1.9, 62.175S-0.075E, 21W, h10km, 2km, mb4.1/5, Error ellipse: s-maj=12.0km s-min=4.1km az=337.0

Main table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like ESPZ Base Esperanza, PMSA Palmer Station, PMSA, etc.

Main table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like MSVF Nonavsu, MSVF, MAARNI, etc.

Main table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like PDGK Podgomono, SONM Songino Array, etc.







Table with columns for station name, frequency, power, and other technical details. Includes stations like KAPI Kappang, MTN Mantong Dam, HHC Hu-ho-hao-te, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like QIS Mount Isa, WRAB Tennant Creek, WRA Warramunga Arr, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like PCJI Pacitan, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, etc.









5d 20h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MAW Mawson, PLCA Paso Flores, JTS Las Junetas, etc.

IDC 05 20:15:03.1±1.2, 62°07'S:57°54'W, h0km, mb3.9/5, mbmp4.0/5, MS3.6/17, Error ellipse: s-maj=51.6km s-min=24.5km az=72.0

NEIC 05 20:15:03.6±1.6, 62°21'S:0°09'58"W, h0km, mb2km, mb4.2/7, Error ellipse: s-maj=15.4km s-min=4.2km az=341.0

ISC 05 20:15:04.5±0.8, 62°23'S:0°10'58"W, h10km, n41, r132/24, mb4.4/9, MS3.6/16, 4C, South Shetland Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ESPZ Base Esperanza, PMSA Palmer Station, ORCA Orcadas, etc.

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ellipse: s-maj=39.6km s-min=4.9km az=92.2 KRSC 05 20:22:49.1±1.4, 49°49'N:158°39'E, h50km, 35km, ML4.3

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SKR Severo-Kuril's, ASAK Asacha, MIPR Malaya Ipe'l'ka, etc.

GII 05 20:50:21.3±0.0, 34°30'N:0°003:25'594E:0°001, h0km, Mws3.5, confirmed

IDC 05 20:50:22.1±0.9, 34°39'N:25°34'E, h0km, mb3.5/7, mbmp3.5/14, ML3.3/5, MS2.3/1, Error ellipse: s-maj=19.1km s-min=9.5km az=23.0

MCSM 05 20:50:24.0±1.1, 34°N:9°2'5E, h18km, 3km, mb4.0, MLv1.1

ATH 05 20:50:25.5, 34°31'N:25°32'E, h11km, 5km, ML3.7/10, Latitude uncertainty: 2 km; Longitude uncertainty: 1 km

ISK 05 20:50:26.7, 34°44'N:25°31'E, h86km, ML3.4/15 THE 05 20:50:28.9, 35°N:5°2'E, h80km, 5km, M3.4/26, MLh3.4/26

AFAD 05 20:50:36.5, 35°10'N:25°92'E, h7km, 2km, ML2.7 ISC 05 20:50:23.8±0.6, 34°27'N:0°05:25'38E:0°03, h21km, 3km, n149, r231/191, mb3.3/6, Crete

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SIVA Sivas, AGNA Agios Nikolaos, NPS Neapolis, etc.

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Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KTHA Kythira Island, APEI Apeiranthos, APEI Apeiranthos, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ALMO, MZS, MSBI, KRMI, LISJ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like STKA, BBOO, AS31, ASAR, ASAR, WBO, WRA, WRA, WRA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GERES, GERES, GERES, GERES, GERES, etc.

NEIC 05 21:42:19.3z.2.0.24:07S:0.06:179:9W:0.1, h509km,6km, mb4.4/25, Error ellipse: s-maj=17.4km s-min=7.6km

az=107.0

IDC 05 21:42:20.3z.1.2.24:05S:179:96E, h520km,12km, mb3.4/14, mbmp4.3/17, Error ellipse: s-maj=14.4km s-min=12.4km az=123.0

ISC 05 21:42:18.7z.0.3.24:00S:0.05:179:99W:0.07, h500km, n136, r153/143, mb4.0/29, 12C, South of Fiji Islands

IDC 05 21:54:22.3z.0.7.35:33S:53:95E, h0km, mb4.0/11, mbmp4.0/12, ML3.4/1, MS3.4/27, Error ellipse: s-maj=25.4km s-min=18.5km az=81.0

NEIC 05 21:54:24.2z.1.1.35:33S:0.10:53:7E:0.2, h10km,1km, mb4.9/10, Error ellipse: s-maj=31.5km s-min=16.0km az=282

ISC 05 21:54:23.7z.0.6.35:24S:0:09:53:8E:0.2, h10km, n63, r085/32, mb4.2/16, MS3.4/26, 5C, Southwest Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H04N1, H04N2, H04N3, VOI, ABPO, etc.

ILAR Eielson Array 147.90 17 PKPbc PKPbc 22 14 08.1 -0.1
comp=Z,1.8nm,0.8s,baz=309,slow=3.4,SNR=9.5

ILAR Eielson Array 147.90 17 PKPbc PKPbc 22 14 07.7 -0.5
Lajitas Array 160.10 259 PKP PKPdf 22 14 22.8 -0.7

DJA 05 23:24:33.8±0.5, 2°N,4°12'7E, h136km,5km, M4.5/17,
mb4.6/12, mb5.0/7, MLv4.5/17, Mw(MB)4.3/7, MwlMwp4.9/1,
Mwp5.2/1

IDC 05 23:24:34.6±2.7, 1.65N,127.35E, h141km±25km, mb3.8/8,
mbtmp4.2/11, Error ellipse: s-maj=26.5km s-min=13.7km
az=64.0

ISC 05 23:24:34.0±0.8, 1.73N,0.06E,127.32E±0.09, h150km±n23,
+165/23, mb3.9/8, Halmahera

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists various seismic stations and their associated data.

SOME 05 23:35:49.0, 39°59N,70°43E, h0km
KRNET 05 23:35:53.9±0.1, 40°10N,70°48E, h23km, mb3.0
ISU 05 23:35:54.39°59N,70°53E, h12km
ISC 05 23:35:56.5±1.0, 40.11N,0°04.70S, h12km±7km,
n26, +153/49, 13C-14D, Tajikistan

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists various seismic stations and their associated data.

IDC 05 23:42:02.8±1.0, 62°29S,57°75W, h0km, mb3.77,
mbtmp3.8/7, MS3.7/14, Error ellipse: s-maj=40.9km
s-min=19.5km az=76.0

ISC 05 23:42:04.7±0.9, 62°35S,0°15.57W,0°2, h10km±n25,
+1587/9, mb3.77, MS3.6/13, 1C-1D, South Shetland
Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists various seismic stations and their associated data.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists various seismic stations and their associated data.

IDC 05 23:43:18.9±0.4, 34°06N,79°12E, h0km, mb4.8/34,
mbtmp4.8/39, ML3.7/4, MS4.3/63, Error ellipse:
s-maj=11.3km s-min=9.4km az=27.0
BUJ 05 23:43:19.5, 34°06N,79°10E, h10km, mb5.3/37, mb5.0/70,
ML5.1/4, MS4.9/75, Ms7.4, 8.72
NMC 05 23:43:19.7±6.5, 33°78N,79°25E, h35km±68km, mb5.2,
Error ellipse: s-maj=49.4km s-min=37.0km az=101.0
MOS 05 23:43:20.2±1.0, 34°16N,79°15E, h18km, mb5.4/87,
MS4.5/18, Error ellipse: s-maj=5.0km s-min=2.8km
az=112.1

NEIC 05 23:43:20.8±1.3, 34°18N,0°05:79°21E±0.07, h10km±1km,
mb5.3/351, Mw5.0/13, Error ellipse: s-maj=10.6km
s-min=8.7km az=65.0

NDI 05 23:43:20.9±3.5, 34°30N,79°47E, h8km±25km, mb4.9,
ML4.6, MW4.8, Presumed earthquake
GFZ 05 23:43:22.4±0.2, 34°N,3°7E, h10km, M5.0/26,
mb5.3/26

GCMT 05 23:43:22.9±0.1, 34°14N,0°01:79°12E±0.01, h21km,
MW5.0/118, Moment Tensor Solution. s80, c108;
s118, c194; Duration: 0 Moment tensor: Scale 10^16Nm;
Mw=3.45±.12, Ms=0.94±.10, Mb=4.29±.09, M0=0.93±.22;
M1=1.50±.07, M2=1.20±.16; Best double couple
Ms4.80400x1016 N1P1=229.00000°, 847.00000°,
1-49.00000°, NP2=357.00000°, 856.00000°,
1-125.00000°. Principal axes: T 5.3750, P1g5.0000°,
Azml111.0000°; N -1.1380, Plg29.0000°, Azml18.0000°; P
-4.2340, Plg61.0000°, Azml210.0000°; nsta1 refers to
body waves, cutoff=40s. nsta2 refers to surface waves,
cutoff=50s. Triangular moment-rate function

BGR 05 23:43:37.9, 36°25N,78°76E, h33km, mb5.2, Ms4.2
ISC 05 23:43:20.4±0.3, 34°13N,0°02:79°16E±0.07, h7km±1km,
h8C±P±N, n1220, +1965/1324, mb5.2/389, MS4.4/94,
66C-73D, Kashmir-Xizang border region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists various seismic stations and their associated data.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists various seismic stations and their associated data.



5d 23h

2020 OCT

Table with columns for station code, name, frequency, and signal strength. Includes stations like ABTO Aybut, OZAP Van, Ozalp-Mer, HAKT HAKKARI, HNS HongShan, etc.

Table with columns for station code, name, frequency, and signal strength. Includes stations like ANN ANN, ANN ANN, ANN ANN, ANN ANN, ANN ANN, etc.

Table with columns for station code, name, frequency, and signal strength. Includes stations like TWGBT Beinan, INCN Incheon, INCN Incheon, INCN Heihe, HEH HEH, etc.







Table with columns for station ID, name, coordinates, and status. Includes stations like F25K Christian River, K17K Iditarod, J18K Innoko River, etc.

Table with columns for station ID, name, coordinates, and status. Includes stations like N19K Nushagak River, P16K Nushagak River, H29M Whitestone, etc.

Table with columns for station ID, name, coordinates, and status. Includes stations like N31M Braeburn, Yoko, BOSA Boshof, etc.



Table with columns: Station Name, Time, Res, Phase ID, Op, ISC, h, m, s, ISC. Includes stations like KPKS, KOTS, MDOK, etc.

NOU 06 01:22:22.2, 15.47S-167.53E, h120km, MLV4.5/20, Vanuatu Islands, Vanuatu Islands

Table with columns: Code, Station Name, Time, Res, Phase ID, Op, ISC, h, m, s, ISC. Includes stations like SANVU, YATNC, etc.

IDC 06 01:33:04.3-0.8, 19.42S-174.46W, h0km, mb4.0/6, mbmp4.1/9, ML4.1/3, MS3.0/7, Error ellipse: s-maj=27.7km s-min=16.5km az=151.0

NEIC 06 01:33:10.3-1.7, 19.4S-0.1-173.8W-0.1, h135km, 6km, mb4.6/8, Error ellipse: s-maj=16.8km s-min=13.0km az=45.0

ISC 06 01:33:08.4-0.6, 19.27S-0.08-173.94W-0.08, h32km, n39, c253/29, mb4.2/8, MS3.1/5, Tonga Islands

Table with columns: Code, Station Name, Time, Res, Phase ID, Op, ISC, h, m, s, ISC. Includes stations like NIUE, AFI, MSFV, etc.

Table with columns: Code, Station Name, Time, Res, Phase ID, Op, ISC, h, m, s, ISC. Includes stations like H03S3, H03N2, H03N1, etc.

CATAC 06 02:14:44.3-0.4, 10.1N-4.8'5W, h6km, 3km, M3.7/9, MLV3.7/9, Error ellipse: s-maj=8.2km s-min=3.9km az=25.1, confirmed

UCR 06 02:14:44.6-0.8, 9.65N-84.78W, h23km, 2km, MW3.7, Presumed earthquake

ISC 06 02:14:44.5-1.3, 9.63N-0.04-84.79W-0.03, h18km, 10km, n90, c075/103, Costa Rica

Table with columns: Code, Station Name, Time, Res, Phase ID, Op, ISC, h, m, s, ISC. Includes stations like BITO, PAQER, ENAS, etc.

Table with columns: Code, Station Name, Time, Res, Phase ID, Op, ISC, h, m, s, ISC. Includes stations like PB11, PB12, BBOJ, etc.

IDC 06 03:10:35.2-38.0, 5.48N-125.59E, h0km, mb3.8/4, mbmp3.8/4, MS3.5/2, Error ellipse: s-maj=662.3km s-min=127.6km az=147.0

NEIC 06 03:10:36.7-0.6, 5.52N-0.05-125.6E-0.1, h10km, 2km, mb4.0/5, Error ellipse: s-maj=24.9km s-min=8.3km az=93.0

MAN 06 03:11:03.0, 4.45N-126.00E, h176km, MS3.3, ISC 06 03:11:00.6-1.1, 4.29N-0.07-125.1E-0.2, h150km, n22, c265/18, mb3.7/6, Talau Islands

Table with columns: Code, Station Name, Time, Res, Phase ID, Op, ISC, h, m, s, ISC. Includes stations like DDMP, KMP, KCP, etc.

IDC 06 03:34:38.0-2.3, 1.29N-125.77E, h0km, mb3.6/5, mbmp3.7/5, Error ellipse: s-maj=275.6km s-min=22.0km az=66.0, Northern Molucca Sea

Table with columns: Code, Station Name, Time, Res, Phase ID, Op, ISC, h, m, s, ISC. Includes stations like WRA, ASAR, MKAR, etc.

KRSC 06 03:38:41.6-1.5, 5.160N-157.36E, h132km, 10km, M13.8, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Time, Res, Phase ID, Op, ISC, h, m, s, ISC. Includes stations like PAU, KDTR, MDRP, etc.

IDC 06 03:41:50.8-1.5, 32.53N-39.87W, h0km, mb3.7/7, mbmp3.7/7, MS3.1/4, Error ellipse: s-maj=56.3km s-min=23.6km az=7.0

ISC 06 03:41:52.8-1.4, 32.5N-0.4-39.9W-0.2, h13km, n25, c025/7, mb3.8/6, MS3.1/4, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Time, Res, Phase ID, Op, ISC, h, m, s, ISC. Includes stations like SCHO, MDT, etc.

SCB 06 02:57:55.1-1.5, 19.28S-68.10W, h183km, 15km, ML3.6/2, Error ellipse: s-maj=7.3km s-min=4.2km az=1.0

GUC 06 02:57:56.0-0.9, 19.20S-68.12W, h165km, 11km, ML3.5, Presumed earthquake

ISC 06 02:57:54.5-1.1, 19.22S-0.05-68.17W-0.06, h188km, 15km, n25, c1919/33, 5C, Chile-Bolivia border region

Table with columns: Code, Station Name, Time, Res, Phase ID, Op, ISC, h, m, s, ISC. Includes stations like SOEO, PB08, etc.









Table with columns: Station Name, Frequency, Power, Direction, and Time. Includes stations like NVAR, KIRV, PAHR, PMD, K05A, PFO, etc.

Table with columns: Station Name, Frequency, Power, Direction, and Time. Includes stations like F20K, BPWA, E19K, KTH, PMR, AKTO, F19K, G19K, M22K, J20K, etc.

Table with columns: Station Name, Frequency, Power, Direction, and Time. Includes stations like MKAR, MKAR, MKAR, MKAR, MKAR, MKAR, etc.

Table with columns: Code, Station Name, Frequency, Power, Direction, and Time. Includes stations like Ostrava-Krasne, Steborice, Moravsky Berou, etc.

6d 5h

Table with columns: DPC, KRUC, MORAVSKY, OStas, Ujice, Chvalec, Kasperke Hory, KHC. Includes station names, codes, and coordinates.

OTT 06 04:55:54.3-0.2,64.82N;86.39W,h18km,MN3.8/6, 173km northwest from Coral Harbour, Nu Boothia Ungava Seismic Zone., Northwest Territories

Main table for OTT event with columns: Code, Station Name, Az, Phase, ID, Time, Res. Lists stations like Baker Lake, Igloolik, Fort Churchill, etc.

IDC 06 05:06:39.0-0.4,38.33S;75.29W,h0km,mb4.8/15, mbtmp4.7/19,ML4.4/4,MS3.8/14,Error ellipse: s-maj=13.9km s-min=11.1km az=87.0

Main table for IDC event with columns: Code, Station Name, Az, Phase, ID, Time, Res. Lists stations like Yellowknife, Pickle Lake, Schefferville, etc.

ISC 06 05:06:43.0-0.6,38.34S;74.73W,h15km,ML4.9, Presumed earthquake

Main table for ISC event with columns: Code, Station Name, Az, Phase, ID, Time, Res. Lists stations like Isla Mocha, Corral, San Pedro de C, Punta Hualp, Panguipulli, Curarrehue, Los Muermos, Puerto Octay, Petrohue, etc.

2020 OCT

Main table for 2020 OCT with columns: LLO3, LLO2, LLO1, etc. Lists stations and their associated data for the 2020 OCT event.

310

Main table for 310 with columns: LPAZ, LPAZ, LPAZ, etc. Lists stations and their associated data for the 310 event.



6d 5h

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KURBB, KURK, ZALVO, ZALV, CMAR, etc.

IDD 06 05:16:21.20-0.9, 32.2205:72.24W, h0km, mb3.7/3, mbmp3.7/8, ML3.9/5, MS3.1/3, Error ellipse: s-maj=18.2km s-min=12.9km az=108.0

NEIC 06 05:16:25.1+1.1, 32.227S:0.02-71.83W:0.05, h19km, 3km, mb4.4/13, Mw4.2/56, ML4.4(4C), Error ellipse: s-maj=5.9km s-min=1.8km az=112.0, Moment Tensor Solution: Moment tensor: Scale 10^15Nm; Mw: 4.72; Ms: 1.18; Ms+1.91; Ms+1.02; Ms+1.19; Ms+0.58; Fault plane solution: M2 360000\*10^15 Np1 q5 58.350000\* 578.890000\*, lambda 144.200000\*. NP2 q5 156.260000\*, 854.970000\*, lambda 13.610000\*. Principal axes: T 2.0947, P 3.033.0000\*, Azm11.0000\*; N 0.4618, P1g53.0000\*, Azm223.0000\*; P -2.5564, P1g16.0000\*, Azm112.0000\*.

NEIC 06 05:16:25.2, 32.228S:71.82W, h20km

GUC 06 05:16:25.0-0.7, 32.228S:71.78W, h31km, 4km, ML4.4, Presumed earthquake

ISC 06 05:16:22.0-1.3, 32.224S:0.02-71.94W:0.04, h4km, 8km, M1.9, s118/184, mb4/2.10, 4C-16D, Near coast of central Chile

Main table of station data with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like VA01, VA02, VA03, etc.

2020 OCT

Main table of station data for 2020 OCT with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MT03, MT04, MT05, etc.

312

Main table of station data for 312 with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PLCA, PLCA, PLCA, etc.









6d 5h

Table of weather forecasts for the 6d 5h period, including stations like ODSA Odessa, T35A Sooner Cattle, and others, with columns for station name, forecast, and time.

2020 OCT

Table of weather forecasts for the 2020 OCT period, including stations like LPIG La Paz, M44A Midewin, and others, with columns for station name, forecast, and time.

316

Table of weather forecasts for the 316 period, including stations like DELO M52A, INCN Chesterland, and others, with columns for station name, forecast, and time.







6d 5h

Table with columns for station code, name, frequency, and signal strength. Includes stations like RNPP8 Varash, ARSB Arslanbob, MEM Membach, etc.

2020 OCT

Table with columns for station code, name, frequency, and signal strength. Includes stations like OSTC Ostas, UPJC Ujice, KSH2 Kashi, etc.

320

Table with columns for station code, name, frequency, and signal strength. Includes stations like WETZ Wetzell, LSA Lhasa, KHC Kasperke Hory, etc.



Table with columns: Station, Frequency, Power, and other technical details. Includes stations like MOKOCHONG, LOR, WINA, TRPA, CELP, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like ERBR, PID, MESR, PAGU, ARCA, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like KIV, KIV, KIV, KIV, SURR, etc.

6d 5h

Table with columns for station name, frequency, power, and signal quality. Includes stations like JOSI, LEHAL, HUMR, JMU, etc.

2020 OCT

Table with columns for station name, frequency, power, and signal quality. Includes stations like KLINJ, PCAS, GKPR, CASP, etc.

322

Table with columns for station name, frequency, power, and signal quality. Includes stations like PAB, PAB, PAB, PAB, etc.

BTRR	Keskin Array B	84.98 350	P	P	06 07 23.1 +0.4
BTRR	comp-Z,97nm,1.0s,baz=22,slow=2.4,SNR=124				
BTRR	comp-Z,5.8nm,0.9s,baz=359,slow=8.6,SNR=4.0		PP	PP	06 10 31.1 -7.7
BTRR	comp-Z,0.9nm,0.6s,baz=175,slow=5.0,SNR=4.4				06 25 28.9 +1.5
BTRR	comp-Z,3um,20.0s,baz=350,slow=39		LR	LR	06 50 37.6
BR105	Keskin Array S	84.98 350	P	P	06 07 23.1 +0.3
BR104	Keskin Array S	84.98 350	P	P	06 07 23.1 +0.3
GARCO	Garzon, Huila	85.00 93	P	P	06 07 21.5 -1.8
EIBI	Ibiza	85.01 15	P	P	06 07 23.6 +0.8
ARPR	Arapgir-MALATY	85.02 346	P	P	06 07 23.6 +0.6
ARPR	Arapgir-MALATY	85.02 346	P	P	06 07 24.5 +1.5
GEVA	Gevass	85.03 342	P	P	06 07 23.4 +0.3
MARCO	Tramutola	85.04 3	P	P	06 07 25.1 +2.1
PBDV	Barranco-do-Ve	85.07 22	P	P	06 07 24.1 +1.0
PBDV	Barranco-do-Ve	85.07 22	P	P	06 07 24.2 +1.2
PBDV	comp-Z,344nm,1.5s		Iamb	Iamb	06 07 27.3
BORA	Ekshehir	85.12 352	P	P	06 07 23.9 +0.6
PCI	Palu	85.14 262	P	P	06 07 24.4 +0.7
RAO	Raoul Island	85.29 196	LR	LR	06 38 39.2
RAO	Raoul Island	85.29 196	IAMS_20	IAMS_20	06 37 42.4
LIT	Litokhoron	85.29 358	P	P	06 07 24.0 -0.2
LIT	comp-Z,137nm,0.9s				
LIT	Litokhoron	85.29 358	P	P	06 07 24.0 -0.2
LIT	comp-Z,6umcomp-Z,3umcomp-Z,194nm,1.0s				
CUC	Castrocuco	85.35 3	P	P	06 07 24.1 -0.3
CUC	Castrocuco	85.35 3	P	P	06 07 25.2 +0.7
PAIG	Patou,44 337	85.40 337	P	P	06 07 24.7 -0.1
EZN	Ezine	85.44 355	P	P	06 07 25.3 +0.5
BALY	Balya	85.45 354	P	P	06 07 25.2 +0.3
VSL	Villasalto	85.47 8	P	P	06 07 24.7 -0.3
VSL	Villasalto	85.47 8	P	P	06 07 26.2 +1.2
KIRS	Kirsehir-Merke	85.53 349	P	P	06 07 26.3 +0.9
SRN	Sarande	85.53 0	P	P	06 07 26.0 +0.7
JHNI	Jhansi	85.59 309	P	P	06 07 23.9 -2.0
JHNI	Konya-Kulu	85.60 350	P	P	06 07 40.0
KKUL	comp-Z,5umcomp-Z,3umcomp-Z,235nm,1.4s				06 07 27.1 +1.2
HAKT	HAKKAFI	85.65 341	P	P	06 07 27.1 +0.8
KEK	Kerkira	85.70 0	P	P	06 07 26.4 +0.2
KEK	Kerkira	85.70 0	P	P	06 07 26.4 +0.2
EMUR	La Murta	85.77 17	P	P	06 07 26.7 +0.1
EMUR	La Murta	85.77 17	P	P	06 07 28.3 +1.7
ESPR	Espere	85.88 21	P	P	06 07 27.7 +0.7
TLOR	Lorca, Murcia	85.88 17	P	P	06 07 27.7 +0.6
EGOR	Sierra Gorda	85.97 19	P	P	06 07 29.1 +1.3
MACC	Macarena, Meta	85.99 92	P	P	06 07 27.0 -0.9
EOTA	Presca de Quent	86.00 19	P	P	06 07 28.4 +0.5
PIAT	Ana Tenorio	86.00 97	P	P	06 07 30.3 +1.8
XOR	Xorichiti	86.01 358	P	P	06 07 27.6 -0.1
CART	Cartagena	86.06 17	P	P	06 07 27.5 -0.4
CART	Cartagena	86.06 17	P	P	06 07 27.3 -0.7
SFS	San Fernando	86.18 21	P	P	06 07 29.8 +1.2
TIP	Timpagrande	86.19 3	P	P	06 07 29.0 +0.3
TIP	Timpagrande	86.19 3	P	P	06 07 29.0 +0.3
TIP	Timpagrande	86.19 3	P	P	06 07 29.8 +1.1
EMAL	Malaga-Limoner	86.25 20	P	P	06 07 29.7 +0.8
EMAL	Malaga-Limoner	86.25 20	P	P	06 07 29.8 +0.9
ELGU	Los Guajares	86.30 19	P	P	06 07 29.5 +0.2
CNIL	Conil	86.30 21	P	P	06 07 30.5 +1.3
AGG	Agios Georgios	86.37 358	P	P	06 07 29.1 -0.4
EMJ	Mijas	86.37 20	P	P	06 07 29.4 -0.2
AJM	Ajmer	86.47 313	ex	P	06 07 29.0 -1.3
AJM	comp-Z,23nm,0.8s		Iamb	Iamb	06 07 33.0
AJM	Lefkada island	86.62 360	P	P	06 07 44.9
LKD2	Lefkada island	86.62 360	P	P	06 07 31.6 +0.8
MANT	Manisa	86.64 353	P	P	06 07 31.0 -0.1
BWNR	Bhubaneswar	86.65 301	eP	P	06 07 30.6 -0.5
BWNR	Townsville Har	86.69 229	iX	x	06 07 47.1
TVIH	Townsville Har	86.69 229	S	S	06 18 10.9 +5.1
TVIH	Townsville Har	86.69 229	P	P	06 07 34.2 +2.3
ANDN	Andrin	86.78 347	P	P	06 07 32.8 +1.2
SBUM	Sibu	86.79 270	P	P	06 07 34.2 +2.4
SBUM	Sibu	86.79 270	P	P	06 07 32.0 +0.4
SBUM	Sibu	86.79 270	P	P	06 07 34.2 +2.4
SBUM	Sibu	86.79 270	P	P	06 07 33.0 +1.2
MTSU	Mount Surprise	86.81 232	P	P	06 07 33.1 +1.4
MTSU	Mount Surprise	86.81 232	P	P	06 07 33.9 +2.2
MTSU	Mount Surprise	86.81 232	P	P	06 07 33.0 +1.4
CHOS	Chios Island	86.88 355	P	P	06 07 32.0 -0.1
PMOZ	Porto Moniz, M	86.88 31	eP	P	06 07 36.6 +4.3
PMOZ	comp-Z,2um,20.0s				06 18 06.5 -1.5
PMOZ	comp-Z,3umcomp-Z,1umcomp-Z,40nm,1.1s				06 39 36.0
PMOZ	comp-Z,2um,20.0s		IAMS_20	IAMS_20	06 44 56.8
PMPST	Porto Santo, M	86.90 30	eP	P	06 07 36.2 +4.0
PTLC	Puerto Leguiza	87.04 94	P	P	06 07 33.7 +0.6
PMAR	Madeira	87.06 31	eP	P	06 07 35.2 +2.0
PMAR	comp-Z,291nm,1.4s		Iamb	Iamb	06 07 36.9
CEL	Celeste	87.08 3	P	P	06 07 32.8 -0.3
CEL	Celeste	87.08 3	P	P	06 07 33.4 +0.4
CEL	Celeste	87.08 3	P	P	06 07 32.9 -0.1
CEL	Celeste	87.08 3	P	P	06 07 32.9 -0.1
MMSI	Mamuju	87.12 261	P	P	06 07 33.6 +0.1
MMSI	comp-Z,1umcomp-Z,113nm,1.0s				06 52 26.3
AYDN	Tasoluk	87.51 354	P	P	06 07 35.3 +0.2
TAVA	Tavas	87.51 353	P	P	06 07 37.0 +1.3
CLTB	Caltabellotta	87.64 5	P	P	06 07 37.3 +1.5
CTA	Charters Tower	87.65 229	P	P	06 07 36.9 +1.1
CTA	Charters Tower	87.65 229	LR	LR	06 41 36.9
CTA	Charters Tower	87.65 229	P	P	06 07 37.7 +1.9
CTAO	Charters Tower	87.65 229	P	P	06 07 37.7 +1.9
CTAO	Charters Tower	87.65 229	P	P	06 07 35.2 -0.6
CTAO	Charters Tower	87.65 229	P	P	06 07 35.2 -0.6
CTAO	Charters Tower	87.65 229	P	P	06 07 37.7 +1.9
CTAO	Charters Tower	87.65 229	P	P	06 07 37.7 +1.9
MCRA	Macar, Loja	87.79 101	P	P	06 07 35.4 -1.3
VAE	Valguarnera	87.80 5	LR	LR	06 47 36.8
KDU	Kakadu	87.94 245	P	P	06 07 38.0 +0.8
KEPZ	Antalya-Kepez	87.97 351	P	P	06 07 37.5 +0.1

BHPL	Bhopal	88.04 309	ex	P	06 07 36.3 -1.6
BHPL	comp-Z,90nm,1.0s		Iamb	Iamb	06 07 40.6
BHPL	Kayabasi	88.12 354	iX	x	06 07 53.0
BDRM	Itimi	88.22 359	P	P	06 07 39.1 +1.1
ITM	comp-Z,5umcomp-Z,2umcomp-Z,180nm,1.1s				06 07 38.4 0.0
APE	Apeiranthos	88.22 356	P	P	06 07 38.5 -0.1
APE	Apeiranthos	88.22 356	P	P	06 07 38.4 -0.1
APE	Apeiranthos	88.22 356	P	P	06 07 37.9 -0.6
UDPR	Udaipur	88.48 313	P	P	06 07 39.0 -0.9
UDPR	comp-Z,11nm,0.6s		Iamb	Iamb	06 07 42.5
UDPR	Kappang	88.54 259	LR	LR	06 07 55.2
KAPI	Kappang	88.54 259	P	P	06 43 06.4
KAPI	Kappang	88.54 259	P	P	06 07 42.3 +2.1
KAPI	Kappang	88.54 259	P	P	06 07 40.0 -0.2
KAPI	Kappang	88.54 259	P	P	06 07 39.7 -0.5
KAPI	comp-Z,104nm,1.1s				
KAPI	Kappang	88.54 259	P	P	06 07 39.7 -0.5
KAPI	Kappang	88.54 259	P	P	06 07 41.4 +1.2
KAPI	Kappang	88.54 259	P	P	06 07 41.0 +0.9
KAPI	Kappang	88.54 259	P	P	06 07 41.1 +0.9
DRS	Darwin Rock St	88.55 246	P	P	06 07 42.6 +2.5
AUHP	Darwin High Sc	88.55 246	P	P	06 07 41.7 +1.4
RAGD	RAYAGADA	88.66 302	P	P	06 07 41.0 +0.2
RAGD	comp-Z,3umcomp-Z,60nm,1.0s				06 07 56.6
MTN	Mannton Dam	88.77 246	P	P	06 07 42.3 +1.1
MTN	Mannton Dam	88.77 246	P	P	06 07 40.3 -0.9
MTN	Mannton Dam	88.77 246	P	P	06 07 51.0
MTN	comp-Z,35nm,1.0s		Iamb	Iamb	06 07 51.0
AKAS	Kas	88.81 352	P	P	06 07 41.5 +0.1
AKAS	Kas	88.81 352	P	P	06 07 41.4 0.0
DGPR	DIGLPIUR	88.90 291	Iamb	Iamb	06 05 46.3
DGPR	comp-Z,256nm,1.0s				06 05 56.1
DGPR	Anticent Thera	88.92 356	iX	x	06 07 39.6 -2.2
THERA	Anticent Thera	88.92 356	P	P	06 07 39.6 -2.2
ARG	Archangelos	88.93 354	P	P	06 07 41.2 -0.6
AVE	Averroes	88.97 23	P	P	06 07 43.6 +1.6
NGP	Nagpur	89.10 307	eP	P	06 07 41.6 -1.2
NGP	Nagpur	89.10 307	eP	P	06 07 57.9
KTHA	Kythira Island	89.11 358	P	P	06 07 43.4 +0.8
KEST	Kesra	89.20 9	P	P	06 07 44.4 +1.2
KEST	comp-Z,44nm,1.0s,baz=308,slow=1.9,SNR=17		LR	LR	06 48 20.6
KEST	comp-Z,3um,21.9s,baz=2.5,slow=36				06 07 44.2 +1.0
KEST	Kesra	89.20 9	P	P	06 07 45.8
KEST	Kesra	89.20 9	Iamb	Iamb	06 07 45.8
IFR	Ifrane	89.25 21	P	P	06 07 44.3 +0.7
CSS	Mathiatis	89.72 349	Iamb	Iamb	06 07 47.9
CSS	Mathiatis	89.72 349	P	P	06 07 45.9 +0.3
CSS	Mathiatis	89.72 349	P	P	06 07 47.0 +1.5
IMMV	lera Moni Meta	89.88 357	P	P	06 07 46.4 +0.1
SOEI	Soe	89.90 253	P	P	06 07 48.7 +2.0
SOEI	Soe	89.90 253	Iamb	Iamb	06 08 00.8
SOEI	Soe	89.90 253	P	P	06 07 49.7 +3.0
SOEI	Soe	89.90 253	P	P	06 07 47.0 +0.3
MD01	Midelt array s	89.95 21	P	P	06 07 46.7 -0.2
MD31	MD31	89.95 21	Iamb	Iamb	06 07 49.2
IDI	Anoiti	90.02 356	LR	LR	06 52 02.7
VIS	Vishakhapatnam	90.03 302	iX	x	06 08 03.3
MDT	Midelt	90.04 21	LR	LR	06 52 14.9
ZKR	Zakro	90.14 355	P	P	06 07 46.9 -0.6
EIDS	Eidsvold	90.34 223	P	P	06 07 50.0 +1.7
EIDS	Eidsvold	90.34 223	P	P	06 07 49.0 +0.8
AKL	Akola	90.44 308	eP	P	06 07 48.3 -0.8
AKL	comp-Z,9.3nm,0.8s		Iamb	Iamb	06 07 51.1
AKL	Gavdhos	90.50 357	iX	x	06 08 04.4
AKL	comp-Z,2umcomp-Z,88nm,1.1s,comp-Z,2um				06 07 47.5 -1.7
BATI	Baumata	90.61 253	LR	LR	06 45 09.9
ATAH	Atahualpa	90.93 101	LR	LR	06 47 03.9
QIS</					



Table of seismic events with columns for station name, time, magnitude, depth, distance, and quality. Includes events like HRA Herat, BWNR Bhubaneshwar, KURRB Kurchatov Arr, etc.

Table of seismic events with columns for station name, time, magnitude, depth, distance, and quality. Includes events like MJAR Matsushiro Arr, HJFS Hattori, TIP Timpagrande, etc.

Table of seismic events with columns for station name, time, magnitude, depth, distance, and quality. Includes events like HUIG Huatulo, HUIG Huatulo, HUIG Huatulo, etc.

ICD 06:19:44.9.1.5, 15.53N:96.41W, h0km, mb3.6/6, mbTm3.6/8, ML4.0/2, Error ellipse: s-maj=23.4km, s-min=11.6km, az=12.0.
MEX 06:19:48.5.0.9, 15.68N:96.54W, h20km, MD4.5, Presumed earthquake
NEIC 06:19:51.2.1.8, 15.91N:0.08:96.40W, 0.06, h28km, 7km, mb4.0/71, Md4.5/30(MEX), Error ellipse: s-maj=12.6km, s-min=7.8km, az=202.0
ISC 06:19:46.0.1.3, 15.73N:0.05:96.52W, 0.03, h6km, 8km, n165, s172/206, mb4.1/18, ID, Near coast of Oaxaca

2020 OCT

Table with columns: Code, Station Name, Az, Az', Phase, D, Time, Res, ISC. Includes stations like BRDY, ALPN, WHTX, TPB01, SGCY, etc.

Table with columns: Code, Station Name, Az, Az', Phase, D, Time, Res, ISC. Includes stations like MIYJ, MIYJ, OFUNATO, OHASAMA, etc.

Table with columns: Code, Station Name, Az, Az', Phase, D, Time, Res, ISC. Includes stations like JHJ, HACHIOJIMA, JHJ, etc.

BJI 06:06:27.32 1.39°49N, 142°01'E, h90km, mB5.5/5, mb4.9/51
IDC 06:06:27.34 1.5, 39°39N, 141°38'E, h91km, 12km, mb4.3/27,
mbtmp4.7/35, Error ellipse: s-maj=12.4km s-min=9.1km
az=104.0
MOS 06:06:27.34 0.0, 9.39°47N, 141°92'E, h100km, mb5.9/34,
Error ellipse: s-maj=7.1km s-min=4.7km az=100.1
NEIC 06:06:27.35 1.1, 39°41N, 0°06:14.97E, 0.09, h96km, 5km,
mb4.6/200, Error ellipse: s-maj=11.1km s-min=7.9km
az=114.0
GFZ 06:06:27.35 4.0, 3.39°N, 3°14'22"E, h99km, 3km, M5.0/21,
mb5.0/21, Error ellipse: s-maj=10.7km s-min=5.3km
az=107.4, confirmed
JMA 06:06:27.35 0.1, 39°4N, 0°3:14'19"E, 0.5, h94km, MD4.7/35,
MW4.6/35, SOUTHERN IWATE PREF.
JMA Feil III J1 at SOUTHERN IWATE PREF.
ISC 06:06:27.34 0.4, 39.40N, 0°03:14.98E, 0.04, h95km, 3km,
h95km, p-P, n482, c1512/439, phase D, 1784, 20C-23D,
Eastern Honshu

Code Station Name Az Az' Phase D Time Res ISC



Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like YAK Yakutsk, TPUB Ta-pu, WHN Wuhan, SEY Seymchan, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like KURK Kurchatov, KURB Kurchatov, CAST Castle Rocks, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like KBL Kabul, KBL MTSU, SPB2 Spitsbergen Ar, etc.

6d 7h

2020 OCT

Table of astronomical observations for 6d 7h, listing station names, coordinates, and observation details.

Table of astronomical observations for 2020 OCT, listing station names, coordinates, and observation details.

Table of astronomical observations for 328, listing station names, coordinates, and observation details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Juan Fernandez, La Paz, San Ignacio, etc.

IDC 06:08:01:14.5:1.0, 62.23S:58.06W, h0km, mb4.0/9, mbtmp4.0/9, Error ellipse: s-maj=42.0km s-min=18.7km az=74.0

NEIC 06:08:01:16.1:1.7, 62.32S:0.06:58.28W:0.09, h10km, mb4.5/14, Error ellipse: s-maj=11.5km s-min=5.9km az=206.0

ISC 06:08:01:16.2:0.6, 62.24S:0.08:58.0W:0.1, h10km, n33, az=137/25, mb4.2/15, 2C, South Shetland Islands

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Base Esperanza, Palmer Station, San Martin, etc.

IDC 06:08:11:55.8:0.6, 39.52N:74.06E, h0km, mb4.1/23, mbtmp4.1/23, ML3.6/7, MS3.2/3, Error ellipse: s-maj=11.4km s-min=10.8km az=32.0

SOME 06:08:11:55.8:0.1, 39.58N:73.93E, h15km, MS4.7, KRNET 06:08:11:56.8:0.1, 39.66N:74.05E, h14km, mb4.8

MOS 06:08:11:56.7:1.2, 39.51N:73.95E, h13km, mb4.2/10, Error ellipse: s-maj=6.1km s-min=3.5km az=82.3

NEIC 06:08:11:59.4:2.7, 39.64N:0.07:73.98E:0.07, h10km, mb4.4/12, Error ellipse: s-maj=11.3km s-min=8.3km az=165.0

NNC 06:08:11:59.8:1.0, 39.76N:73.94E, h0km, mb4.9, mpv4.7, Error ellipse: s-maj=8.1km s-min=3.9km az=179.0

ISC 06:08:11:58.4:1.0, 39.66N:0.03:73.96E:0.02, h12km, g6km, n236, az=29/305, mb4.2/27, 39C-17D, Tajikistan-Xinjiang border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Sufi-Kurgan, Kashi, Karamyk, etc.

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Arslanbob, Naryn, Batken, etc.

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Alma-Ata, Anan'yeyvo, Medeo, etc.

Table with columns: Station Name, Time, Res, ISC, and various codes. Includes stations like Podgomoje, Alci Leh, Konyrilen, etc.

Table with columns: Station Name, Time, Res, ISC, and various codes. Includes stations like ARTI, ARTI, ARTI, etc.

Table with columns: Station Name, Time, Res, ISC, and various codes. Includes stations like WRA, ASAR, CMAR, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various station identifiers. Includes stations like MOM3, RANC, ALJI, PACA, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various station identifiers. Includes stations like Taiwan, EHD, ECS, FULB, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various station identifiers. Includes stations like NNSB, NNS, NNS, etc.

JMA 06:08:37.34.9.0.2.23.1N.0.7x12.1E.1, h8km, 4km, TAIWAN REGION

TAP 06:08:37.35.3.23.15N.121.20E, h10km, ML4.1, 4C-21D, B,

DJJ 06:08:46:54.7.0.15N.127.66E, h106km, mB5.1/15, mB5.0/55





MKAR SONGINGO Array 13.79 109 AML AML  
0.3nm,0.3s,baz=297,slow=6.3,SNR=1.7  
0.4nm,0.4s AML AML  
SONM

IDL 06 10:00:25.6±2.2, 64.73N±31.16E, h0km, mbmp3.0/4,  
ML2.3/4, Error ellipse: s-maj=24.4km s-min=10.0km  
az=103.0

HEL 06 10:00:26.2±0.2, 64.78N±30.66E, h0km, ML2.2, Explosion  
KOLA 06 10:00:27.8, 64.85N±30.65E, h0km, ML2.2, Error ellipse:  
s-maj=13.8km s-min=7.1km az=160.0, Karela

ISC 06 10:00:24.9±0.9, 64.77N±0.02±30.61E±0.04, h0km, n41,  
+1653.59, Finland-Karelia border region

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
					h m s	ISC
RMF	Romuvuara	0.63 208	PG	Pg	10 00 38.1	+1.2
RMF	Kurvinen	1.30 347	PG	Pg	10 00 46.7	
KU1	comp=Z,37nm,0.2s	0.91 332	PG	Pg	10 00 42.5	+0.1
KU6	baz=151	1.01 347	PG	Pg	10 00 49.2	-0.6
KU6	Riekkilä	1.30 347	PG	Pg	10 00 49.2	-0.6
KU6	baz=162	1.01 347	PG	Pg	10 00 49.2	-0.6
KU6	comp=Z,13nm,0.2s				10 01 05.3	
KU6	MSF	1.32 331	PB	Pg	10 01 06.8	+0.3
KU6	Maaselka	1.32 331	PB	Pg	10 00 50.0	-0.2
KU2	Taivalkoski	1.38 314	PG	Pg	10 00 51.0	-0.2
OLKF	baz=127	1.64 343	PG	Pg	10 00 55.5	+0.5
OLKF	Oulanka, Finla	1.64 343	PG	Pg	10 01 15.2	
NIF	comp=Z,20nm,0.2s	1.85 223	PG	Pb	10 00 59.8	+0.2
NIF	Nilsia	1.85 223	PG	Pb	10 01 21.9	
NIF	baz=43				10 01 21.9	
JOF	comp=Z,18nm,0.2s	1.88 170	PB	Pn	10 00 58.9	+0.6
JOF	Joensuu	1.88 170	PB	Pn	10 00 58.9	+0.6
RANF	baz=350	2.03 310	PG	Pb	10 01 02.4	-0.2
RANF	Ranua	2.03 310	PG	Pb	10 01 02.4	-0.2
RANF	baz=122				10 01 02.4	-0.2
RANF	Oulu	2.03 281	PG	Pg	10 01 29.6	-0.5
QUL	QUL	2.03 281	PG	Pg	10 01 29.7	+0.1
KVDA	Kovda	2.15 25	P	Pn	10 01 02.5	+0.6
KVDA	KVDA	2.15 25	P	Pn	10 01 29.7	+0.5
OB4F	Vikkela, Lumij	2.36 274	PG	Pb	10 01 07.9	-0.3
OB4F	OB4F	2.36 274	PG	Pb	10 01 36.4	
OUF	comp=Z,21nm,0.2s	2.57 264	PB	Pb	10 01 10.7	-1.1
OUF	Merijarvi	2.57 264	PB	Pb	10 01 10.7	-1.1
OUF	baz=79				10 01 10.7	-1.1
OUF	comp=Z,16nm,0.2s				10 01 42.6	
OUF	OVF	10 01 46.0	-1.3			
RNF	Rovaniemi	2.65 316	PG	Pb	10 01 12.4	-0.8
RNF	baz=129				10 01 12.4	-0.8
SUF	Suomien	2.85 226	PB	Pb	10 01 14.9	-1.7
SUF	SUF	2.85 226	PB	Pb	10 01 50.9	
TOF	Tornio	2.94 299	PG	Pb	10 01 19.2	+1.1
TOF	TOF	2.94 299	PG	Pb	10 01 53.0	
APA0	comp=Z,5.8nm,0.2s	3.01 18	P	Pn	10 01 15.0	+1.2
APA0	Apatity Array	3.01 18	P	Pn	10 01 52.8	+2.3
VRF	Vario	3.02 353	PN	Pn	10 01 15.0	+1.1
VRF	VRF	3.02 353	PN	Pn	10 01 54.8	
APA	comp=Z,4.8nm,0.2s	3.03 21	P	Pn	10 01 15.2	+1.1
APA	Apatity	3.03 21	P	Pn	10 01 50.3	-0.8
KAF	Kangasniemi	3.29 218	PB	Pn	10 01 21.1	+3.4
KAF	KAF	3.29 218	PB	Pn	10 02 09.8	-0.7
RUF	Ruokolahti	3.44 193	PN	Pn	10 01 21.7	+2.0
LVZ	Lovozero	3.54 26	PB	Pn	10 01 26.9	-1.5
LVZ	Lovozero	3.54 26	PB	Pn	10 01 26.0	+3.2
KEF	Keuruu	3.67 227	PN	Pn	10 02 19.8	-2.8
KEF	Keuruu	3.67 227	PN	Pn	10 01 24.7	+1.8
KLJF	Kolari	3.67 315	PN	Pn	10 01 27.6	+2.7
PAJU	Pajala	3.82 310	PN	Pn	10 01 26.0	+0.9
RAJF	Raja-Jooseppi	3.83 347	PN	Pn	10 02 22.9	+2.7
RAJF	RAJF	3.83 347	PN	Pn	10 01 33.5	-1.1
VAF	Ylistaro	3.91 247	PB	Pb	10 01 28.5	+2.2
ERTU	Ertsjærvi	3.92 301	PN	Pn	10 01 28.1	+1.8
FIAD	FINES Array S	3.92 214	PN	Pn	10 02 27.7	-3.0
FIAD	FIAD	3.92 214	PN	Pn	10 01 27.9	+1.6
FINES	FINES Array B	3.92 214	PN	Pn	10 01 33.4	-1.4
FINES	comp=Z,0.3nm,0.3s,baz=36,slow=13,SNR=13				10 01 37.4	
FINES	comp=Z,0.4nm,0.3s,baz=30,slow=14,SNR=12				10 02 27.5	
FINES	comp=Z,1.6nm,0.3s,baz=31,slow=26,SNR=8.4				10 01 33.4	-1.4
FINES	comp=Z,1.2nm,0.3s				10 01 28.2	+1.3
BURU	Burvik	3.97 271	PN	Pn	10 01 33.6	+0.6
UMAU	Umeaa	4.41 263	PN	Pn	10 02 26.0	+1.0
UMAU	UMAU	4.41 263	PN	Pn	10 01 37.0	+2.1
HEF	Hetta	4.58 326	PN	Pn	10 01 33.0	+1.2
TERR	Teriberka	4.75 20	S	Sn	10 01 44.1	+0.5
ARCES	ARCES Array B	5.18 340	PN	Pn	10 01 55.2	-1.1
ARCES	ARCES	5.18 340	PN	Pn	10 02 44.2	+0.2
ARCES	comp=Z,0.2nm,0.3s,baz=140,slow=14,SNR=5.6				10 03 03.3	
ARCES	comp=Z,0.4nm,0.3s,baz=154,slow=25,SNR=4.5				10 03 03.3	
ARCES	comp=Z,0.9nm,0.3s,baz=149,slow=33,SNR=8.5				10 03 03.3	
ARCES	comp=Z,1.2nm,0.3s				10 02 44.2	+0.2
ARCES	ARCES Array B	5.18 340	P	Pn	10 01 44.2	+0.6
ARCES	ARCES	5.18 340	P	Pn	10 01 47.4	+0.9
VADS	Vadso	5.04 355	P	Pn	10 02 35.7	-3.5
VADS	VADS	5.04 355	P	Pn	10 03 20.5	-2.1
FVS	Fauske	6.75 300	S	Sn	10 02 38.0	+0.8
HFS	Hagfors	9.10 247	PN	Pn	10 04 19.7	-0.5
HFS	comp=Z,0.1nm,0.3s,baz=50,slow=16,SNR=5.1				10 05 11.2	
HFS	comp=Z,0.2nm,0.3s,baz=56,slow=25,SNR=1.3				10 04 19.7	-0.5
HFS	comp=Z,0.4nm,0.3s,baz=54,slow=32,SNR=2.6				10 05 11.2	
HFS	comp=Z,0.6nm,0.3s				10 02 44.8	+0.7
NOA	NORSAR Array B	9.59 256	PN	Pn	10 02 44.8	+0.7
NOA	NOA	9.59 256	PN	Pn	10 05 27.6	
NOA	baz=56,slow=21,SNR=2.6				10 05 27.6	
NOA	comp=Z,0.5nm,0.7s				10 05 27.6	

KRNET 06 10:09:03.0±0.1, 40.89N±69.53E, mb2.5  
ISC 06 10:09:05.4±2.4, 40.89N±0.06±69.7E±0.1, h10km±16km,  
n10, c1960/18, 12C-8D, Tajikistan

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
					h m s	ISC
BTK	Batken	1.19 134	Op	Pb	10 09 27.3	-0.8
BTK	BTK	1.19 134	Op	Pb	10 09 45.5	+1.0
TRKS	Terek-Say	1.26 59	Op	Pg	10 09 29.2	-0.5
TRKS	TRKS	1.26 59	Op	Pg	10 09 48.1	+2.0
ARK	Arkit	1.93 61	Op	Pb	10 09 40.9	+0.1
ARK	ARK	1.93 61	Op	Pb	10 09 43.5	+0.9
DRK	Karamyk	2.14 130	Op	Pb	10 10 13.1	+2.0
DRK	DRK	2.14 130	Op	Pb	10 09 50.0	+0.6
KK31	Karatay Array	2.30 15	Op	Pg	10 10 20.5	
KK31	0.8nm,0.2s,baz=195,slow=28,SNR=17				10 10 20.5	
OHH	Osh	2.37 98	Op	Pb	10 09 47.2	-1.1
OHH	OHH	2.37 98	Op	Pb	10 09 49.3	-1.5
ARSB	Arslanbob	2.52 79	Op	Pb	10 09 49.3	-1.5
ARSB	ARSB	2.52 79	Op	Pb	10 09 50.0	+0.6
MNAS	Manas	2.64 52	Op	Pb	10 09 50.0	+0.6
MNAS	MNAS	2.64 52	Op	Pb	10 09 56.5	-3.1
SFK	Sufi-Kurgan	3.03 105	Op	Pb	10 10 35.5	-3.1
SFK	SFK	3.03 105	Op	Pb	10 10 21.3	-0.6
AAK	Ala-Archa	3.99 62	Op	Pg	10 11 16.8	
AAK	AAK	3.99 62	Op	Pg	10 11 16.8	

mb6.0/85  
MOS 06 10:11:44.0±0.9, 17.94S±17.81W, h621km, mb6.0/41,  
Error ellipse: s-maj=8.4km s-min=7.2km az=118.9  
IDC 06 10:11:45.5±0.5, 18.05S±178.44W, h627km, mb5.4/27,  
mbmp6.3/32, Error ellipse: s-maj=7.6km s-min=7.1km  
az=133.0  
PTWC 06 10:11:45, 17.90S±178.40W, h658km, Mwp5.7/5, FIJI  
REGION  
NOU 06 10:11:45.6, 18.05S±178.47W, h630km, ML6.2/245, Fiji  
Islands Region  
GFZ 06 10:11:45.9, 18.01S±178.54W, h650km, Mw6.0/75,  
Moment Tensor Solution. Moment tensor: Scale 1018Nm;  
M<sub>0</sub>=0.23; M<sub>11</sub>=0.03; M<sub>22</sub>=0.20; M<sub>33</sub>=0.03; M<sub>12</sub>=0.10; M<sub>13</sub>=1.04;  
Fault plane solution: Mo1.07164x10<sup>18</sup> Np1:  
φ=179.44025°, δ84.21676°, λ84.29686°. NP2:φ=44.18419°,  
δ8.11549°, λ134.45563°. Principal axes: T 1.0853,  
Plg50.4687°, Azm83.1020°; N -0.0278, Plg5.6740°;  
Azm180.0168°; P -1.0575, Plg38.9597°, Azm274.6250°;  
GFZ 06 10:11:45.8±0.2, 18.05S±178.40W, h629km, mb6.3/37,  
mb6.3/37  
NEIC 06 10:11:46.7, 18.01S±178.49W, h633km  
NEIC 06 10:11:46.7, 18.01S±178.49W, h633km  
NEIC 06 10:11:46.8±1.8, 18.00S±0.09±178.47W±0.09,  
h629km, h0km, mb6.3/37, Mw6.1/78, Moment  
Tensor Solution. Moment tensor: Scale 1018Nm;  
M<sub>0</sub>=0.49; M<sub>11</sub>=0.14; M<sub>22</sub>=0.35; M<sub>33</sub>=0.12; M<sub>12</sub>=0.17;  
Fault plane solution: Mo1.54000x10<sup>18</sup> Np1:φ=28.92000°,  
δ9.18000°, λ121.56000°. NP2:φ=177.03000°, δ82.18000°,  
λ85.16000°. Principal axes: T 1.6101, Plg53.0000°;  
Azm81.0000°; N -0.1512, Plg5.0000°; Azm178.0000°; P  
-1.4589, Plg37.0000°; Azm271.0000°;  
IPG 06 10:11:46.0, 18.03S±178.49W, h644km, Mw6.1, Fault  
plane solution: NP1:φ=45.0000°, δ10.0000°;  
λ138.0000°. NP2:φ=177.0000°, δ83.0000°, λ83.0000°;  
GCMT 06 10:11:48.7±0.1, 18.07S±0.01±178.36W±0.01,  
h643km, Mw6.0/161, Moment Tensor Solution.  
s161.c336; s117.c134; Duration: 2;5 Moment tensor:  
Scale 1018Nm; M<sub>0</sub>=0.38±0.1; M<sub>11</sub>=0.01±0.1; M<sub>22</sub>=0.38±0.1;  
M<sub>33</sub>=0.13±0.1; M<sub>12</sub>=0.30±0.1; M<sub>13</sub>=0.30±0.1; Best double  
couple: Mo1.39300x10<sup>18</sup> Np1:φ=57.0000°, δ16.0000°;  
λ150.0000°. NP2:φ=177.0000°, δ82.0000°, λ77.0000°;  
Principal axes: T 1.4070, Plg51.0000°; Azm72.0000°; N  
-0.0290, Plg13.0000°; Azm179.0000°; P -1.3780,  
Plg36.0000°; Azm278.0000°; nst1a refers to body waves,  
cutoff=40s. nst2a refers to mantle waves, cutoff=125s.  
Triaxial moment-rate function  
NEIC 06 10:11:51.1, 18.01S±178.48W, h620km, Moment Tensor  
Solution. Duration: 4;1.0 Moment tensor: Scale 1018  
Nm; M<sub>0</sub>=0.18; M<sub>11</sub>=0.11; M<sub>22</sub>=0.30; M<sub>33</sub>=0.30;  
M<sub>12</sub>=0.96; Fault plane solution: Mo1.05000x10<sup>18</sup> Np1:  
φ=67.92000°, δ16.42000°, λ153.51000°. NP2:  
φ=183.48000°, δ82.75000°, λ75.22000°. Principal axes: T  
0.9548, Plg50.0000°; Azm77.0000°; N 0.1628,  
Plg15.0000°; Azm185.0000°; P -1.1176, Plg36.0000°;  
Azm286.0000°;  
ISC 06 10:11:45.3±0.2, 18.08S±0.03±178.37W±0.03,  
h622km, h0km, h634km, mb6.1/586,  
179C-105D, Fiji Islands region

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
					h m s	ISC
MSVF	Nonsavu	3.42 275	Op	P	10 13 10.6	+1.0
MSVF	884nm,0.9s,baz=120,slow=5.0				10 14 18.8	+0.5
MSVF	Nonsavu	3.42 275	P	P	10 13 09.7	0.0
MSVF	Nonsavu	3.42 275	P	P	10 13 11.1	+1.4
MSVF	Nonsavu	3.42 275	P	P	10 13 11.1	+1.4
MSVF	Nonsavu	3.42 275	S	S	10 14 21.1	+2.7
MSVF	Nonsavu	3.42 275	Op	AML	10 13 10.7	+1.0
MSVF	Nonsavu	3.42 275	P	P	10 13 11.1	+1.4
FUTU	Fugatoga	3.75 4	P	P	10 13 12.0	+0.2
FUTU	Fugatoga	3.75 4	P	P	10 13	

TIAR	comp=Z,2um,1.2s	27.63	93	eP	P	10 16 45.1	-0.1
GIAR	comp=Z,1um,1.0s			eScP	ScP	10 22 25.4	+2.6
TCIS	comp=Z,1um,1.1s	27.68	244	P	P	10 16 45.6	+0.2
TVO	comp=Z,1um,0.8s	27.70	94	eP	P	10 16 45.6	-0.2
TVO	comp=Z,1um,1.4s			eP	pP	10 18 20.1	-1.4
TMZ	Timaru	27.70	197	P	P	10 16 44.5	-0.9
LBZ	Lake Benmore	27.94	198	IAMB	IAMB	10 16 51.1	
LBZ	Lake Benmore	27.94	198	P	P	10 16 45.8	-1.6
ODZ	Otauhu Downs	28.41	196	P	P	10 16 50.8	-0.7
ODZ	Otauhu Downs	28.41	196	P	P	10 16 51.6	+0.1
ODZ	Otauhu Downs	28.41	196	uP	P	10 16 50.7	-0.8
ODZ	Otauhu Downs	28.41	196	P	P	10 16 49.7	-1.8
WKZ	Wanaka	28.69	199	P	P	10 16 53.0	-0.9
XMAS	Kiritimati	28.72	48	P	P	10 16 55.7	+1.1
XMAS	Kiritimati	28.72	48	P	P	10 16 55.7	+1.1
XMAS	Kiritimati	28.72	48	uP	P	10 16 55.7	+1.1
XMAS	Kiritimati	28.72	48	P	P	10 16 55.9	+1.3
TWH1	Toowoomba 1 Ha	28.85	246	P	P	10 16 56.4	+0.7
AUTOO	Toowoomba Stat	28.85	246	P	P	10 16 56.4	+0.7
MSZ	Milford Sound	28.90	200	P	P	10 16 55.6	0.0
EAZ	Earnsclough	28.96	198	P	P	10 16 55.8	-0.5
GLAD	Gladstone	29.24	250	P	P	10 16 58.9	-0.1
EIDS	Eidsvold	29.24	250	P	P	10 16 58.9	-0.1
EIDS	Eidsvold	29.24	250	comp=Z,3um,1.7s,comp=Z,0.0nm	comp=Z,0.0nm	10 16 58.8	-0.3
EIDS	Eidsvold	29.24	250	comp=Z,3um,1.7s,comp=Z,0.0nm	comp=Z,0.0nm	10 16 58.7	-0.3
EIDS	Eidsvold	29.24	250	P	P	10 16 58.7	-0.3
EIDS	Eidsvold	29.24	250	uP	P	10 16 58.7	-0.3
EIDS	Eidsvold	29.24	250	P	P	10 16 58.9	-0.1
PMOR	Pomario Reef	29.36	89	eP	P	10 17 00.0	-0.1
PMOR	comp=Z,1um,1.2s			eP	pP	10 18 36.2	-0.6
PMOR	comp=Z,1um,1.4s			eScP	ScP	10 22 31.7	+3.4
MLZ	Mavora Lakes	29.45	200	P	P	10 17 00.7	+0.2
AUNRC	North Rockham	29.52	254	P	P	10 17 01.0	-0.4
TUAEK	Tuapeka	29.53	197	P	P	10 17 01.1	0.0
VAH	Vahia	29.57	89	eP	P	10 17 01.8	-0.1
DCZ	Deep Cove	29.85	201	P	P	10 17 04.2	+0.3
DCZ	comp=Z,419nm,0.7s			IAMB	IAMB	10 17 07.1	
DCZ	Deep Cove	29.85	201	P	P	10 17 04.3	+0.5
ARMA	Armidale	29.89	240	P	P	10 17 05.8	+1.2
ARMA	Armidale	29.89	240	P	P	10 17 05.5	+1.0
ARMA	Armidale	29.89	240	comp=Z,3um,0.9s,comp=Z,0.0nm	comp=Z,0.0nm	10 17 04.7	+0.1
ARMA	Armidale	29.89	240	P	P	10 17 05.6	+1.0
ARMA	Armidale	29.89	240	P	P	10 17 04.1	-0.5
ARMA	Armidale	29.89	240	P	P	10 17 05.8	+1.2
WHZ	Wether Hill	29.98	199	P	P	10 17 05.7	+0.8
SYZ	Scrubby Hill	30.20	197	P	P	10 17 07.2	+0.4
PYZ	Puyssegur Point	30.30	201	P	P	10 17 11.6	+1.1
PYZ	Puyssegur Point	30.30	201	P	P	10 17 10.3	-0.2
PYZ	Puyssegur Point	30.63	201	P	P	10 17 11.0	+0.5
AUPHS	Peel High Scho	30.71	239	P	P	10 17 11.9	+0.5
APZ	The Pap	30.80	198	P	P	10 17 12.2	+0.2
AUKHS	Kincumber High	31.11	235	P	P	10 17 15.8	+1.1
MGCD	Mangrove Creek	31.23	235	P	P	10 17 17.2	+1.5
MGCD	Mangrove Creek	31.23	235	P	P	10 17 16.4	+0.6
MGCD	Mangrove Creek	31.23	235	P	P	10 17 16.7	+0.9
MGCD	Mangrove Creek	31.23	235	P	P	10 17 17.3	+1.5
RMQ	Roma	31.47	249	P	P	10 17 19.2	+1.2
RMQ	comp=Z,807nm,0.7s			P	P	10 17 18.8	+0.7
RMQ	Roma	31.47	249	P	P	10 17 18.7	+0.7
RMQ	Roma	31.47	249	P	P	10 17 19.2	+1.2
SYDH	Sydney Hard Ro	31.71	234	P	P	10 17 20.8	+0.9
WOLH	Woolongong Har	31.86	233	P	P	10 17 21.5	+0.4
RABL	Rabaul	31.96	292	P	P	10 17 20.8	-1.4
AUAYR	Ayr State High	32.02	269	P	P	10 17 25.8	0.0
AUHS	Ulialula High	32.54	232	P	P	10 17 27.5	+0.7
AULRC	Lightning Ridg	32.69	243	P	P	10 17 28.2	0.0
AUDCS	Dubbo College	32.88	238	P	P	10 17 30.3	+0.6
TV1H	Townsville Har	32.99	262	P	P	10 17 30.4	-0.4
CNB	Canberra Magne	33.35	233	P	P	10 17 35.1	+1.4
CNB	comp=Z,1um,1.0s,comp=Z,0.0nm			comp=Z,0.0nm	comp=Z,0.0nm	10 17 34.9	+1.1
CNB	Canberra Magne	33.35	233	comp=Z,1um,1.0s,comp=Z,0.0nm	comp=Z,0.0nm	10 17 34.9	+1.1
CTAO	Charters Tower	33.45	261	P	P	10 17 34.6	-0.1
CTAO	Charters Tower	33.45	261	P	P	10 17 34.8	+0.1
CTAO	Charters Tower	33.45	261	P	P	10 17 34.9	+0.1
CTAO	Charters Tower	33.45	261	P	P	10 17 34.9	+0.2
CTAO	Charters Tower	33.45	261	ScP	ScP	10 22 45.0	+2.7
AUDAR	Daramalan Coll	33.49	233	P	P	10 17 35.6	+0.7
CAN	Canberra	33.63	233	ScP	ScP	10 17 37.1	+1.1
CAN	Canberra	33.63	233	ScP	ScP	10 22 46.0	+3.3
PATS	Pohnpei	33.80	315	P	P	10 17 38.8	+1.1
PATS	comp=Z,2um,1.2s,comp=Z,0.0nm			P	P	10 17 38.4	+0.8
PATS	Pohnpei	33.80	315	P	P	10 17 38.4	+0.8
PATS	comp=Z,2um,1.2s			P	P	10 17 38.7	+1.1
MILA	Mila	34.20	230	P	P	10 17 41.9	+1.1
MILA	comp=Z,480nm,1.3s,comp=Z,0.0nm			P	P	10 17 41.2	+0.4
MILA	Mila	34.20	230	uP	P	10 17 40.3	-0.4
AUSMG	Snowy Mountain	34.34	231	P	P	10 17 43.0	-0.1
PMG	Port Moresby	34.52	280	P	P	10 17 44.4	+0.8
PMG	Port Moresby	34.52	280	d/P	pmax	10 17 44.5	+0.8
PMG	Port Moresby	34.52	280	P	pmax	10 17 44.7	+1.1
PMG	Port Moresby	34.52	280	uP	P	10 17 44.5	+0.9
PMG	Port Moresby	34.52	280	uP	P	10 17 44.8	+1.1
PMG	Port Moresby	34.52	280	P	P	10 17 44.8	+1.1
PMG	Port Moresby	34.52	280	ScP	ScP	10 17 44.8	+1.1
PMG	Port Moresby	34.52	280	P	ScP	10 22 48.0	+1.8
CMSA	Cobar Meteorol	35.10	241	P	P	10 17 48.9	+0.7
CMSA	comp=Z,6um,1.1s,comp=Z,0.0nm			P	P	10 17 48.8	+0.6
CMSA	Cobar Meteorol	35.10	241	P	P	10 17 48.8	+0.6
CMSA	comp=Z,6um,1.1s,comp=Z,0.0nm			P	P	10 17 48.8	+0.6
CMSA	Cobar Meteorol	35.10	241	P	P	10 17 48.6	+0.4
CMSA	Cobar Meteorol	35.10	241	P	P	10 17 48.9	+0.7
MTSU	Mount Surprise	35.42	264	P	P	10 17 51.2	+0.1
MTSU	comp=Z,6um,1.1s,comp=Z,0.0nm			P	P	10 17 51.0	-0.2
MTSU	Mount Surprise	35.42	264	P	P	10 17 50.9	-0.2
MTSU	comp=Z,6um,1.1s,comp=Z,0.0nm			P	P	10 17 51.2	+0.1
QLP	Quilpie	35.51	249	P	P	10 17 51.9	+0.3
QLP	comp=Z,10um,0.8s,comp=Z,0.0nm			comp=Z,0.0nm	comp=Z,0.0nm	10 17 51.8	+0.1
QLP	Quilpie	35.51	249	P	P	10 17 51.4	-0.2
QLP	Quilpie	35.51	249	uP	P	10 17 51.8	+0.1
QLP	Quilpie	35.51	249	uP	P	10 17 51.9	+0.3
JOHN	Johnston Islan	35.67	15	P	P	10 17 53.8	+0.9
JOHN	Johnston Islan	35.67	15	P	P	10 17 53.9	+1.0
JOHN	Johnston Islan	35.67	15	uP	P	10 17 53.9	+0.9
JOHN	Johnston Islan	35.67	15	P	P	10 17 54.0	+1.0
JOHN	Johnston Islan	35.67	15	P	P	10 17 53.6	+0.7
AUSSC	Sale College,	36.13	229	P	P	10 17 57.8	+1.2

GLAD	Gladstone	36.76	224	P	P	10 18 02.1	+0.5
TOO	Tooolangi	37.09	231	P	P	10 18 05.3	+0.8
TAO	Tooolangi	37.09	231	uP	P	10 18 05.2	+0.8
AUMAG	Angama Anglican	37.14	234	P	P	10 18 05.5	+0.7
COEN	Coen	37.14	271	P	P	10 18 05.9	+0.8
COEN	Coen	37.14	271	uP	P	10 18 06.2	+1.1
COEN	Coen	37.14	271	P	P	10 18 06.4	+1.2
MANU	Manus Island	37.19	291	P	P	10 18 06.5	+1.0
MANU	Manus Island	37.19	291	uP	P	10 18 06.2	+0.6
CORO	Coronation Par	37.55	234	P	P	10 18 09.1	+1.1
MLBS	Spotswood, Mel	37.62	231	P	P	10 18 09.5	+0.8
MOO	Moorlands	37.99	223	P	P	10 18 12.8	+1.2
MOO	Moorlands	37.99	223	comp=Z,1um,1.0s,comp=Z,0.0nm	comp=Z,0.0nm	10 18 12.6	+1.0
MOO	Moorlands	37.99	223	comp=Z,1um,1.0s,comp=Z,0.0nm	comp=Z,0.0nm	10 18 12.6	+1.0
MOO	Moorlands	37.99	223	P	P	10 18 12.4	+0.8
MOO	Moorlands	37.99	223	P	P	10 18 12.1	+0.4
MOO	Moorlands	37.99	223	P	P	10 18 12.9	+1.2
AUTAR	Taroona High S	38.13	222	P	P	10 18 13.7	+1.0
TAU	Tasmania Univ	38.14	222	P	P	10 18 13.5	+0.7
TAU	Tasmania Univ	38.14	222	P	P	10 18 13.7	+0.9
TAU	comp=Z,815nm,0.9s			pmax	pmax	10 18 13.7	+0.9
TAU	Tasmania Univ	38.14	222	P	IAMB	10 18 13.7	+0.9
TAU	comp=Z,815nm,0.9s			IAMB	IAMB	10 18 14.7	
TAU	Tasmania Univ	38.14	222	uP	P	10 18 13.5	+0.7
TAU	Tasmania Univ	38.14	222	P	P	10 18 13.7	+0.9
TAU	Tasmania Univ	38.14	222	P	P	10 18 13.5	+0.7
TAU	Tasmania Univ	38.14	222	P	P	10 20 12.6	+2.2
TAOE	Nuku Hiva Isla	38.22	81	eP	P	10 18 14.5	+0.5
TAOE	comp=Z,1um,25.1s			eS	S	10 23 16.7	-8.0
TAOE	comp=Z,3um,29.5s			eSS	SS	10 26 34.3	-1.3
TAOE	Nuku Hiva Isla	38.22	81	P	P	10 18 15.7	+1.8
TAOE	Nuku Hiva Isla	38.22	81	P	P	10 18 16.0	+2.0
TAOE	Nuku Hiva Isla	38.22	81	uP	P	10 18 15.9	+2.0
TAOE	Nuku Hiva Isla	38.22	81	P	P	10 18 16.1	+2.0
TAOE	Nuku Hiva Isla	38.22	81	P	P	10 18 15.8	+1.8
AUMRC	Burnie High Sc	38.22	226	P	P	10 18 14.4	+0.9
AUBRT	Blair Athol	38.24	232	P	P	10 18 14.2	+1.1
AUBRT	Blair Athol	38.24	232	P	P	10 18 15.2	+1.0
STKA	Stevens Creek	38.58	241	P	P	10 18 17.7	+1.1
STKA	Stevens Creek	38.58	241	P	P	10 18 17.5	+1.0
STKA	Stevens Creek	38.58	241	comp=Z,1um,1.0s,comp=Z,0.0nm	comp=Z,0.0nm	10 18 17.5	+1.0
STKA	Stevens Creek	38.58	241	P	P	10 18 17.1	+0.6
STKA	comp=Z,3um,0.8s,baz=77,slow=8.9,SNR=2826			ScP	ScP	10 23 02.5	+1.3
STKA	comp=Z,1.123nm,0.9s,baz=75,slow=4.4,SNR=4.8			ScP	ScP	10 23 29.2	-0.2
STKA	comp=Z,1.111nm,1.0s,baz=79,slow=15,SNR=4.4			S	S	10 48 08.7	
STKA	comp=Z,2.0nm,1.0s,baz=266,slow=5.6,SNR=18			P	P	10 51 59.5	-6.6
STKA	comp=Z,1.5nm,0.6s,baz=214,slow=2.4,SNR=2.8			P	P	10 18 17.2	+0.7
STKA	Stevens Creek	38.58	241	P	P	10 18 17.6	+1.1
STKA	Stevens Creek	38.58	241	P	P	10 18 17.6	+1.1
ARPS	Mount Arapiles	39.58	234	P	P	10 18 2	

Table with columns: Station, Frequency, Power, Mode, and other technical details. Includes stations like SANI, MBWA, AUKUL, etc.

Table with columns: Station, Frequency, Power, Mode, and other technical details. Includes stations like SRBI, RTBI, SMKI, etc.

Table with columns: Station, Frequency, Power, Mode, and other technical details. Includes stations like SKR, JTV, UNV, etc.











6d 10h

Table with columns: SIM, comp, N, 30um, 3, 2s, pmax, pmax, and various alphanumeric codes and numbers representing data points.

2020 OCT

Table with columns: STEB, Sterborice, 145.67 3411, ePKP, PKPbc, 10 30 15.8 +0.9, and various alphanumeric codes and numbers representing data points.

340

Table with columns: ABNA, Allensteig Bun, 147.49 343, i PKP, PKPdf, 10 30 16.5 +0.3, and various alphanumeric codes and numbers representing data points.

Table with columns: SOTA, comp=N, 210nm, 0.6s, epPKP, pPKPdf, 10 32 47.3 +1.8, etc. Lists various SOTA stations and their parameters.

Table with columns: PVAQ, PBVD, PBVD, KEST, etc. Lists various stations and their parameters, including NEIC 06 10:13:06.7±1.5, 43.7N; 010°13'05.0W, etc.

Table with columns: PEL, CO2, CO2, CO2, etc. Lists various stations and their parameters, including KRNET 06 11:25:12.2±0.1, 40°52'N; 72°60'E, h14km, mb2.5, etc.

SJA 06 11:32:47.5:0.6, 20.76Sx70.16W, h55km, 4km, ML3.5, MW3.7
NEIC 06 11:32:48.8:1.3, 20.78S; 0.03p:70.2W:0.1, h45km, 5km, ML3.7/28, ML3.4(GUC), Error ellipse: s-maj=15.5km s-min=4.3km az=91.0
GUC 06 11:32:49.6:0.5, 20.77S; 70.08W, h48km, 2km, ML3.4, Presumed earthquake

ISC 06 11:32:49.0:1.3, 20.76S; 0.02:70.19W:0.06, h47km, 8km, n44, c135/71, 6C-5D, Near coast of northern Chile

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various seismic stations and their recorded data.

mbtmp3.9/9, Error ellipse: s-maj=30.5km s-min=12.6km az=71.0
NEIC 06 11:46:23.2:1.4, 6.34N; 0.08x125.9E:0.2, h123km, 7km, mb4.9/6, MLv4.5/8, Mw(MB)A, 1/5
DJA 06 11:46:24.0:0.4, 6.34N; 0.12x126.6E:1, h10km, M4.5/8, mb4.8/5, mb4.9/6, MLv4.5/8, Mw(MB)A, 1/5
ISC 06 11:46:22.8:0.7, 6.37N; 0.04:125.91E:0.06, h124km, 6km, n49, c119/65, mb4.2/17, Mindanao

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various seismic stations and their recorded data.

DJA 06 12:00:08.0:0.4, 1.54S; 137.7E:1, h10km, M4.3/11, mb4.5/3, MLv4.2/11
IDC 06 12:00:09.9:1.4, 1.88S; 137.07E, h0km, mb3.9/4, mbtmp3.9/4, ML5.3/1, MS3.1/2, Error ellipse: s-maj=80.1km s-min=25.0km az=87.0
ISC 06 12:00:10.3:1.6, 1.55S; 0.2:137.0E:0.1, h32km, n12, c054/10, mb3.9/4, Near north coast of Irian Jaya

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various seismic stations and their recorded data.

mbtmp3.9/6, MS3.5/6, Error ellipse: s-maj=157.6km s-min=30.4km az=0.0
ISC 06 12:12:58.9:4.9, 30.1N; 142.0W:0.2, h10km, n15, c1905/6, mb4.1/6, MS3.5/6, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various seismic stations and their recorded data.



Table with columns: Code, Station Name, Az, El, Phase ID, h, m, s, Res. Includes stations like Rivas, Paraso, Mercedes San J, etc.

IDC 06 13:17:29.5:0.5, 0.83S, 122.22E, h0km, mb4.3/18, mbtmp4.3/21, ML4.2/3, MS3.6/3, Error ellipse: s-maj=14.4km s-min=10.7km az=86.0

GFZ 06 13:17:32.7:0.2, 1 S, 3 x 12.2E, h10km, M4.8/19, mb4.8/19, confirmed

DJA 06 13:17:33.2:0.1, 1 S, 2 x 12.2E, h10km, M4.7/42, mb5.2/15, mb5.0/24, MLv4.9/42, Mw(mb)4.6/15

NEIC 06 13:17:36.1:1.4, 0.93S, 0.05:122.18E:0.01, h4km, mb4.8/38, Error ellipse: s-maj=7.3km s-min=1.9km az=177.0

ISC 06 13:17:34.6:0.3, 0.92S, 122.11E:0.04, h31km, n179, a1545/190, mb4.7/57, MS4.4/11, Minahassa Peninsula, Sulawesi

Main table with columns: Code, Station Name, Az, El, Phase ID, h, m, s, Res. Lists various seismic stations and their coordinates.

Table with columns: Station Name, Az, El, Phase ID, h, m, s, Res. Lists various seismic stations and their coordinates.

Table with columns: Station Name, Az, El, Phase ID, h, m, s, Res. Lists various seismic stations and their coordinates.



IDC 06 13:17:36.8s.5.8, 14.566S:72.01W, h117km, mB3.6/3, mbmp3.9/5, Error ellipse: s-maj=51.0km s-min=31.6km az=89.0

NEIC 06 13:17:39.5s.1.4, 15.35S:01x72.2W:0.1, h115km, 13km, mb4.0/3, Error ellipse: s-maj=20.1km s-min=10.8km az=42.0

ISC 06 13:17:39.5s.1.1, 15.30S:009:72.17W:0.09, h132km, n21, s147/22, mb4.1/3, Southern Peru

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, ISC. Lists various seismic stations and their parameters.

BUJ 06 13:22:00.4, 9.06N:126.60E, h30km, mB5.3/6, mb4.7/27, Ms4.5/9, Ms7.4/29

MAN 06 13:22:02.0, 9.40N:126.81E, h2km, MS4.4

NEIC 06 13:22:02.3s.1.0, 9.59N:0.07x126.7E:0.1, h10km, 1km, mb4.8/43, Error ellipse: s-maj=17.0km s-min=11.8km az=97.0

GFZ 06 13:22:06.5s.0.3, 10.1N:4x12.7E:1, h43km, M4.9/21, mb4.9/21, confirmed

DJA 06 13:22:07.0, 10.1N:5x12.7E:1, h66km, 5km, M5.2/48, mb4.8/48, mB5.6/12, MLv5.4/3, MW(mB)5.1/12

GCMT 06 13:22:09.3s.0.4, 9.53N:0.03x126.63E:0.02, h23km, 1km, MW4.9/62, Moment Tensor Solution. s29.c30; s62.c86; Duration: 0 Moment tensor: Scale 10^16Nm; Mr0.00z.21; Mw0.51z.12; M00-2.51z.14; M00-0.35z.21; M00.04z.07; Mr1.72z.20; Best double couple: M2.86z0.00z.10/16

NP1s=190.00000, s27.00000, A.106.00000. NP2: 6s351.00000, s64.00000, A.82.00000. Principal axes: T 2.6300, P1g70.0000, Azm244.0000, N 0.4690, P1g7.0000, Azm355.0000, P -3.0980, P1g19.0000, Azm87.0000. nst1a refers to surface waves, cutoff=40s. nst2a refers to surface waves, body waves, cutoff=50s. Triangular moment-rate function

IDC 06 13:22:05.0s.0.8, 9.48N:0.03x126.71E:0.05, h32km, 5km, mb1.4/29, mbmp4.4/30, MS3.8/20 Error ellipse: s-maj=21.6km s-min=7.4km az=81.0

ISC 06 13:22:05.0s.0.8, 9.48N:0.03x126.71E:0.05, h32km, 5km, mb1.4/29, mbmp4.4/30, MS3.8/20 Error ellipse: s-maj=21.6km s-min=7.4km az=81.0

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, ISC. Lists various seismic stations and their parameters.

Main table with columns: Station Name, Az, Phase ID, ISC, Time, Res, ISC. Lists various seismic stations and their parameters.

Table with columns: Station Name, Az, Phase ID, ISC, Time, Res, ISC. Lists various seismic stations and their parameters.



BLDU	Batidulu	21.19 171	P	P	13 57 15.3 +1.6
KLBR	Kellerberrin	22.33 169	P	P	13 57 25.6 -0.2
MUN	Mundaring	22.46 173	P	P	13 57 28.2 +0.9
WBO	Warramunga Arr	23.07 118	P	P	13 57 34.1 +0.4
WRA	Warramunga Arr	23.09 119	P	P	13 57 34.1 +0.1
WRA	comp-Z, 4.5nm, 0.7s, baz=286, slow=1.2, SNR=5.9		S	S	14 01 39.8 -2.9
WRA	comp-Z, 0.4nm, 0.6s, baz=303, slow=1.6, SNR=1.3		LR	LR	14 07 03.4
WRAB	Tennant Creek	23.09 119	P	P	13 57 34.4 +0.4
WRAB	Tennant Creek	23.09 119	P	P	13 57 34.9 +0.8
WRAB	comp-Z, 1.4nm, 0.8s		IAMB	IAMB	13 57 53.8
WRAB	Tennant Creek	23.09 119	P	P	13 57 36.1 +2.0
WR8	Warramunga Arr	23.23 119	P	P	13 57 36.0 +0.6
WR8	Warr	23.23 119	P	P	13 57 54.8
WJBJ	comp-Z, 1.131nm, 1.9s		LR	LR	14 07 47.9
NWAO	Narrogin (SRO)	23.54 171	LR	LR	14 07 47.9
NWAO	Narrogin (SRO)	23.54 171	P	P	13 57 39.9 +1.6
NWAO	comp-Z, 1.1um, 1.9s, baz=301, slow=3.8		P	P	13 57 55.6
NWAO	Narrogin (SRO)	23.54 171	P	P	13 57 55.6
AS31	Alice Springs	24.44 127	P	P	13 57 48.0 +1.2
ASAR	Alice Springs	24.44 127	P	P	13 57 47.9 +1.2
ASAR	comp-Z, 1.18nm, 0.7s, baz=304, slow=8.8, SNR=22.9		PcP	PcP	14 01 25.5 +0.2
ASAR	comp-Z, 0.4nm, 0.5s, baz=305, slow=2.5, SNR=1.7		LR	LR	14 07 50.5
ASAR	comp-Z, 4.42nm, 20.7s, baz=299, slow=37				
ASAR	Alice Springs	24.44 127	P	P	13 57 48.0 +1.3
ASO1	Alice Springs	24.47 127	P	P	13 57 48.4 +1.3
FORT	Forrest	25.35 148	P	P	13 57 56.8 +2.0
FORT	Forst	25.35 148	IAMB	IAMB	13 58 29.7
QI2	Mount Isa	27.92 116	P	P	13 58 20.0 +1.7
QIZ	Qiongzhong	28.62 354	S	S	13 58 25.9 +1.5
QIZ	QIZ		L	L	14 03 14.3 +3.6
QIZ	comp-Z, 620nm, 14.3s		L	L	
QIZ	comp-Z, 340nm, 10.7s		L	L	
QIZ	comp-Z, 760nm, 13.7s		L	L	
CMAR	Chiang Mai Arr	31.11 334	P	P	13 58 45.6 -0.8
CMAR	comp-Z, 5.0nm, 0.7s, baz=188, slow=8.5, SNR=45		LR	LR	14 12 18.7
CMAR	comp-Z, 5.09nm, 18.2s, baz=155, slow=38				
CMAR	Chiang Mai	31.11 334	P	P	13 58 46.4 -0.1
CHTO	Chiang Mai	31.43 334	P	P	13 58 48.5 -0.8
CHTO	Chiang Mai	31.43 334	P	P	13 58 48.8 -0.5
CHTO	Chiang Mai	31.43 334	P	P	13 58 48.4 -0.8
CHTO	Chiang Mai	31.43 334	P	P	13 58 58.3 -0.4
CHTO	Chiang Mai	31.43 334	P	P	13 58 53.0 +2.2
MTSU	Mount Surprise	31.59 109	P	P	13 58 54.0 +1.4
INKA	Innaminka	31.81 128	P	P	14 16 08.1
PMG	Port Moresby	33.76 93	LR	LR	14 16 08.1
CTA	comp-Z, 1.69nm, 19.2s, baz=280, slow=42				
CTA	comp-Z, 5.6nm, 1.0s, baz=311, slow=1.1, SNR=2.1		LR	LR	14 14 01.1
CTA	comp-Z, 4.16nm, 20.6s, baz=280, slow=38				
CTA	comp-Z, 5.0nm, 1.0s		IAMB	IAMB	13 59 11.4 +1.3
CTAO	Charters Tower	33.80 112	P	P	13 59 27.4
CTAO	Charters Tower	33.80 112	IAMB	IAMB	13 59 27.4
YULB	Yu-Hi	33.81 14	P	P	13 59 10.6 +0.6
STKA	Stephens Creek	34.59 134	P	P	13 59 18.2 +1.5
STKA	comp-Z, 7.9nm, 0.7s, baz=308, slow=8.4, SNR=13				14 14 02.8
STKA	comp-Z, 1.1um, 2.1s, baz=295, slow=37				
STKA	Stephens Creek	34.59 134	P	P	13 59 17.8 +1.0
STKA	Stephens Creek	34.59 134	P	P	13 59 18.2 +1.5
SAIK	Pallekele	36.21 296	LR	LR	14 15 11.5
PALK	comp-Z, 2.24nm, 19.1s, baz=110, slow=37				
SAIHA	Saiha	37.41 329	eP	P	13 59 39.4 -1.7
SAIH	SAIH		IAMB	IAMB	13 59 41.9
PZH	Panzhihua	37.51 343	P	P	13 59 44.5 +2.6
MORE	Moret	38.24 332	P	P	13 59 46.7 +1.3
BRDH	Baridhadha	38.27 327	LR	LR	14 17 20.7
JOW	Kunigami	39.17 22	LR	LR	14 19 27.7
GUMO	Guam	39.20 54	LR	LR	14 15 53.7
KOHI	KOHIMA	39.61 333	eP	P	13 59 57.9 -1.6
KOHI	comp-Z, 1.2nm, 0.6s		IAMB	IAMB	14 00 00.4
MOKO	MOKOCHONG	39.95 334	eP	P	14 00 01.4 -1.0
MOKO	MOKO		IAMB	IAMB	14 00 02.4
H0S2	Diego Garcia H	40.00 270	T	T	14 42 35.4
H0S3	Diego Garcia H	40.01 270	T	T	14 42 33.4
H0S1	Diego Garcia H	40.02 270	T	T	14 42 41.9
SHL	Shillong	40.52 330	P	P	14 40 06.3 -0.9
SHL	Shillong	40.52 330	eP	P	14 00 06.2 -1.0
SHL	Shillong	40.52 330	IAMB	IAMB	14 00 07.1
CD2	Chengdu	41.24 348	P	P	14 00 12.3 -0.6
CD2	comp-Z, 2.20nm, 0.8s				
CD2	comp-Z, 590nm, 10.2s		L	L	
CD2	comp-Z, 640nm, 14.0s		L	L	
CD2	comp-Z, 510nm, 15.2s		L	L	
SSE	Sheshan	41.24 11	P	P	14 00 13.2 +0.4
NJ2	Nanjing	41.81 8	eP	P	14 00 19.3 +1.8
NJ2	Nanjing		P	P	
XAN	Xi'an	43.58 355	P	P	14 00 31.0 -0.8
XAN	comp-Z, 5.0nm, 0.6s				
XAN	comp-Z, 1.6nm, 1.0s		L	L	
XAN	comp-Z, 580nm, 16.5s		L	L	
XAN	comp-Z, 220nm, 16.5s		L	L	
LYN	LuoYang	43.92 359	P	P	14 00 33.9 -0.6
LYN	comp-Z, 650nm, 22.7s		P	P	
LSA	Lhasa	44.35 333	iP	P	14 00 32.4 -6.3
LSA	Lhasa		P	P	
EVN	Everest	45.09 327	P	P	14 00 43.7 -1.1
EVN	comp-Z, 8.8nm, 0.6s		IAMB	IAMB	14 00 48.1
EVN	Everest	45.09 327	P	P	14 00 44.1 -0.6
TIA	Tai'an	45.75 5	P	P	14 00 47.6 -1.5
TIA	comp-Z, 2.0nm, 0.6s				
JNU	Nakatsue	45.81 21	LR	LR	14 20 38.5
LZDM	Lanzhou Array	46.15 350	P	P	14 00 52.0 -0.6
LZDM	comp-Z, 1.1nm, 0.6s, baz=162, slow=8.1, SNR=5.9		LR	LR	14 22 26.4
LZH	Lanzhou	46.25 350	eP	P	14 00 53.2 0.0
LZH	Lanzhou		sP	P	14 01 06.7 -0.1
LZH	comp-Z, 35nm, 1.0s		L	L	
LZH	comp-Z, 420nm, 17.2s		L	L	
LZH	comp-Z, 250nm, 14.9s		L	L	
LZH	comp-Z, 550nm, 17.7s		L	L	
TATA	Tanabata Isabel	46.30 92	P	P	14 00 55.5 +1.7
HNR	Honiara	46.35 94	P	P	14 00 54.7 +0.5
HNR	comp-Z, 9.3nm, 0.4s, baz=211, slow=5.9, SNR=2.5		LR	LR	14 21 58.2

HNS	HongShan	46.79 2	iP	P	14 00 56.4 -0.8
HNS	HNS		P	P	
HNS	comp-Z, 13nm, 0.7s		L	L	
HNS	comp-Z, 300nm, 21.0s		L	L	
HNS	comp-Z, 150nm, 13.1s		L	L	
HNS	comp-Z, 310nm, 21.2s		L	L	
BHPL	Bhopal	47.67 314	eP	P	14 01 02.8 -1.6
BHPL	comp-Z, 5.2nm, 0.8s		IAMB	IAMB	14 01 05.4
HURO	Hungu Maikra	48.20 95	P	P	14 01 11.3 +2.6
KSR5	Korea Array	48.88 16	P	P	14 01 12.9 -0.5
KSR5	comp-Z, 3.2nm, 0.7s, baz=204, slow=8.6, SNR=13		LR	LR	14 22 42.3
KSR5	comp-Z, 7.8nm, 21.8s, baz=205, slow=37				
BJJ2	Beijing	49.47 3	P	P	14 01 17.0 -0.9
BJJ2	Beijing		P	P	
BTO2	Baotou	50.18 357	eP	P	14 01 27.3 +3.8
BTO2	comp-Z, 13nm, 0.9s		P	P	
BTO2	comp-Z, 13nm, 0.9s		P	P	
INU	Inuyama	50.18 26	P	P	14 01 21.4 -2.0
INU	Inuyama	50.18 26	P	P	14 01 21.4 -2.0
HHC	Hu-ho-hao-te	50.22 359	eP	P	14 01 27.1 +3.4
HHC	HHC		P	P	
HHC	comp-Z, 12nm, 0.5s		P	P	
HHC	comp-Z, 80nm, 3.7s		P	P	
GA2A	Gaotai	50.35 347	eP	P	14 01 24.7 -0.1
GA2A	GA2A		P	P	14 01 30.8 -3.8
GA2A	GA2A		P	P	14 02 44.4 +1.3
GA2A	comp-Z, 9.0nm, 0.8s		L	L	
GA2A	comp-Z, 240nm, 18.1s		L	L	
GA2A	comp-Z, 280nm, 16.5s		L	L	
GA2A	comp-Z, 290nm, 19.0s		L	L	
MJAR	Matsushiro Arr	51.70 26	P	P	14 01 32.7 -2.2
MJAR	comp-Z, 13nm, 0.8s, baz=235, slow=16, SNR=9.2		LR	LR	14 25 12.7
MJAR	comp-Z, 5.7nm, 19.2s, baz=214, slow=38				
MJAR	comp-Z, 13nm, 0.8s		LR	LR	14 01 42.8 -2.2
SMLA	Simla	53.06 321	eP	P	14 01 47.6
SMLA	comp-Z, 25nm, 0.5s		IAMB	IAMB	14 01 46.0 -0.9
XLT	XiLinHaoTe	53.33 3	eP	P	14 01 46.0 -0.9
XLT	XLT		P	P	14 01 55.6 -1.1
XLT	comp-Z, 15nm, 0.8s		P	P	
XLT	comp-Z, 230nm, 4.2s		P	P	
DHRM	DHARAMSHALA	54.37 322	eP	P	14 01 52.5 -2.4
DHRM	DHRM		IAMB	IAMB	14 01 54.9
THN	Thein Dam	54.83 321	eP	P	14 01 55.7 -2.3
THN	THN		IAMB	IAMB	14 01 56.4
USA0B	Ussuriysk Arra	56.28 16	IAMB	IAMB	14 02 09.5
USA0B	comp-Z, 14nm, 0.9s				
USRK	Ussuriysk Arr	56.28 16	P	P	14 02 06.4 -1.7
USRK	comp-Z, 9.8nm, 0.8s, baz=198, slow=6.5, SNR=16		LR	LR	14 26 57.2
USRK	comp-Z, 60nm, 21.2s, baz=204, slow=37				
USRK	comp-Z, 9.8nm, 0.8s		LR	LR	14 26 57.2
JTM	Tennabayashi	56.48 25	P	P	14 02 08.6 -0.9
CASY	Cassey	56.61 181	P	P	14 02 19.9 +0.7
CASY	Cassey		IAMB	IAMB	14 02 12.9
CASY	comp-Z, 23nm, 1.9s				
CASY	Casey	56.61 181	P	P	14 02 11.2 +1.0
BNX	BinXian	56.62 12	iP	P	14 02 08.7 -1.7
BNX	comp-Z, 10.0nm, 0.9s		P	P	
ULN	Ulaanbaatar	57.46 355	P	P	14 02 15.4 -1.2
ULN	Ulaanbaatar	57.46 355	P	P	14 02 16.6
ULN	Ulaanbaatar	57.46 355	P	P	14 02 15.4 -1.2
ULN	Ulaanbaatar	57.46 355	P	P	14 02 15.9 -0.7
ULN	Ulaanbaatar	57.46 355	P	P	14 02 15.5 -1.2
SOMM	Songino Array	57.48 355	P	P	14 02 15.5 -1.3
SOMM	comp-Z, 15nm, 0.7s, baz=178, slow=8.8, SNR=76				14 29 24.2
SOMM	comp-Z, 228nm, 18.2s, baz=178, slow=39				
SOMM	comp-Z, 15nm, 0.7s				
SOMM	Songino Array	57.48 355	P	P	14 02 15.4 -1.3
SOMM	comp-Z, 16nm, 0.8s		IAMB	IAMB	14 02 16.8
WMQ	Urumqi	57.91 339	eP	P	14 02 19.2 -0.5
WMQ	WMQ		P	P	
WMQ	comp-Z, 24nm, 0.8s		L	L	
WMQ	comp-Z, 190nm, 24.2s		L	L	
HILR	Hailar Array B	59.22 5	P	P	14 02 27.0 -1.7
HILR	comp-Z, 5.6nm, 0.6s, baz=189, slow=8.3, SNR=6.4				
HILR	comp-Z, 5.6nm, 0.6s				
WUS	Wushi	59.32 331	P	P	14 02 29.1 -0.7
WUS	Wushi		P	P	
WUS	Wushi	59.32 331	P	P	14 02 28.6 -1.1
KSHZ	Kashi	59.56 327	P	P	14 02 30.1 -1.9
KSHZ	KSHZ		P	P	
ASAJ	Asahikawa	59.87 24	LR	LR	14 29 25.6
ASAJ	comp-Z, 44nm, 21.7s, baz=236, slow=37				
DRV	Dumont d'Urville	59.88 168	P	P	14 02 34.4 +1.4
DRV	DRV		P	P	14 02 45.5 +2.3
SHLS	Shalkode	60.73 332	eP	P	14 02 37.2 -2.1
SHLS	comp-Z, 6.9nm, 0.6s		LR	LR	14 32 13.6
KLR	Kul'dur	60.88 14	LR	LR	14 32 13.6
KLR	comp-Z, 108nm, 19.0s, baz=219, slow=39				
UZZB	Uzynbulak	60.92 332	eP	P	14 02 39.7 -1.0
UZZB	comp-Z, 5.3nm, 0.5s				
HEH	Heihe	60.94 11	eP	P	14 02 38.9 -1.5
HEH	Heihe		P	P	
HEH	comp-Z, 13nm, 0.7s		P	P	
NRN	Naryn	61.09 329	IAMB	IAMB	14 02 41.4
NRN	comp-Z, 7.2nm, 0.7s				
SATY	Saty	61.14 332	eP	P	14 02 41.0 -1.1
SATY	Saty		P	P	
KPKS	Kokpek	61.32 33			

6d 13h

Table with columns for station name, frequency, power, and signal strength. Includes stations like USHA, Ushuaia, East Falkland, Isla Dawson, Cerro Sombrero, etc.

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Table with columns for station name, frequency, power, and signal strength. Includes stations like ITOB, GO04, CO01, LCO, LCO, LCO, etc.

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Table with columns for station name, frequency, power, and signal strength. Includes stations like ROSC, URZ, KSANE, SDV, LSZ, PPT2, etc.



6d 14h

Table with columns: Station Name, Time, Res, ISC, and other parameters. Includes stations like MNRZ, MKAR, KURBB, KURK, ZALV, BVAR, VNDA, SBA, AB31, ASKAR, ARTI, ASF, EMI, MIL, BRTR, BRTR, AKASG, MLR, FINES, PDAR.

TEH 06 14:11:25.0, 32.87N, 46.85E, h10km, 30km, ML2.6, Presumed earthquake

ISN 06 14:11:27.6, 1.2, 32.82N, 46.86E, h30km, 7km, ML2.6, Presumed earthquake

ISC 06 14:11:25.9, 1.4, 32.76N, 46.88E, 0.05, h22km, n12, 0.157/14, Iran-Iraq border region

Table with columns: Code, Station Name, Time, Res, ISC, and other parameters. Includes stations like IBDR, ILBA, IKFM, IDOB, KCHF, IGHG, IBZA, IDHR, SNQR, AMIS, SNUK, IKRK, IKRK.

NEIC 06 14:11:48.0, 1.6, 18.98S, 0.09, 175.57W, 0.09, h204km, 7km, mb4.1/16, Error ellipse: s-maj=13.9km

IDC 06 14:11:53.7, 3.2, 19.07S, 175.80W, h255km, 27km, mb3.6/12, mbtmp4.2/13, Error ellipse: s-maj=25.4km

ISC 06 14:11:50.4, 0.6, 19.15S, 0.1, 175.49W, 0.07, h231km, n43, 0.159/33, mb3.9/16, Tonga Islands

Table with columns: Code, Station Name, Time, Res, ISC, and other parameters. Includes stations like NIUE, AFI, AFI, MSFV, MSFV, URZ, URZ, TCW, DSZ, EIDS, CTAO, STKA, WR8, WR8, WBO, WBO, WRAB, WRAB, AS31, ASAR, ASAR, WRA, WRA, WRA, KNRA, SIJI, FITZ, FITZ, VNDA, VNDA, MJAR, MJAR, MAJO, MAJO, GSPA, GSPA, GSPA, GSPA, KRSR, KRSR, MAW.

Table with columns: Station Name, Time, Res, ISC, and other parameters. Includes stations like MAW, TXAR, TXAR, H03S1, H03S2, H03S3, H03N2, H03N3, H03N1, RIDG, RIDG, BCAR.

WEL 06 14:24:45.2, 0.3, 40.52S, 174.91E, h10km, 4km, M3.4/70, ML3.4/19, MLV3.4/70, Error ellipse: s-maj=3.9km

NOU 06 14:24:46.6, 40.16S, 174.91E, h29km, MLV3.6/16, Cook Strait, New Zealand

ISC 06 14:24:45.9, 1.0, 40.14S, 0.02, 174.91E, 0.02, h22km, 3km, n151, 0.089/160, Cook Strait

Table with columns: Code, Station Name, Time, Res, ISC, and other parameters. Includes stations like WDCS, OHWZ, OHWZ, WAZ, WAZ, WAZ, FOXO, H0CS, PNMS, PNBS, PNBS, OTKS, POWZ, POWZ, POWZ, OGWZ, OGWZ, OGWZ, KIW, KIW, MANG, MRZ, MRZ, PAPS, LREZ, LREZ, LREZ, EKTS, EKTS, ORCS, THHS, MIVZ, MIVZ, MIVZ, HOWZ, HOWZ, PRWZ, PRWZ, PRWZ, PKVZ, PKVZ, PKVZ, HUKS, TMDZ, WNVZ, WNVZ, DVHZ, DVHZ, DVHZ, TRVZ, TRVZ, TRVZ, CAW, CAW, CAW, MOVZ, MOVZ, MOVZ, TRVZ, WRCS, WRCS, PREZ, PREZ, PREZ, PWFZ, PWFZ, PWFZ, PNHZ, PNHZ, VRZ, VRZ, TUWZ, TUWZ, COVZ, COVZ, COVZ, NEZ, NEZ, NMEZ, NMEZ, KHEZ, KHEZ, KHEZ, BHHZ, BHHZ, DREZ, DREZ, DREZ, NGVZ, NGVZ, SNVZ, SNVZ, MTW, MTW, OTVZ, OTVZ, TWVZ, TWVZ, WEL, WEL, WEL, WTVZ, WTVZ, WTVZ.

Table with columns: Station Name, Time, Res, ISC, and other parameters. Includes stations like BMFZ, BFZ, BFZ, BFZ, MANGA, MANGA, MANGA, TORY, TORY, WPHZ, WPHZ, WPHZ, ETVZ, ETVZ, ETVZ, SNZO, SNZO, SNZO, PKE, PKE, PKE, KRZV, KRZV, KRZV, NBEZ, NBEZ, NBEZ, TMWZ, TMWZ, TMWZ, NTVZ, NTVZ, NTVZ, TMWZ, TMWZ, TMWZ, KRHZ, KRHZ, KRHZ, ANWZ, ANWZ, ANWZ, CPWZ, CPWZ, CPWZ, BHWZ, BHWZ, BHWZ, MSWZ, MSWZ, MSWZ, PAWZ, PAWZ, PAWZ, KATZ, KATZ, KATZ, PRHZ, PRHZ, PRHZ, KRHZ, KRHZ, KRHZ, KWHZ, KWHZ, KWHZ, RIHZ, RIHZ, RIHZ, TRWZ, TRWZ, TRWZ, RAIZ, RAIZ, RAIZ, PLWZ, PLWZ, PLWZ, PLWZ, PLWZ, PXZ, PXZ, PXZ, MCHZ, MCHZ, MCHZ, KAHZ, KAHZ, KAHZ, BKZ, BKZ, BKZ, BKZ, BKZ, BKZ, WATZ, WATZ, WATZ, NNZ, NNZ, NNZ, NNZ, NNZ, NNZ, HIZ, HIZ, HIZ, HIZ, HIZ, HIZ, CMWZ, CMWZ, CMWZ, CKWZ, CKWZ, CKWZ, TKNZ, TKNZ, TKNZ, MRHZ, MRHZ, MRHZ, MRHZ, MRHZ, MRHZ, ARAZ, ARAZ, ARAZ, ARAZ, ARAZ, ARAZ, KUTZ, KUTZ, KUTZ, NMHZ, NMHZ, NMHZ, ARHZ, ARHZ, ARHZ, TLZ, TLZ, TLZ, WPRZ, WPRZ, WPRZ, ALRZ, ALRZ, ALRZ, QUARZ, QUARZ, QUARZ, QUARZ, QUARZ, QUARZ, MTHZ, MTHZ, MTHZ, PRRZ, PRRZ, PRRZ, HRRZ, HRRZ, HRRZ, MRNZ, MRNZ, MRNZ, RAHZ, RAHZ, RAHZ, WHZ, WHZ, WHZ, RRRZ, RRRZ, RRRZ, MUGZ, MUGZ, MUGZ, RTZ, RTZ, RTZ, THZ, THZ, THZ, NGRZ, NGRZ, NGRZ, TARZ, TARZ, TARZ, TOZ, TOZ, TOZ, KHZ, KHZ, KHZ, URZ, URZ, URZ, UREZ, UREZ, UREZ, TGRZ, TGRZ, TGRZ, MWZ, MWZ, MWZ, DSZ, DSZ, DSZ, MUKZ, MUKZ, MUKZ, RUGZ, RUGZ, RUGZ, AWAZ, AWAZ, AWAZ, FWGZ, FWGZ, FWGZ, GVZ, GVZ, GVZ, ETAZ, ETAZ, ETAZ, WTAZ, WTAZ, WTAZ, HAZ, HAZ, HAZ, LTZ, LTZ, LTZ, WIAZ, WIAZ, WIAZ, RVAZ, RVAZ, RVAZ, WMGZ, WMGZ, WMGZ, INZ, INZ, INZ, MIZ, MIZ, MIZ, WCAZ, WCAZ, WCAZ, OUZ, OUZ, OUZ, OUZ, OUZ, OUZ, ODZ, ODZ, ODZ.

IDC 06 14:25:54.9, 2.2, 9.21S, 113.06E, h0km, mb3.8/5, mbtmp3.8/6, ML3.8/1, Error ellipse: s-maj=139.5km, s-min=16.4km, az=47.0



NEIC 06 14:25:59.8, 1.5, 9.54S:0.08:112.88E:0.04, h35km, 1km, mb4.0/12, Error ellipse: s-maj=13.7km s-min=5.5km az=17.0

DJA 06 14:26:00.6:0.5, 10.5:5.11\*3E:1, h10km, M4.2/30, MLV4.2/30

ISC 06 14:25:59.2:0.7, 9.59S:0.09:112.85E:0.04, h36km, n45, z=236/45, mb4.0/9, South of Jawa

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, ID, Time, Res, ISC. Lists stations like JAGI, BLJI, SNIJ, etc.

MAN 06 14:29:18.0, 9.15N:126.72E, h16km, MS4.0
IDC 06 14:29:34.2:1.0, 8.01N:124.70E, h173km, 11km, mb3.5/11, mbmp4.0/11, MS3.9/3, Error ellipse: s-maj=45.1km s-min=13.2km az=70.0

ISC 06 14:29:15.2:1.9, 9.11N:104.126:90E:0.06, h14km, 11km, n34, z=220/45, mb3.9/11, Mindanao

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, ID, Time, Res, ISC. Lists stations like TSSP, BIPH, KCP, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, ID, Time, Res, ISC. Lists stations like SONM, STKA, PALK, etc.

IDC 06 14:31:09.4:7.8, 35.66S:179.38E, h43km, 62km, mb3.7/3, mbmp3.9/4, ML3.6/1, Error ellipse: s-maj=56.4km s-min=30.3km az=54.0

WEL 06 14:31:10.0:1.1, 36.5:10.17\*9E:1.2, h145km, 25km, M3.8/19, ML3.8/18, MLV3.8/19, Error ellipse: s-maj=16.5km s-min=11.7km az=61.4, confirmed

NEIC 06 14:31:13.0:0.4, 35.85S:179.39E:0.02, h70km, 11km, mb4.1/8, Error ellipse: s-maj=21.6km s-min=10.3km az=111.0

ISC 06 14:31:13.4:1.9, 35.74S:0.09:179.3E:0.1, h84km, 16km, n49, z=195/50, mb4.2/5, Off east coast of North Island

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, ID, Time, Res, ISC. Lists stations like MXZ, WMGZ, PKGZ, etc.

MAN 06 14:29:18.0, 9.15N:126.72E, h16km, MS4.0
IDC 06 14:29:34.2:1.0, 8.01N:124.70E, h173km, 11km, mb3.5/11, mbmp4.0/11, MS3.9/3, Error ellipse: s-maj=45.1km s-min=13.2km az=70.0

ISC 06 14:29:15.2:1.9, 9.11N:104.126:90E:0.06, h14km, 11km, n34, z=220/45, mb3.9/11, Mindanao

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, ID, Time, Res, ISC. Lists stations like URZ, WAIZ, MHGZ, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, ID, Time, Res, ISC. Lists stations like QSPA, H03S2, H03S1, etc.

IDC 06 14:47:26.7:6.6, 22.91N:142.63E, h262km, 61km, mb3.5/9, mbmp4.0/10, Error ellipse: s-maj=57.0km s-min=11.4km az=74.0

ISC 06 14:47:25.2:1.6, 22.9N:0.2:142.7E:0.2, h250km, n10, z=85/11, mb3.7/9, Volcano Islands region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, ID, Time, Res, ISC. Lists stations like KRSR, SONM, CMAR, WRA, ASAR, MKAR, etc.

WEL 06 15:09:52.6:1.3, 33.3S:21.18\*0W:2.2, h349km, 32km, M4.0/7, MB4.4/3, ML3.9/11, MLV4.0/7, Mw(MB)3.5/3, Error ellipse: s-maj=31.5km s-min=24.3km az=124.7, confirmed, South of Kermadec Islands

ISC 06 15:14:45.7:1.1, 9.75S:0.1:122.82E:0.06, h36km, n19, z=155/19, mb3.6/4, South of Jawa

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, ID, Time, Res, ISC. Lists stations like MXZ, WMGZ, GRZ, etc.

IDC 06 15:14:38.1:2.4, 10.10S:112.06E, h0km, mb3.5/4, mbmp3.6/5, ML3.4/1, Error ellipse: s-maj=117.9km s-min=20.1km az=45.0

DJA 06 15:14:45.8:0.6, 10.5:5.11\*3E:1, h10km, M3.9/24, MLV3.9/24

ISC 06 15:14:45.7:1.1, 9.75S:0.1:122.82E:0.06, h36km, n19, z=155/19, mb3.6/4, South of Jawa

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, ID, Time, Res, ISC. Lists stations like JAGI, BLJI, SNIJ, etc.

6d 15h

Table with columns for station name, time, and other parameters. Includes stations like ASAR Alice Springs, MKAR Makanchi Array, ZALV Zalesovo Beam.

IDC 06 15:21:09.6:0.9,3:07N-65:53E,h0km,mb3.9/11, mbtmp>9.11,MS3.6/12, Error ellipse: s-maj=27.2km s-min=21.7km

NEIC 06 15:21:11.9:1.2,3:13N:0:08:65:52E:0:09,h10km,1km, mb4.6/17, Error ellipse: s-maj=15.3km s-min=13.0km az=128.0

ISC 06 15:21:11.0:0.5,3:08N:0:09:65:55E:0:08,h10km,n50, 0:56Z/33,mb4.3/19,MS3.5/11, Carlsberg Ridge

Main table for station data, columns include Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists numerous stations like KAAM Kaadhehdoo, MSEA Maad Island, PALK Palkeleke, etc.

MOS 06 15:32:09.6:1.0,2:07:08N:140:29E,h451km,mb4.0/17, Error ellipse: s-maj=10.5km s-min=6.6km az=120.3

IDC 06 15:32:12.1:1.3,2:07:10N:140:20E,h460km,13km, mb3.6/19,mbtmp4.4/25, Error ellipse: s-maj=15.9km s-min=10.1km az=90.0

NEIC 06 15:32:12.1:1.3,2:07:12N:0:1:140:14E:0:05,h454km,8km, mb4.1/50, Error ellipse: s-maj=15.8km s-min=4.2km az=160.0

JMA 06 15:32:12.7:0.1,2:07:14N:140:07E,h438km,MV4.1/32,W OFF OGASAWARA

ISC 06 15:32:11.2:0.5,2:711N:0:07:140:22E:0:08,h450km, n131,0:15/16/138,mb4.1/57,6C-1D, Bonin Islands region

Table with columns for station name, time, and other parameters. Includes stations like CBUJ Chichi jima, JHUJ Mitsune, JHJH Hachijo jima 2, etc.

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Main table for station data, columns include station name, time, and other parameters. Lists numerous stations like JTO Tosashimizu, INU Inuyama, JHUJ Hanno, etc.

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Table with columns for station name, time, and other parameters. Lists numerous stations like ARSB Arslanbob, ARSB Arslanbob, CAST Castle Rocks, etc.

NEIC 06 15:33:59.4:1.1,1:877N:0:05:145:4E:0:2,h60km,10km, mb4.3/8, Error ellipse: s-maj=26.2km s-min=6.3km az=94.0

IDC 06 15:34:01.5:6.0,1:8:68N:145:34E,h84km,50km,mb3.3/4, mbtmp>3.75,ML3.9/1, Error ellipse: s-maj=122.4km s-min=22.5km az=112.0

ISC 06 15:33:58.1:0.9,1:83:82N:0:07:145:4E:0:2,h50km,n16, 0:59/18,mb4.0/8,Mariana Islands

Table with columns for station name, time, and other parameters. Includes stations like Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists numerous stations like DPSS Saipan, GUMO Guam, GUMO Guam, etc.

Table with columns: ILAR, Elselon Array, 63.66 26 P, P, 15 44 25.0 +1.1, ARSB, Arslanbob, 64.78 307 P, Iamb, P, 15 44 31.2 -0.6, NVAR, Mina Array Bay, 83.28 52 P, P, 15 46 19.6 -0.4

MDD 06 15:54:51.7-1.0, 32.03N-16.76W, h0km, Mb4.6/1.7, M, mb4.1/1.7, Error ellipse: s-maj=8.2km s-min=7.1km az=136.0

INMG 06 15:54:53.7-1.1, 32.35N-16.81W, h14km, ML2.5, Error ellipse: s-maj=5.6km s-min=1.5km az=85.0

ISC 06 15:54:37.6-1.2, 32.09N-0.05-16.53W, 0.06, h10km, n26, #137/45, 18C, Madeira Islands region

Main table for Madeira Islands region with columns: Code, Station Name, Az, Phase ID, Time, Res, FUL Funchal, PMAR Madeira, PMOZ Porto Moniz, PMPST Porto Santo, CPUN Puntallana, CMIR El Paso, TBT Taburiente, CBRE Brena Baja, CENR El Paso, CJED Jeday, EHIG Higuera, EHIH Higuera, CGUI Guimar, CNOR Icod de los Vi, CDOS Garachico, MACI Morro de la Ar, CLAJ Vilaflor, CFUE Fuerteventura, CLUM San Bartolome, CGIN Giratingamar, CJUL El Julian, CJUL Rimuhau

WEL 06 15:56:47.6-1.5, 33.5S-22.18W, 2.3, h265km, 54km, M4.1/7, mB4.5/1, ML3.9/1.1, MLV4.1/7, Mw(Mb)3.7/1, Error ellipse: s-maj=32.3km s-min=26.1km az=48.0, confirmed, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, WMGZ Waiomatatini S, HAZ Te Kaha, PKGZ Pakihiroa, PUKETI Puketiti, RANG Raukumara Rang, TAUH Tauhareparea, CARN Carnagh Statio, MATA Matawai, TEK Te Karaka, WAIU Waipu Caves, UREW Urewera, RIMU Rimuhau

Table with columns: RIGZ, RIGZ, RIGZ, MUGZ, MUGZ, RTZ, RTZ, MHGZ, MHGZ, NDI 06 16:03:31.9-1.6, 19.91N-72.82E, h2km, 9km, ML3.4, MW3.5, Presumed earthquake, Southern India

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, BOM Bombay, POO Poona, KAD Karad, LATR Latur, AKLA Akola, BHPL Bhopal, BHPH Bhopal, HYB Hyderabad, NGP Nagpur, MNGI Mangalore

ISC 06 16:22:04.6-2.8, 33.82N-78.97E, h0km, mb3.2/5, mbtmp3.3/7, ML3.0/2, MS3.2/1, Error ellipse: s-maj=90.0km s-min=19.9km az=72.0

ISC 06 16:22:10.0-2.2, 34.0N-02-79.1E, 0.4, h35km, n8, #073/7, mb3.2/3, Kashmir-Xizang border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, MKAR Makanchi Array, KURBS Kurchatov Arra, BVAR Borovoye Array, ZALV Zalesovo Beam, CMAR Chiang Mai Arr, HFS Hagfors, WRA Warramunge Arr, ASAR Alice Springs

OMAN 06 16:35:46.5-0.7, 22.98N-63.13E, h26km, 15km, mb3.8/18, m3.8/8, Error ellipse: s-maj=11.0km s-min=3.8km az=98.0

DSN 06 16:35:49.6-2.0, 23.34N-62.85E, h15km, ML3.8/13, Error ellipse: s-maj=36.0km s-min=17.5km az=27.0

ISC 06 16:36:27.9-3.0, 28.34N-64.47E, h0km, mb3.5/4, mbtmp3.6/4, MS3.2/1, Error ellipse: s-maj=172.4km s-min=41.1km az=4.0

ISC 06 16:35:45.8-1.5, 23.00N-0.07-63.23E, 0.09, h35km, n47, #1506/62, mb3.5/4, Off coast of Pakistan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, NGCH Negor - Chabab, JLN Jagan Bani Buh, WBK Wadi Bani Khal, SQUM Sultan Qaboos, BIDO Bidbid, BIDO Samad, SMDO Jabal Madar, MHTO MHTO, HOQ Hoqain, BSY Bisy, JASK Jask - Hormozg, DOM Araqi, SOHO SOHO, UOSS UOSS, MDH Madha, HATD Hatta, ASHO Ashiyah, ASHO Ashiyah, ASHO Ashiyah, MASF Esma-Masafi, MASF Masafi, ALNE Al Ain, ALNE Al Ain, BANOM Banah, BANOM Banah, SHME Shamm, SHME Shamm, NAZ Nazwa, NAZ Nazwa

Table with columns: NAZ, FAQ, FAQ, ASUD, ASUD, ASUD, ASUD, UMZA, UMZA, MZKA, DMTO, DOK, WHFO, ABTO, KBZ, MKAR, ZALV, SONM, TIXI

NOU 06 16:50:48.8, 10.57S-161.52E, h8km, MLV4.7/14, Solomon Islands

ISC 06 16:50:51.9-1.6, 11.02S-160.83E, h0km, mb3.5/3, mbtmp3.6/4, ML3.7/1, MS2.8/1, Error ellipse: s-maj=42.8km s-min=16.5km az=67.0

ISC 06 16:50:48.5-0.9, 10.58S-0.07-161.52E, 0.05, h10km, n16, #1943/15, mb3.2/3, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, HURO Huro Makira, HURO Huro Makira, NGAO Tingoa Renbel, NGAO Tingoa Renbel, HNR Honiara, HNR, SAVO Savo Central, SAVO Savo Central, TATA Tatamba Isabel, TATA Tatamba Isabel, NUC Port Laguerre, DZM Mont Dzumac

WRA Warramunge Arr, ASAR Alice Springs, KAPI Kappang, SONM Songino Array

ISC 06 16:54:04.2-1.3, 22.60N-121.82E, h0km, mb3.3/5, mbtmp3.4/6, ML3.6/1, MS2.7/1, Error ellipse: s-maj=37.4km s-min=23.1km az=74.0

JMA 06 16:54:05.1-0.2, 22.6N-0.6-121.8E, 0.7, h19km, 3km, MV4.0/17, TAIWAN REGION

TAP 06 16:54:05.3, 22.53N-121.69E, h23km, ML4.0, C

ISC 06 16:54:03.7-1.1, 22.54N-0.02-121.74E, 0.02, h7km, 8km, n170, #126/281, mb3.2/3, Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, LDUT Ludao, LDUT, LAY Lan-yu, LAY Lan-yu, LYUB Lan-yu, TTN Taitung, EDH Donghe, EDH, CHKT Chengkung, CHKT, TWBT Beinan, TWBT Beinan, TWBT Beinan, TWBT, LONT Longtian, LONT, TWG Pinlang, TWG, CHKH Chenggong, CHKH, ECL Taimali, ECS, ECS, FULB Fuli, FULB, FULB Haiduan, TAW Tawu, TAW, ECBN Changbin, ECBN, TAWH Dawu Township, TAWH, EAST Anshuo, EAST, EAST, TWFI Yuli, ELDTW Lidau, ELDTW, SLIU Shizi, SLIU, YULB Yu-li, YULB Yu-li, YULB Yu-li, SMST Manzhou Townsh, SMST, HGSD Ruisui, HGSD, TSEB Hengchuen, Pin, EWY Wangrong, EWY, MASBT Mashibuluo, TSMG Majia, EHY Hungye, SSD Sandimen, TWKB Hengchun, TWKB, SCZT Fangliu, TWK1 Hengchun, TWK1, HEN Hengchun, SNW Nanwan, SNW, SSPT Xinbi, STYH Taoyuan, STYT Taoyuan, SLGT Liugu, EGFF Guangfu, EGFF, YJCH Jichi Village, YJCH, YUS Yu-Shan, YUS, SGST Jiashian, SGST, WARB Fengtin Townsh, WARB

Table with columns: Station Name, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SHUL Shoufeng, TWM1 Shoushan, WTP Ta-pu, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NWF Wu-fen Shan, WFSB Wu-fen Shan, SX11 Grass Mountain, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ANKY Antikythira Is, KTHA Kythira Island, KNDR Palaiochora Ch, etc.



6d 18h

Table of seismic data for 6d 18h, including station names like AK10, AK09, AK08, etc., and their corresponding coordinates and magnitudes.

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Table of seismic data for 2020 OCT, including station names like ARTI, ARTI, ARTI, etc., and their corresponding coordinates and magnitudes.

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Table of seismic data for 356, including station names like PATR, PATR, PATR, etc., and their corresponding coordinates and magnitudes.

IDC 06 18:31:0.1, 3.9, 48S; 112.63E, h0km, mb3.4/4, mbtmp3.6/6, ML3.7/2, MS2.4/1, Error ellipse: s-maj=70.8km s-min=16.0km az=39.0

Table of seismic data for IDC 06 18:35.1, including station names like LEM, LEM, LEM, etc., and their corresponding coordinates and magnitudes.

IDC 06 18:19:40.7, 3.9, 1018S; 112.01E, h0km, mb3.2/3, mbtmp3.4/4, ML3.2/1, Error ellipse: s-maj=211.7km s-min=25.3km az=44.0, South of Jawa

Table of seismic data for IDC 06 18:30:47.2, including station names like FITZ, FITZ, FITZ, etc., and their corresponding coordinates and magnitudes.

IDC 06 18:31:43.8, 0.9, 7.40N; 34.60W, h0km, mb3.9/7, mbtmp3.9/8, ML3.8/1, MS3.4/23, Error ellipse: s-maj=27.2km s-min=20.0km az=135.0

Table of seismic data for IDC 06 18:31:45.5, including station names like I18DK, I18DK, I18DK, etc., and their corresponding coordinates and magnitudes.

IDC 06 18:31:44.6, 0.7, 7.3N; 0.1-34.5W; 0.1, h12km, n46, #1532/21, mb4.2/8, MS3.3/22, Central Mid-Atlantic Ridge

Table of seismic data for IDC 06 18:31:43.8, including station names like I10CA, I10CA, I10CA, etc., and their corresponding coordinates and magnitudes.

IDC 06 18:31:43.8, 0.9, 7.40N; 34.60W, h0km, mb3.9/7, mbtmp3.9/8, ML3.8/1, MS3.4/23, Error ellipse: s-maj=27.2km s-min=20.0km az=135.0

Table of seismic data for IDC 06 18:31:45.5, including station names like I18DK, I18DK, I18DK, etc., and their corresponding coordinates and magnitudes.

IDC 06 18:31:44.6, 0.7, 7.3N; 0.1-34.5W; 0.1, h12km, n46, #1532/21, mb4.2/8, MS3.3/22, Central Mid-Atlantic Ridge

Table of seismic data for IDC 06 18:31:43.8, including station names like I10CA, I10CA, I10CA, etc., and their corresponding coordinates and magnitudes.

IDC 06 18:31:45.5, 1.1, 7.20N; 0.08, 34.6W; 0.1, h10km, 1km, mb4.5/9, Error ellipse: s-maj=21.9km s-min=9.6km az=61.0

Table of seismic data for IDC 06 18:31:44.6, including station names like I18DK, I18DK, I18DK, etc., and their corresponding coordinates and magnitudes.

IDC 06 18:31:43.8, 0.9, 7.40N; 34.60W, h0km, mb3.9/7, mbtmp3.9/8, ML3.8/1, MS3.4/23, Error ellipse: s-maj=27.2km s-min=20.0km az=135.0

Table of seismic data for IDC 06 18:31:45.5, including station names like I18DK, I18DK, I18DK, etc., and their corresponding coordinates and magnitudes.

IDC 06 18:31:44.6, 0.7, 7.3N; 0.1-34.5W; 0.1, h12km, n46, #1532/21, mb4.2/8, MS3.3/22, Central Mid-Atlantic Ridge





6d 20h

Table with columns: Station Name, Time, Magnitude, Location, and other parameters. Includes stations like KSANE, ATD, POGA, LBTB, etc.

2020 OCT

Table with columns: Station Name, Time, Magnitude, Location, and other parameters. Includes stations like PESTR, CM31, CMAR, CHTO, ARTI, etc.

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Table with columns: Station Name, Time, Magnitude, Location, and other parameters. Includes stations like SALT, SLA, IPOC, etc.

SNET 06 19:40:26.51.1, 13.48N:90.02W, h74km, ML3.3, Presumed earthquake
CATAC 06 19:40:26.01.6, 13.13N:91.00W, h19km, 3km, M3.3/15, MLV3.3/15, Error ellipse: s-maj=6.4km s-min=4.9km
GCG 06 19:40:28.70.8, 13.49N:90.05W, h12km, 114km, MD3.8, Presumed earthquake
ISC 06 19:40:26.4.2.2, 13.19N:0109.02W, h29km, 13km, n30, o61/45, Near coast of Guatemala

Table with columns: Code, Station Name, Delta Azimuth, Phase ID, Time, Residual, and other parameters. Includes stations like FAME, JAYA, KEVE, etc.

IDC 06 19:42:40.7.2.3, 23:97S:67.40W, h136km, 22km, mb3.8/4, mbmp4.07, Error ellipse: s-maj=43.7km s-min=18.0km
GUC 06 19:42:42.9.0.7, 23:99S:67.61W, h180km, 6km, ML4.1, Presumed earthquake
SJA 06 19:42:43.1.0.6, 24:01S:67.59W, h160km, 8km, ML3.8, MW3.6
NEIC 06 19:42:43.1.2.7, 24:01S:02:67.7W, 0.1, h169km, 10km, mb4.1/6, ML4.1(GUC), Error ellipse: s-maj=18.4km s-min=3.3km az=88.0
ISC 06 19:42:42.1.0.8, 24:00S:00:46.65W, 0.04, h167km, 8km, n78, o181/100, mb4.0/4, 6C-1D, Chile-Argentina border region

NNC 06 20:01:42.3.0.3, 43:20N:78:10E, h6km, 3km, mb3.1, mpv3.3, Error ellipse: s-maj=3.8km s-min=1.5km az=174.0

KRNET 06:20:01:42.9:0.1, 43.22N:78.09E, h28km, mb3.1
SOME 06:20:01:43.1, 43.20N:78.07E, h15km
ISC 06:20:01:43.0:0.2, 43.20N:0.02:78.08E:0.01, h10km, 9km,
n52, c1508/101, 11C-2ZD, Lake Issyk-Kul region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations and their parameters.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations including Karagaybulak, Chumysh, Sogindiy, etc.

IDC 06:20:11:21.1:1.3, 7.15S:144.31E, h0km, mb3.8/3,
mbtmp:3.76, ML3.1/1, MS3.2/16, Error ellipse:
s-maj=24.0km s-min=18.3km az=29.0

ISC 06:20:11:25.1:0.7, 41.1S:0.09:144.16E:0.08, h35km, n21,
c1981/10, MS3.1/13, Near south coast of New Guinea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations including Port Moresby, Keravat, etc.

IDC 06:20:26:35.1:1.6, 7.56S:127.48E, h142km, 15km, mb3.6/9,
mbtmp:3.15, Error ellipse: s-maj=16.3km s-min=11.5km
az=83.0

DJA 06:20:26:36.7:0.3, 8.3S:3.12E, h216km, 11km, M4.2/21,
mb4.6/7, mb4.1/18, MLV4.0/21, MW(MB)3.9/7
NEIC 06:20:26:36.1:1.5, 7.58S:0.07:127.71E:0.03, h157km, 8km,
mb4.1/14, Error ellipse: s-maj=10.0km s-min=4.1km
az=185.0

ISC 06:20:26:36.6:0.4, 7.60S:0.05:127.74E:0.04, h162km, n74,
c1981/82, mb4.0/14, Banda Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations including Saumlaki, Banda, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations including Sorong, Waingapu, etc.

AS31 Alice Springs 17.04 160 P Pn
ASAR Alice Springs 17.04 160 P Pn

ASAR comp=2.1, 9nm, 0.5s, baz=328, slow=10, SNR=263 S S

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations including Korea Array, Ussuriysk Arr, etc.

NCEDC 06:20:40:58.0:0.2, 39.918N:0.009:123.75W:0.02,
h5km, 3km, Error ellipse: s-maj=2.1km s-min=1.0km
az=62.0

NEIC 06:20:40:58.5:2.0, 39.910N:0.009:123.78W:0.02,
h5km, 1km, ML2.6/80, Md2.8/40(NCEDC), Error ellipse:
s-maj=2.6km s-min=2.5km az=76.0, Near coast of
northern California

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations including Bell Springs, Briceland Vine, etc.



Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like DAV, DAVO City (W), LAZI, Siquijor, etc.

ICD 06 21:25:23.73.9.36:63N;171.58E,h76km,36km,mb3.7/15,mbmp4.0/21,ML3.6/6,MS3.1/3,Error ellipse: s-maj=26.7km s-min=15.3km az=17.0

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like DRK, Karamyk, KBL, Kabul, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like THN, NRN, NARYN, DHRM, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like ARTI, ARTI, ARTI, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like AKKB, Malin Array S, KIEV, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like DAV, DAVO City (W), DAVO City (W), etc.

6d 22h

Table of seismic data for 6d 22h, listing stations like SOEI, SOE1, SOE2, etc., with columns for station name, location, magnitude, time, and other parameters.

20 OCT

Table of seismic data for 20 OCT, listing stations like BCAR, BEAVER, G29M, etc., with columns for station name, location, magnitude, time, and other parameters.

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Table of seismic data for 362, listing stations like DDMP, DDMP, DDMP, etc., with columns for station name, location, magnitude, time, and other parameters.



ISC 06:22:02:52.7,0.3,25.58N,0.04:94.70E,0.04,h50km,n234,
+136/209,mb4.5/90,MS2.8/9,2D,Myanmar-India border region

Table with columns: Code, Station Name, Az, Phase, ID, Time Res, ISC. Includes stations like MOKO MOKOCHONG, MOREH, SHILLONG, BRDH BARIADHALA, etc.

Table with columns: TARG, TARG, Az, Phase, ID, Time Res, ISC. Includes stations like Taragay, Kyrgyz, ASAI, PRZ, PDGK, etc.

Table with columns: AB31, AB31, Az, Phase, ID, Time Res, ISC. Includes stations like Akbulak array, ABKAR, MAJO, etc.

6d 23h

Table with columns: ILAR, Eielson Array, 78.25 23 P P, 22 14 45.8 -1.1, etc. Includes stations like Eielson Array, Saicha River, Steamboat Moun, etc.

MAN 06 22:06:01.0, 9.82N, 126.83E, h1km, MS3.6, NEIC 06 22:06:03.9, 2.0, 9.74N, 126.05E, 1.1, h10km, 1km, mb4.4/13, Error ellipse: s-maj=25.7km s-min=3.6km

IDC 06 22:06:08.2, 3.5, 9.68N, 126.26E, h49km, 34km, mb3.7/12, mbmp4.0/14, ML3.8/2, MS3.1/8, Error ellipse: s-maj=55.0km s-min=16.4km az=65.0

ISC 06 22:06:02.3, 1.6, 9.77N, 126.45E, 0.05, h5km, 10km, n57, r:1955/69, mb4.2/18, MS3.2/6, Mindanao

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Tandag City, Bislig, Cateel, Davao, Palo, etc.

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Table with columns: KURK, Kurchatov Arra, 56.58 326 P P, 22 15 45.9 0.0, etc. Includes stations like Kurchatov Arra, KBL, KKB, etc.

DJA 06 22:17:32.0, 0.7, 8.3S, 101.9E, h24km, 6km, M4.1/30, mb4.6/2, MLV3.9/30, IDC 06 22:17:35.2, 3.8, 8.03S, 109.07E, h92km, 41km, mb3.4/4, mbmp3.7/4, Error ellipse: s-maj=131.1km s-min=22.4km az=48.0

ISC 06 22:17:31.3, 1.0, 8.40S, 108.77E, 0.05, h5km, n25, r:180/22, mb3.5/4, Jawa

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Cimerak, CMIJ, CMJ, SCJ, etc.

IDC 06 22:30:03.6, 2.9, 13.81S, 166.93E, h238km, 26km, mb3.4/10, mbmp4.0/12, Error ellipse: s-maj=19.7km s-min=1.9, 1km az=11.0

ISC 06 22:30:04.0, 4.7, 13.89S, 167.17E, 0.1, h250km, n16, r:89/20, mb3.6/10, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DZM, DZM, MSFV, STKA, WRA, etc.

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Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Tandag City, Cateel, Davao, Palo, etc.

IDC 06 22:50:33.7, 0.9, 29.90S, 178.13W, h82km, 13km, mb3.2/3, mbmp3.6/4, Error ellipse: s-maj=37.1km s-min=20.7km az=101.0

ISC 06 22:50:31.0, 2.6, 30.02S, 177.50W, 0.4, h100km, n6, r:145/7, mb3.5/3, Kermadec Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Raoul Island, Urewera, URZ, etc.

BJI 06 23:02:04.6, 34.26N, 137.89E, h299km, mb4.8/11, mb 0/72, MOS 06 23:02:05.0, 1.0, 34.27N, 138.01E, h295km, mb4.7/54, Error ellipse: s-maj=8.2km s-min=3.9km az=122.2

GFZ 06 23:02:06.0, 4.0, 34.34N, 137.83E, h300km, 3km, M4.9/19, mb5.2/19, NEIC 06 23:02:06.9, 1.6, 34.30N, 137.93E, 0.08, h296km, mb4.6/118, Error ellipse: s-maj=10.8km s-min=8.4km az=54.0

JMA 06 23:02:06.8, 0.2, 34.1N, 137.83E, h302km, 1km, MD4.8/40, MV4.6/40, ENSYUNADA, JMA Fell I, JT, at ENSYUNADA, IDC 06 23:02:06.2, 0.5, 34.27N, 137.94E, h291km, 4km, mb4.3/26, JJKS 06 23:02:03.1, Error ellipse: s-maj=11.0km s-min=6.6km az=67.0

NIED 06 23:02:06.8, 34.36N, 138.01E, h302km, MW4.6, Moment Tensor Solution, S3 Moment tensor: Scale 1015Np1; M0:5.6; M1:4.7; M2:5.23; M3:4.86; M4:3.73; M5:0.73; Fault plane solution: Mo:8500000, 144.000000, 883.000000, 144.000000, 883.000000, 854.000000, 144.000000, 883.000000, 854.000000, 144.000000, NP2: 242.000000, 144.000000, 883.000000, 854.000000, 144.000000, 883.000000, 854.000000, 144.000000

ISC 06 23:02:06.0, 6.0, 4.3430N, 0.04, 137.95E, 0.05, h298km, 2km, n668, r:1926/682, mb4.7/183, 36C-52N, Near south coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TONANKAI O.B.S., Sagara, etc.

Table with columns for country codes (e.g., JYN, INU, JOD2), names (e.g., Shimob, Inuyama, Odawara 2), and numerical data (e.g., 1.29 22 P Pn, 23 02 48.7 +0.4).

Table with columns for country codes (e.g., KLR, NJ2, TYV), names (e.g., Kul'dur, Nanjing, Tymovskoe), and numerical data (e.g., comp=Z,3.1nm,1.0s,baz=91,slow=0.4,SNR=4.7).

Table with columns for country codes (e.g., TOLIZ, GENI, FAKI), names (e.g., Tolitoli, Genyem, Fak Fak), and numerical data (e.g., 36.71 210 P Iamb, 23 08 43.9 -2.0).

6d 23h

Table with columns: Station Name, Frequency, Mode, Power, and Signal. Includes stations like Taragay, Kyrgyz, Manton Dam, Medeo, etc.

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Table with columns: Station Name, Frequency, Mode, Power, and Signal. Includes stations like Alice Springs, Phillip's Co, Marble Bar, etc.

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Table with columns: Station Name, Frequency, Mode, Power, and Signal. Includes stations like Kislovodsk, Kishinev, Al Ain, etc.







Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Kununurra, Fitzroy Crossi, Chiang Mai Arr, etc.

CNRM 07 00:33:52.8, 36°51'N; 7°51'W, h22km, ML2.6
SFS 07 00:33:56.0, 36°44'N; 7°51'W, h28km, ML2.5/12, ML2.7/12, ML2.4/12
INMG 07 00:33:56.8, 1.6, 36°68'N; 7°49'W, h22km, 4km, ML1.4, Error ellipse: s-maj=4.4km s-min=3.3km az=65.0, #DIST\_RANGE: LOCAL #IPMA, REGION: Golfo de Cadiz
IGIL 07 00:33:56.6, 36°68'N; 7°47'W, h20km
MDD 07 00:33:57.0, 8, 36°75'N; 7°41'W, h35km, mb\_Lg2.3/9, Error ellipse: s-maj=7.5km s-min=3.7km az=12.0
ISC 07 00:33:54.1±1.1, 36°61'N; 0°03:7°41'W; 0°03: h31km, 11km, n57, r1924/104, 2D, Strait of Gibraltar

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Barranco-do-Ve, Vaqueiros, Castro Verde, Marlete, etc.

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Espera, Mina Concepcio, Messejana, Sao Teotonio, Beja, Barrancos, etc.

NIED 07 00:34:06.4, 32°70'N; 130°77'E, h10km, MW3.6, Moment Tensor Solution, s3 Moment tensor: Scale 10^14 Nm; Mm-2.54; Mm2.51; Mm0.03; Mm-0.99; Mm1.30; Mm-1.02; Fault plane solution: M2 98000x1014 NP; phi=239.00000; delta=836.00000; lambda=102.00000. NP2: phi=74.00000; delta=855.00000; lambda=82.00000.
JMA 07 00:34:06.4±0.0, 32°70'N; 130°77'E; 0.1, h10km, MW3.5/20, NW KUMAMOTO PREF, Kyushu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Izumi3, Tamana, Takazaki, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Saraoutou, Honiara, Mont Dzumac, etc.













Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

ISU 07 03:02:45, 40.08N-70.96E, h23km
KRNET 07 03:02:46.2, 0.1, 40.21N-71.34E, h15km, mb3.2

SOME 07 03:02:49.7, 1.4, 40.30N-71.12E, h5km
ISC 07 03:02:45.7, 1.4, 40.15N-70.94E, h4km, z=11km,

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

TRN 07 04:01:29.7, 10.68N-61.82W, h5km, MD3.5, North-west of Trinidad, Trinidad

NEIC 07 04:02:13.3, 1.3, 20.70S-0.09:178.0W, 0.1, h506km, 6km, mb4, 1/15, Error ellipse: s-maj=19.4km s-min=10.7km

ISC 07 04:02:14.5, 1.6, 20.75S-178.16W, h515km, 18km, mb3, 1/10, mblp=0.4, 0.13, Error ellipse: s-maj=22.7km

ISC 07 04:02:12.7, 0.5, 20.66S-108.477W, 0.08, h500km, n46, r121/49, mb3.9, 21, CFI, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like DRK Karamyk, ARSB Arslanbob, ARSBS Arslanbob, NRN Naryn, etc.

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like KURS 25nm,1.1s, UZB Uzunbulak, UZB 21nm,1.1s, etc.

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like WRS comp=2.5,0nm,1.1s, ASAR Alice Springs, ASAR Alice Springs, etc.







7d 6h

Table with columns for station name, frequency, power, and signal strength. Includes stations like EDFI Ende, Flores, MMRI Maumere, and various regional stations.

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Table with columns for station name, frequency, power, and signal strength. Includes stations like GIRL Giralia, GIRL Giralia, GIRL Giralia, and various regional stations.

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Table with columns for station name, frequency, power, and signal strength. Includes stations like MTSU Mount Surprise, MTSU Mount Surprise, MTSU Mount Surprise, and various regional stations.



Table with columns: Station Name, Location, Time, Magnitude, Intensity, Direction, and other parameters. Includes stations like KSRS, LZDM, LZH, LSA, MJAR, etc.

Table with columns: Station Name, Location, Time, Magnitude, Intensity, Direction, and other parameters. Includes stations like MAW, ARK, VVDA, VVDA, VVDA, etc.

Table with columns: Station Name, Location, Time, Magnitude, Intensity, Direction, and other parameters. Includes stations like GTBY, GTBY, GTBY, etc.



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VAND2, VAND3, VAND4, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ZAVS, ARSA, SESA, MOA, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BBAC, MCRA, ZUMB, POCP, etc.

LJU 07:07:48:54.7, 46:39N:15:07E, h0km, 1D, Confirmed Rockburst, Northwestern Balkan Peninsula

7d 8h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like China Lake, Pinedale Array, Hardware Ranch, etc.

WEL 07 08:14:56.7±1.1, 33°S, 24°18'0W±2.9, h370km, 43km, M4.1/6, mB4.3/3, ML4.0/8, MLv4.2/6, Mw(MB)3.5/3, Error ellipse: s-maj=43.4km s-min=23.0km az=125.7, confirmed, South of Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Waioamatatini S, Te Kaha, Puketiti, etc.

ASRS 07 08:35:36.0±1.5, 53°73N±91.13E, h0km, M3.5(MOS), The earthquakes of Russia in 2020. Obninsk, GS RAS, 2022. NNC 07 08:35:49.4±7.4, 53.01N±90.32E, h0km, mB3.4, mpv3.1, 6C-2D, Error ellipse: s-maj=74.7km s-min=54.3km az=45.0, Suspected Mining explosion, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Zalesovo Array, Kurchatov Arra, etc.

IDC 07 08:52:09.0±1.6, 9.47S±112.69E, h0km, mb4.0/8, mbmp4.0/9, ML3.9/11, MS3.0/7, Error ellipse: s-maj=71.4km s-min=15.4km az=48.0, DJA 07 08:52:15.7±0.5, 9°S±4°11'3E±, h10km, M4.2/1, MLv4.2/1, ISC 07 08:52:14.3±0.9, 9.6S±0.1±112.83E±0.05, h36km, n33, ±2510/23, mb4.0/9, MS3.4/5, South of Jawa

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Jajag, Banyuwana, Sawahan-Nganju, etc.

2020 OCT

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Wanganaga, Kahanag-Kahang, Kappang, etc.

WEL 07 08:54:41.6±1.2, 34°S±7°17'9W±1°10, h12km, M3.9/4, mB4.5/1, ML4.1/11, MLv3.9/4, Mw(MB)3.7/1, Error ellipse: s-maj=12.4km s-min=8.9km az=88.5, confirmed, South of Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Matakaoa Point, Waioamatatini S, Te Kaha, etc.

NEIC 07 08:59:29.6±1.6, 61°65N±151°09W, h71km, NEIC 07 08:59:29.4±1.3, 61°64N±0°03:151°11W±0°06, h76km±5km, mb4.5/18, ML4.3/24, Mw4.2/104, ML4.1(AEIC), Error ellipse: s-maj=4.7km s-min=4.1km az=155.0, Moment Tensor Solution. Moment tensor: Scale 10^15 Nm; M1: 1.4; M2: 0.13; M3: 1.27; M4: 0.47; M5: 0.47; M6: 1.66; Fault plane solution: M2 16000°x1015 NP1: 0±319.07000°, ±24.75000°, λ-136.81000°. NP2: 0±188.63000°, ±73.35000°, λ-71.42000°. Principal axes: T 2.1383, P1g26.0000°, Azm264.0000°; N 0.0456, P1g18.0000°, Azm3.0000°; P -2.1838, P1g58.0000°, Azm124.0000°; IDC 07 08:59:29.7±0.6, 61°83N±151°20W, h75km±4km, mb3.9/24, mbmp4.2/30, MS3.0/22 Error ellipse: s-maj=10.8km s-min=9.3km az=53.0, AEIC 07 08:59:30.3±1.1, 61°64N±0°03:151°06W±0.4, h69km±4km, Error ellipse: s-maj=4.5km s-min=3.1km az=179.0, ISC 07 08:59:29.4±0.4, 61°84N±0°03:151°07W±0°03, h75km±4km, n412, ±1940/288, mb4.5/102, 3C, Southern Alaska

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Susitna One, Susitna One, Strandline Lak, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Rabbit Creek A, Captain Cook N, etc.

WEL 07 08:54:41.6±1.2, 34°S±7°17'9W±1°10, h12km, M3.9/4, mB4.5/1, ML4.1/11, MLv3.9/4, Mw(MB)3.7/1, Error ellipse: s-maj=12.4km s-min=8.9km az=88.5, confirmed, South of Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Susitna Watana, White Mountain, etc.

HIN	Hinchinbrook I	2.55 117	Pn	09 00 07.5 -1.0	
HIN			IAML	09 00 39.4	
AGU	Augustine-Summ	2.57 208	Pn	09 00 09.8 +1.0	
DIV	Divide	2.60 99	Sn	09 00 39.3 -0.5	
DIV	Divide	2.60 99	IAML	09 00 41.2	
DIV			IAML	09 00 41.2	
BWN	Brown	2.64 15	Pn	09 00 10.5 +0.8	
BWN	Brown	2.64 15	IAML	09 00 59.4	
O18K	Koktuh Hills	2.71 230	Pn	09 00 10.8 +0.2	
O18K			IAML	09 00 43.3	
L18K	Granite Mounta	2.72 285	Pn	09 00 10.8 0.0	
EYAK	Cordova Ski Ar	2.81 111	P	09 00 11.1 -0.8	
EYAK	Cordova Ski Ar	2.81 111	S	09 00 44.0 -0.6	
EYAK	Cordova Ski Ar	2.81 111	IAML	09 00 56.5	
EYAK	Cordova Ski Ar	2.81 111	IAML	09 00 58.6	
PS12	TAPS Pump St12	2.84 91	Pn	09 00 12.0 -0.4	
J20K	Nowinta River	2.91 332	IAML	09 00 47.7	
J20K			IAML	09 00 47.7	
PAX	Paxson	2.93 61	IAML	09 00 50.0	
PAX			IAML	09 00 50.1	
PS10	TAPS Pump St10	3.04 52	Pn	09 00 16.6 +1.5	
M17K	Holittina River	3.06 268	Pn	09 00 15.4 0.0	
J19K	Poomrai	3.15 320	IAML	09 01 08.3	
N17K	Nushagak Hills	3.18 252	IAML	09 00 54.5	
BMRM	Bremner River	3.19 99	IAML	09 01 06.7	
BMRM			IAML	09 01 07.4	
MID	Middleton Isla	3.22 131	Pn	09 00 17.0 -0.6	
MID			IAML	09 01 26.2	
MID			IAML	09 01 32.0	
K24K	Donnelly Dome	3.26 46	Pn	09 00 20.1 +2.0	
HDA	Harding Lake	3.35 32	IAML	09 01 17.9	
RAGM	Ragged Mountai	3.36 109	Pn	09 00 18.5 -0.9	
GLB	Gilalina Butte	3.48 90	IAML	09 01 05.1	
GLB			IAML	09 01 20.4	
I20K	Naaghdeneel	3.52 336	Pn	09 00 21.9 +0.3	
I20K			IAML	09 01 26.9	
COLA	College	3.56 23	P	09 00 21.7 -0.3	
COLA	College	3.56 23	Sn	09 01 02.9 +0.1	
COLA	College	3.56 23	Sn	09 00 22.0 -0.1	
COLA	College	3.56 23	IAML	09 01 11.1	
RIDG	Independent Ri	3.56 51	IAML	09 01 17.4	
K17K	Iditarod	3.56 291	Pn	09 00 22.2 +0.1	
K17K	Iditarod	3.56 291	IAML	09 01 04.2	
I21K	Tanana	3.58 354	IAML	09 01 42.2	
G18K	Katmai Hardscr	3.59 215	Pn	09 00 23.0 +0.3	
I23K	Minto, Yukon-K	3.60 12	IAML	09 01 39.0	
KAHG	Katmai Hook Gl	3.61 210	Pn	09 00 22.8 -0.1	
P17K	Kvichak River	3.62 230	Pn	09 00 23.8 +0.8	
IL31		3.67 29	Pn	09 00 23.7 +0.1	
ILAR	Eielson Array	3.67 29	P	09 00 23.3 -0.3	
ILAR			S	09 01 02.3 -3.3	
MENT	Mentasta	3.67 66	P	09 00 23.8 +0.1	
MENT	Mentasta	3.67 66	Pn	09 00 23.8 +0.1	
VRDI	Verde Repeater	3.68 93	IAML	09 01 31.3	
KAIM	Kayak Island	3.69 115	IAML	09 01 09.9	
KAIM			IAML	09 01 14.0	
DOT	Dot Lake	3.81 55	IAML	09 01 24.1	
M16K	Timber Creek	3.85 264	Pn	09 00 26.1 0.0	
M16K	Timber Creek	3.85 264	IAML	09 01 09.4	
M16K			IAML	09 01 22.3	
POKR	Poker Plat Res	3.85 24	IAML	09 01 37.0	
L26K	Log Cabin Wild	3.86 66	Pn	09 00 27.1 +0.8	
MCARA	McCarthy VSAT	3.86 90	IAML	09 01 20.5	
M26K	Nabesna, AK	3.88 75	IAML	09 01 27.9	
M26K			IAML	09 01 30.1	
SUCK	Suckling Hills	3.90 111	Pn	09 00 26.4 -0.4	
SUCK	Suckling Hills	3.90 111	IAML	09 01 13.5	
SUCK			IAML	09 01 53.6	
N16K	Nishitk Lake	3.92 256	Pn	09 00 27.2 +0.1	
CRQM	Circus	3.94 100	IAML	09 01 14.5	
J25K	Salcha River,	3.95 38	Pn	09 00 28.9 +1.4	
KDAK	Kodiak Island	3.95 192	P	09 00 28.2 +0.8	
KDAK			S	09 01 09.2 -3.2	
KDAK	Kodiak Island	3.95 192	Pn	09 00 26.5 -0.9	
KDAK			IAML	09 01 25.2	
KDAK			IAML	09 01 27.7	
SCRK	Sand Creek	4.01 51	IAML	09 01 23.3	
SCRK			IAML	09 01 23.6	
L16K	Owhat River	4.01 275	IAML	09 01 15.1	
GRIN	Grindlie Hills	4.02 106	Pn	09 00 26.5 -1.9	
TGL	Tana Glacier	4.08 99	IAML	09 01 19.6	
H21K	Melozitna Rive	4.11 350	Pn	09 00 29.6 0.0	
Q17K	Contact Creek	4.17 218	Pn	09 00 31.2 +0.7	
CAHL	Cahill	4.19 213	Pn	09 00 32.1 +1.4	
H20K	Antoneega Mo	4.22 338	Pn	09 00 31.3 +0.1	
H23K	Yukon River	4.25 8	Pn	09 00 31.8 +0.2	
P16K	Nushagak River	4.32 236	IAML	09 01 47.4	
P16K			IAML	09 02 04.1	
M27K	Edge Creek, AK	4.39 77	IAML	09 01 43.9	
M27K			IAML	09 02 05.1	
H24K	Noodor Dome	4.44 17	Pn	09 00 34.1 -0.1	
H24K			IAML	09 01 25.7	
IM05	Indian Mountai	4.51 346	Pn	09 00 35.2 +0.2	
IMAR	Indian Mountai	4.52 346	Pn	09 00 34.7 -0.4	
BC01	Beaver Creek A	4.54 68	Pn	09 00 35.6 +0.1	
L27K	Beaver Creek A	4.54 68	Pn	09 00 34.9 -0.6	
BCAR	Beaver Creek A	4.55 68	Pn	09 00 35.9 +0.1	
BARN	Barnard Glacie	4.57 93	Pn	09 00 34.7 -1.3	
BARN	Barnard Glacie	4.57 93	IAML	09 01 31.4	
BARN			IAML	09 01 44.9	
OHAK	Old Harbor	4.58 195	Pn	09 00 36.6 +0.6	
OHAK			IAML	09 01 49.7	
OHAK			IAML	09 01 49.8	
GRNC	Granite Creek	4.60 97	IAML	09 01 30.9	
GRNC			IAML	09 01 32.5	
PRP	Porcupine Dome	4.61 30	Pn	09 00 36.9 +0.3	

PRP	Porcupine Dome	4.61 30	IAML	09 01 38.6	
PRP			IAML	09 01 41.3	
N15K	Kwethluk River	4.65 255	Pn	09 00 37.2 +0.2	
N15K	Kwethluk River	4.65 255	IAML	09 01 45.4	
N15K			IAML	09 01 45.4	
MESA	MESA	4.69 104	Pn	09 00 37.5 -0.2	
YAH	Yahtse	4.72 102	Pn	09 00 37.4 -0.7	
YAH	Yahtse	4.72 102	IAML	09 01 33.6	
YAH			IAML	09 01 34.0	
J16K	Anvik River	4.72 295	Pn	09 00 37.9 -0.1	
PLK1	Peulik 1	4.76 218	Pn	09 00 39.9 +1.4	
H18K	Honhosa River	4.81 320	Pn	09 00 39.8 +0.6	
RKAV	Rock Avalanche	4.92 102	Pn	09 00 40.5 -0.4	
LOGN	Logan Glacier	4.93 95	Pn	09 00 40.2 -0.8	
LOGN	Logan Glacier	4.93 95	IAML	09 01 38.8	
LOGN			IAML	09 01 40.1	
I17K	Unalakleet	4.96 301	Pn	09 00 41.5 +0.3	
TABL	Table Mountain	4.97 100	IAML	09 01 40.9	
TABL			IAML	09 01 40.9	
K15K	Wolf Creek 08s	4.98 282	Pn	09 00 41.7 +0.2	
O15K	Ungalikthiuk R	5.00 244	Pn	09 00 42.1 +0.4	
O15K			IAML	09 01 40.0	
G21K	Atkasat	5.01 349	Pn	09 00 42.1 +0.3	
G21K	Allakaket	5.01 349	IAML	09 01 40.3	
G23K	Bananza Creek	5.11 5	Pn	09 00 44.0 +0.7	
G23K	Bananza Creek	5.11 5	IAML	09 01 41.9	
H17K	Granite Mounta	5.18 314	Pn	09 00 44.6 +0.4	
H25L	Birch Creek	5.19 24	Pn	09 00 45.0 +0.8	
G19K	Purcell Mounta	5.24 332	Pn	09 00 44.9 -0.1	
SAMH	Samovar Hills	5.25 102	Pn	09 00 45.1 -0.2	
G24K	Hadwoznic Riv	5.32 16	IAML	09 00 46.1 +0.1	
G24K	Hadwoznic Riv	5.32 16	IAML	09 02 32.5	
O28M	Mount Upton	5.33 95	Pn	09 00 46.3 -0.2	
O28M	Mount Upton	5.33 95	IAML	09 01 47.9	
O28M			IAML	09 01 49.3	
M14K	Bethel	5.34 265	Pn	09 00 46.2 -0.2	
M14K	Bethel	5.34 265	IAML	09 02 24.4	
M14K			IAML	09 02 33.8	
SII	Sitkinak Islan	5.34 199	P	09 00 46.9 +0.4	
SII	Sitkinak Islan	5.34 199	Pn	09 00 47.4 +0.9	
YUK8	Steele Glacier	5.37 36	Pn	09 00 47.5 +0.5	
N14K	Kuskokwak Cree	5.48 256	Pn	09 00 48.4 +0.1	
PCA	Pinnacle	5.50 102	Pn	09 00 47.4 -1.4	
L14K	Kuka Creek	5.57 272	Pn	09 00 50.0 +0.5	
G25K	Beaman Lake	5.58 21	Pn	09 00 50.1 +0.4	
O14K	Tigiyukauvit M	5.59 249	Pn	09 00 50.1 +0.3	
F21K	Stra River	5.70 350	Pn	09 00 52.0 -0.8	
G17K	Kiwalik Mount	5.77 316	Pn	09 00 52.7 +0.5	
I27K	Kandik River	5.79 43	Pn	09 00 53.1 +0.5	
F20K	Avaraart Lake	5.79 342	Pn	09 00 53.2 +0.7	
H16K	Elim	5.89 306	Pn	09 00 54.0 +0.1	
F22K	Yukon River	5.91 356	Pn	09 00 54.5 +0.5	
F24K	Squaw Lake	6.06 12	Pn	09 00 56.1 -0.1	
PNL	Peninsula	6.07 104	Pn	09 00 55.4 -1.0	
YUK6	Outpost Mounta	6.17 91	Pn	09 00 57.6 -0.3	
G26K	Porcupine Riv	6.20 28	Pn	09 00 58.7 +0.7	
H27K	Steamboat Moun	6.23 38	Pn	09 00 58.5 -0.1	
G16K	Koyuk River	6.29 312	Pn	09 00 59.1 +0.5	
CHIR	Chirikof Islan	6.30 204	P	09 00 59.2 -0.3	
YUK5	Ghanik Creek	6.37 89	Pn	09 00 59.9 -0.7	
YUK7	Dusty Glacier	6.37 94	Pn	09 01 00.3 -0.4	
E19K	Redstone River	6.41 338	Pn	09 01 01.5 +0.5	
F25K	Christian River	6.41 19	Pn	09 01 01.6 +0.5	
BMO1	Burnt Mountai	6.45 23	Pn	09 01 01.0 -0.1	
E24K	Your Creek	6.55 9	Pn	09 01 02.1 +0.3	
CHGN	Chignik	6.56 219	Pn	09 01 03.6 +0.6	
F17K	Baldwin Pennin	6.56 322	Pn	09 01 03.8 +0.7	
HYT	Haines Junctio	6.56 91	Pn	09 01 04.0 +0.3	
G17K	Yukon Strin	6.61 34	Pn	09 01 04.0 +0.3	
P29M	Windy Craggy	6.86 101	Pn	09 01 07.1 -0.1	
E25K	Arctic Village	6.91 17	Pn	09 01 08.8 +0.9	
E21K	Killik River	6.94 351	Pn	09 01 09.6 +1.4	
E20K	Nigu River	6.99 344	Pn	09 01 10.1 +1.2	
M10K	Million Dollar	7.05 96	Pn	09 01 10.5 +0.7	
TOLK	Took Lake Re	7.06 4	Pn	09 01 11.7 +1.9	
E18K	Tupkahleirik C	7.10 329	Pn	09 01 11.5 +1.1	
E17K	Hotham Inlet	7.17 324	Pn	09 01 12.2 +0.8	
J30M	Hart River	7.30 60	Pn	09 01 14.1 +0.8	
D22K	Aiykyak River	7.30 355	Pn	09 01 15.2 +2.1	
N13M	Graben, Yuko	7.30 84	Pn	09 01 16.4 +2.5	
D23K	Nanushuk River	7.36 1	Pn	09 01 16.4 +2.5	
D20K	Etiuvuk River	7.47 344	Pn	09 01 16.3 +0.8	
I30M	Mount Dempster	7.50 55	Pn	09 01 15.9 0.0	
F29M	Old Crow	7.67 34	Pn	09 01 18.9 +0.7	
E27K	Coles River	7.70 27	Pn	09 01 19.9 +0.4	
C21K	Knifeblade Rid	7.70 350	Pn	09 01 20.1 +1.5	
G29M	Pine Creek	7.75 41	Pn	09 01 19.6 +0.4	
F14K	Arctic Creek	7.81 306	Pn	09 01 21.1 +1.0	
WHY	Whitehorse	7.89 90	Pn	09 01 20.6 -0.8	
SDDT	Sand Point	8.00 222	P	09 01 23.3 +0.6	
SKAC	Skagway River	8.06 99	Pn	09 01 25.0 0.0	
CHNA	Chernabura Isl	8.17 217	Pn	09 01 25.3 +0.3	
C24K	Franklin Bluff	8.17 6	Pn	09 01 26.4 +1.5	
C23K	Itkillik River	8.23 31	Pn	09 01 27.5 +1.7	
C19K	Lookout Ridge	8.28 338	Pn	09 01 28.2 +1.7	
G30M	Atah Zrail Nji	8.37 44	Pn	09 01 27.6 0.1	
E29M	Sabagge River	8.50 30	Pn	09 01 29.7 +0.2	
H31M	Peel River	8.50 53	Pn	09 01 30.0 +0.5	
N32M	Quiet Lake	8.64 85	Pn	09 01 30.7 -0.8	
D27M	Malcolm River	8.70 24	Pn	09 01 32.7 +0.5	
E29M	Blow River	8.75 34	Pn	09 01 33.5 +0.6	
P32M	Aljun	8.77 96	Pn	09 01 34.1 +1.2	
B22K	Teshkepuk Lake				

7d 9h

Table with columns: Code, Station Name, Az, El, P, Q, R, S, Time, Res, h, m, s, ISC. Includes stations like VLDQ Val d'Or, OK052 Battle of Britain, WMOK Wichita Mountain, etc.

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Table with columns: Code, Station Name, Az, El, P, Q, R, S, Time, Res, h, m, s, ISC. Includes stations like MVSF Nonsavu, MVSF Monsiev, MARNC Mare, Loyalty, NIUE Niue, etc.

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Table with columns: Code, Station Name, Az, El, P, Q, R, S, Time, Res, h, m, s, ISC. Includes stations like TXAR Lajitas Array, ILAR Eielson Array, PDAR Pinedale Array, HFS Hagfors, BRMI Keckin Array, etc.

IDC 07 09:46:48.71.4.23.34S:179.11E, h530km, 14km, mb3.5/16, mbtmp4.3/18, Error ellipse: s-maj=14.9km s-min=12.4km az=117.0

IDC 07 09:55:46.4.0.8.34.03N:0.06:79.54E:0.09, h10km, n20, i=123/20, mb3.5/5, Kashmir-Xizang border region

IDC 07 09:57:57.8.1.6.1.97S:77.67W, h134km, 16km, mb3.3/10, mbtmp3.9/15, Error ellipse: s-maj=21.1km s-min=11.6km





7d 11h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Waiheke Island, Raukumara Rang, Raukumara, etc.

az=149.0, Baltic States-Belarus-Northwestern Russia
Code Station Name Az AzZ Phase ID Op ISC Time Res h m s ISC

ICD 07 11:31:48.3:1.4, 53.69N:171.65E, h0km, mb2.9/2,
mbtmp3.1/3, ML3.1/1, Error ellipse: s-maj=44.6km

ICD 07 11:31:48.7:1.3, 53.67N:171.40E, h63km-47km, M4.1
NEIC 07 11:31:50.4:0.3, 53.58N:171.6E:0.1, h2.3km, 8km,
ML2.9/4, Error ellipse: s-maj=27.1km s-min=8.9km
az=199.0

ICD 07 11:31:50.1:0.9, 53.68N:171.51E:0.07, h35km, n2/7,
c151/21, Near Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SHEM, Shemya Is, Ala, etc.

ICD 07 11:34:40.5, 19.22S:173.51W, h107km, mb4.6/15, Tonga
Islands

ICD 07 11:34:36.8:1.0, 19.41S:173.78W:0.08, h35km, n4/7,
c197/43, Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like NIUE, Niue, AFI, Afiamalu, etc.

ICD 07 11:26:09.9:14.0, 53.60N:40.43E, h0km, mbtmp3.7/1,
ML2.3/1, Error ellipse: s-maj=155.4km s-min=79.9km

2020 OCT

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like I43RU, DUBNA INFRASON, etc.

ICD 07 11:31:48.3:1.4, 53.69N:171.65E, h0km, mb2.9/2,
mbtmp3.1/3, ML3.1/1, Error ellipse: s-maj=44.6km

ICD 07 11:31:48.7:1.3, 53.67N:171.40E, h63km-47km, M4.1
NEIC 07 11:31:50.4:0.3, 53.58N:171.6E:0.1, h2.3km, 8km,
ML2.9/4, Error ellipse: s-maj=27.1km s-min=8.9km
az=199.0

ICD 07 11:31:50.1:0.9, 53.68N:171.51E:0.07, h35km, n2/7,
c151/21, Near Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SHEM, Shemya Is, Ala, etc.

ICD 07 11:34:40.5, 19.22S:173.51W, h107km, mb4.6/15, Tonga
Islands

ICD 07 11:34:36.8:1.0, 19.41S:173.78W:0.08, h35km, n4/7,
c197/43, Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like NIUE, Niue, AFI, Afiamalu, etc.

ICD 07 11:26:09.9:14.0, 53.60N:40.43E, h0km, mbtmp3.7/1,
ML2.3/1, Error ellipse: s-maj=155.4km s-min=79.9km

ICD 07 11:26:09.9:14.0, 53.60N:40.43E, h0km, mbtmp3.7/1,
ML2.3/1, Error ellipse: s-maj=155.4km s-min=79.9km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA, Warramunga Arr, etc.

ICD 07 10:50:20.2:369.0, 53.43N:40.61E, h0km, Error ellipse:
s-maj=161.0km s-min=81.1km az=156.0, Baltic
States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like I43RU, DUBNA INFRASON, etc.

ICD 07 11:39:52.0:1.5, 32N:127.46E, h84km, MS4.0
ICD 07 11:39:56.1:3.5, 5.59N:127.88E, h154km-39km, mb3.5/8,
mbtmp3.9/9, Error ellipse: s-maj=127.0km s-min=16.9km

ICD 07 11:39:50.1:4.1, 5.4N:0.2:127.6E:0.1, h100km, n1/2,
c156/12, mb4.2/8, Philippine Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DDMP, Don Marcelino, etc.

ICD 07 11:26:09.9:14.0, 53.60N:40.43E, h0km, mbtmp3.7/1,
ML2.3/1, Error ellipse: s-maj=155.4km s-min=79.9km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA, Warramunga Arr, etc.

ICD 07 11:26:09.9:14.0, 53.60N:40.43E, h0km, mbtmp3.7/1,
ML2.3/1, Error ellipse: s-maj=155.4km s-min=79.9km

ICD 07 11:26:09.9:14.0, 53.60N:40.43E, h0km, mbtmp3.7/1,
ML2.3/1, Error ellipse: s-maj=155.4km s-min=79.9km

ICD 07 11:26:09.9:14.0, 53.60N:40.43E, h0km, mbtmp3.7/1,
ML2.3/1, Error ellipse: s-maj=155.4km s-min=79.9km

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SONM, Songino Array, etc.

SOME 07 11:45:02.7, 40.80N:78.42E, h10km
KRNET 07 11:45:02.4:0.1, 40.74N:78.38E, h17km, mb2.9
NINC 07 11:45:03.8:1.1, 40.82N:78.42E, h0km, mb3.6, mpv3.3,
Error ellipse: s-maj=7.2km s-min=4.8km az=160.0

ICD 07 11:45:03.8:1.1, 40.76N:78.21E:0.04, h10km, n4/2,
c252/68, 18C-16D, Southern Xinjiang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like TARG, Taragay, Kyrgy, etc.

ICD 07 11:45:02.7, 40.80N:78.42E, h10km
KRNET 07 11:45:02.4:0.1, 40.74N:78.38E, h17km, mb2.9
NINC 07 11:45:03.8:1.1, 40.82N:78.42E, h0km, mb3.6, mpv3.3,
Error ellipse: s-maj=7.2km s-min=4.8km az=160.0

ICD 07 11:45:03.8:1.1, 40.76N:78.21E:0.04, h10km, n4/2,
c252/68, 18C-16D, Southern Xinjiang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like TARG, Taragay, Kyrgy, etc.

ICD 07 11:45:02.7, 40.80N:78.42E, h10km
KRNET 07 11:45:02.4:0.1, 40.74N:78.38E, h17km, mb2.9
NINC 07 11:45:03.8:1.1, 40.82N:78.42E, h0km, mb3.6, mpv3.3,
Error ellipse: s-maj=7.2km s-min=4.8km az=160.0

ICD 07 11:45:03.8:1.1, 40.76N:78.21E:0.04, h10km, n4/2,
c252/68, 18C-16D, Southern Xinjiang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like TARG, Taragay, Kyrgy, etc.

ICD 07 11:45:02.7, 40.80N:78.42E, h10km
KRNET 07 11:45:02.4:0.1, 40.74N:78.38E, h17km, mb2.9
NINC 07 11:45:03.8:1.1, 40.82N:78.42E, h0km, mb3.6, mpv3.3,
Error ellipse: s-maj=7.2km s-min=4.8km az=160.0

ICD 07 11:45:03.8:1.1, 40.76N:78.21E:0.04, h10km, n4/2,
c252/68, 18C-16D, Southern Xinjiang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like TARG, Taragay, Kyrgy, etc.

ICD 07 11:45:02.7, 40.80N:78.42E, h10km
KRNET 07 11:45:02.4:0.1, 40.74N:78.38E, h17km, mb2.9
NINC 07 11:45:03.8:1.1, 40.82N:78.42E, h0km, mb3.6, mpv3.3,
Error ellipse: s-maj=7.2km s-min=4.8km az=160.0

ICD 07 11:45:03.8:1.1, 40.76N:78.21E:0.04, h10km, n4/2,
c252/68, 18C-16D, Southern Xinjiang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like TARG, Taragay, Kyrgy, etc.

ICD 07 11:45:02.7, 40.80N:78.42E, h10km
KRNET 07 11:45:02.4:0.1, 40.74N:78.38E, h17km, mb2.9
NINC 07 11:45:03.8:1.1, 40.82N:78.42E, h0km, mb3.6, mpv3.3,
Error ellipse: s-maj=7.2km s-min=4.8km az=160.0

ICD 07 11:45:03.8:1.1, 40.76N:78.21E:0.04, h10km, n4/2,
c252/68, 18C-16D, Southern Xinjiang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like TARG, Taragay, Kyrgy, etc.

ICD 07 11:45:02.7, 40.80N:78.42E, h10km
KRNET 07 11:45:02.4:0.1, 40.74N:78.38E, h17km, mb2.9
NINC 07 11:45:03.8:1.1, 40.82N:78.42E, h0km, mb3.6, mpv3.3,
Error ellipse: s-maj=7.2km s-min=4.8km az=160.0

ICD 07 11:45:03.8:1.1, 40.76N:78.21E:0.04, h10km, n4/2,
c252/68, 18C-16D, Southern Xinjiang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like TARG, Taragay, Kyrgy, etc.

AEIC 07 11:47:51.6; 1.3, 64°55'N; 02°149'34W; 0.04, h14km, 3km, Error ellipse: s-maj=2.8km s-min=2.3km az=194.0  
 NEIC 07 11:47:52.2; 64°55'N; 149°33'W; h21km  
 NEIC 07 11:47:51.8; 0.9, 64°54'N; 02°149'32W; 0.04, h17km, 4km, mb3.6/1, ML3.7/99, Mw3.5/70, ML3.5(AEIC), Error ellipse: s-maj=2.9km s-min=2.5km az=140.0, Moment Tensor Solution: Moment tensor: Scale 10<sup>14</sup>Nm; Mrr=0.21; Mss=1.55; Mtt=1.75; Mro=0.82; Mso=1.06; Mto=0.20;

Fault plane solution: Mo1.92000x10<sup>14</sup> Np1: 65.309, 37.000°, 879.69000°, A=155.74000°. 62.214, 75.000°, 866.16000°, A=11.28000°. Np2: 62.14, 75.000°, 866.16000°, A=11.28000°. Principal axes: T 1.8670, Plg9.0000°, Azm80.0000°; N 0.9360, Plg64.0000°, Azm331.0000°; P -1.9636, Plg24.0000°, Azm174.0000°; Central Alaska

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
NEA2	Nenana	0.12	65	Op	11 47 55.6	0.0
NEA2	comp=N, 24nm, 0.2s			IAML	11 47 58.0	
BWN	Browne	0.38	190	Pg	11 47 59.7	+0.2
WRH	Wood River Hill	0.54	97	Pg	11 48 02.4	-0.1
WRH	comp=N, 24nm, 0.2s			IAML	11 48 02.4	-0.1
I23K	Minto, Yukon-K	0.61	359	Sg	11 48 09.9	+0.2
I23K	comp=N, 24nm, 0.2s			IAML	11 48 09.9	+0.2
MDM	Murphy Dome	0.63	48	Pg	11 48 04.3	-0.2
MDM	comp=N, 24nm, 0.2s			IAML	11 48 04.3	-0.2
MDM	comp=N, 24nm, 0.2s			IAML	11 48 12.6	0.0
CCB	Clear Creek Bu	0.66	80	Pg	11 48 04.5	-0.3
CCB	comp=N, 24nm, 0.2s			IAML	11 48 13.7	+0.1
CCB	comp=N, 24nm, 0.2s			IAML	11 48 15.8	
COLA	College	0.71	62	Pb	11 48 05.6	-0.2
COLA	comp=N, 24nm, 0.2s			IAML	11 48 15.2	0.0
MLY	Manley	0.78	310	Pg	11 48 07.1	+0.1
MLY	comp=N, 24nm, 0.2s			IAML	11 48 17.0	-0.2
MCK	McKinley	0.83	168	Pg	11 48 08.1	+0.1
MCK	comp=N, 24nm, 0.2s			IAML	11 48 18.5	-0.1
BPWA	Bear Paw Mtn.	0.85	239	Sg	11 48 08.0	-0.1
BPWA	comp=N, 24nm, 0.2s			IAML	11 48 19.9	+0.4
BPWA	comp=N, 24nm, 0.2s			IAML	11 48 20.4	
PS07	TAPS Pump Str7	0.89	29	Pn	11 48 09.5	0.0
PS07	comp=N, 24nm, 0.2s			IAML	11 48 21.4	-0.6
POKR	Poker Plat Res	0.99	54	Pb	11 48 10.7	+0.1
POKR	comp=N, 24nm, 0.2s			IAML	11 48 23.6	+0.3
POKR	comp=N, 24nm, 0.2s			IAML	11 48 24.9	
HDA	Harding Lake	1.04	96	Pb	11 48 11.0	-0.3
HDA	comp=N, 24nm, 0.2s			IAML	11 48 27.4	
IL31		1.07	77	Pb	11 48 11.7	-0.1
IL31	comp=N, 24nm, 0.2s			IAML	11 48 26.2	-0.2
ILAR	Eielson Array	1.07	77	Pb	11 48 11.4	-0.5
PS08	TAPS Pump Str8	1.08	89	Pb	11 48 26.5	-0.2
RND	Reindeer	1.16	169	Pb	11 48 13.5	+0.1
TRF	Thorofore Moun	1.18	202	Pb	11 48 13.6	0.0
TRF	comp=N, 24nm, 0.2s			IAML	11 48 28.8	+0.1
KTH	Kantishna Hill	1.22	216	Pb	11 48 13.5	-0.6
KTH	comp=N, 24nm, 0.2s			IAML	11 48 31.8	
I21K	Tanana	1.30	301	Pn	11 48 15.2	0.0
I21K	comp=N, 24nm, 0.2s			IAML	11 48 34.9	
PS06	TAPS Pump Str6	1.33	353	Pn	11 48 15.5	0.0
PS06	comp=N, 24nm, 0.2s			IAML	11 48 34.5	-0.2
H24K	Noodor Dome	1.44	24	Pb	11 48 17.2	+0.1
H24K	comp=N, 24nm, 0.2s			IAML	11 48 38.4	
CHUM	Lake Mechum	1.47	245	Pn	11 48 16.9	-0.5
H22K	Ishlitalina Cre	1.61	328	Pn	11 48 20.0	+0.6
H22K	comp=N, 24nm, 0.2s			IAML	11 48 43.3	
H22K	comp=N, 24nm, 0.2s			IAML	11 48 44.5	
CAST	Castle Rocks	1.66	228	Pn	11 48 19.9	-0.2
CAST	comp=N, 24nm, 0.2s			IAML	11 48 45.7	
CAST	comp=N, 24nm, 0.2s			IAML	11 48 45.7	
DHY	Denali Highway	1.71	149	Pn	11 48 21.7	+0.8
DHY	comp=N, 24nm, 0.2s			IAML	11 48 46.1	
DHY	comp=N, 24nm, 0.2s			IAML	11 48 46.1	
J25K	Salcha River,	1.71	86	Pn	11 48 20.4	-0.4
J25K	comp=N, 24nm, 0.2s			IAML	11 48 50.6	
K24K	Donnelly Dome	1.72	114	Pn	11 48 21.0	+0.1
WAT7	Susitna Watana	1.73	173	Pn	11 48 21.5	+0.4
H21K	Melozitna Rive	1.85	309	Pn	11 48 23.2	+0.5
PRP	Porcupine Dome	1.89	57	Pn	11 48 23.5	+0.2
PRP	comp=N, 24nm, 0.2s			IAML	11 48 52.2	
PPLA	Purkeypile	2.09	219	Pn	11 48 25.7	-0.4
PPLA	comp=N, 24nm, 0.2s			IAML	11 48 59.3	
RIDG	Independent R	2.12	110	Pn	11 48 27.5	+1.0
RIDG	comp=N, 24nm, 0.2s			IAML	11 49 02.9	
RIDG	comp=N, 24nm, 0.2s			IAML	11 49 11.6	
J20K	Novinta River	2.13	262	Pn	11 48 26.2	-0.3
J20K	comp=N, 24nm, 0.2s			IAML	11 49 02.0	
J20K	comp=N, 24nm, 0.2s			IAML	11 49 01.5	
CUT	Chulitna	2.19	192	Pn	11 48 28.3	+1.0
CUT	comp=N, 24nm, 0.2s			IAML	11 49 09.0	
CUT	comp=N, 24nm, 0.2s			IAML	11 49 13.0	
G23K	Bannock Dome	2.20	353	Pn	11 48 28.2	+0.7
I20K	Naaghdeneel	2.23	279	Pn	11 48 27.9	+0.4
H25L	Birch Creek	2.27	39	Pn	11 48 28.8	+0.1
G24K	Hadweencic Riv	2.30	19	Pn	11 48 29.0	+0.1
G24K	comp=N, 24nm, 0.2s			IAML	11 49 06.7	
G24K	comp=N, 24nm, 0.2s			IAML	11 49 09.8	
PAX	Paxson	2.33	131	Pn	11 48 29.5	+0.2
PAX	comp=N, 24nm, 0.2s			IAML	11 49 04.9	
PAX	comp=N, 24nm, 0.2s			IAML	11 49 06.5	
PS05	TAPS Pump Str5	2.35	347	Pn	11 48 31.1	+1.6
PS05	comp=N, 24nm, 0.2s			IAML	11 48 31.2	-2.3
IM03		2.36	310	Pn	11 48 29.7	+0.1
K20K	Telida	2.41	243	Pn	11 48 30.2	-0.2
K20K	comp=N, 24nm, 0.2s			IAML	11 49 11.2	
K20K	comp=N, 24nm, 0.2s			IAML	11 49 11.2	
DOT	Dot Lake	2.48	109	Pn	11 48 30.7	-0.6
DOT	comp=N, 24nm, 0.2s			IAML	11 49 14.6	
DOT	comp=N, 24nm, 0.2s			IAML	11 49 15.3	
H20K	Anotleneega Mo	2.54	398	Pn	11 48 32.6	+0.3
FYU	Fort Yukon	2.65	295	Pn	11 48 33.1	-0.5
FYU	comp=N, 24nm, 0.2s			IAML	11 49 21.5	
I26K	Coal Creek Min	2.74	71	Pn	11 48 35.0	+0.1
SKT	Skwentna	2.76	202	Pn	11 48 35.8	+0.6
SKT	comp=N, 24nm, 0.2s			IAML	11 49 17.8	
SKT	comp=N, 24nm, 0.2s			IAML	11 49 18.4	
SML	Sawmill	2.78	170	Pn	11 48 35.9	+0.4
SML	comp=N, 24nm, 0.2s			IAML	11 49 18.8	
SML	comp=N, 24nm, 0.2s			IAML	11 49 22.6	
J19K	Poorman	2.80	262	Pn	11 48 35.3	-0.5
J19K	comp=N, 24nm, 0.2s			IAML	11 49 22.9	

J19K	comp=N, 288nm, 0.7s	IAML	11 49 23.5
M22K	Willow	2.82	188
M22K	comp=N, 278nm, 0.7s <td>IAML</td> <td>11 49 28.3</td>	IAML	11 49 28.3
M22K	comp=N, 278nm, 0.7s <td>IAML</td> <td>11 49 33.8</td>	IAML	11 49 33.8
M23K	Glacier View	2.85	165
SCM	Sheep Creek Mo	2.87	161
SCM	comp=N, 266nm, 0.6s <td>IAML</td> <td>11 49 22.3</td>	IAML	11 49 22.3
L20K	Farewell, Ak	2.91	227
L20K	comp=N, 194nm, 0.7s <td>IAML</td> <td>11 48 36.5</td>	IAML	11 48 36.5
L20K	comp=N, 194nm, 0.7s <td>IAML</td> <td>11 49 28.6</td>	IAML	11 49 28.6
PMR	Palmer	2.96	178
F24K	Squaw Lake	3.05	170
L26K	Log Cabin Wild	3.06	117
SUA	Susitna One	3.16	193
M20K	Styx River	3.18	215
F21K	Alatina River	3.19	329
F22K	John River	3.20	340
K27K	Chickin	3.20	366
STLK	Strandline Lak	3.25	202
G26K	Porcupine Rive	3.33	41
F25K	Christian Rise	3.41	241
I27K	Kadik	3.43	68
BM03	Burnt Mountain	3.47	32
BMAR	Burnt Mountain	3.49	32
SPNN	North Nagahisa	3.54	207
E24K	Your Creek	3.56	5
SPBG	Spurr Blockage	3.58	204
SPJ	Mount Spurr	3.60	202
SPWE	Spurr West	3.60	206
G19K	Purcell Mountain	3.63	300
BC01	Beaver Creek A	3.64	111
L27K	Beaver Creek,	3.64	111
L27K	comp=N, 116nm, 1.1s <td>IAML</td> <td>11 49 49.5</td>	IAML	11 49 49.5
F20K	Avaraut Lake	3.64	317
N25K	Chitina, Valde	3.65	142
BCAR	Beaver Creek A	3.66	110
H27K	Steamboat Moun	3.68	59
H27K	comp=N, 168nm, 0.6s <td>IAML</td> <td>11 49 51.3</td>	IAML	11 49 51.3
F26K	Sheenjek River	3.80	31
F26K	comp=N, 81nm, 0.6s <td>IAML</td> <td>11 49 51.3</td>	IAML	11 49 51.3
G27K	Doyon Strip	3.90	51
H18K	Honhosa River	3.91	283
M27K	Edge Creek, AK	4.00	120
GLB	Gilahina Butte	4.00	139
L18K	Granite Mounta	4.05	238
B28M	Miner Creek	4.09	73
G18K	Tagagavak	4.16	293
F19K	Shalerucik Mo	4.18	307
M18K	Stony River	4.26	227
VRDI	Verde Repeater	4.28	138
DAWV	Dawson	4.35	92
BVCV	Beaver Creek	4.35	116
E19K	Redstone River	4.36	316
K17K	Iditarod	4.40	249
N19K	Bonanza Dome	4.43	215
J17K	VABM Cree	4.45	259
D23K	Nanushuk River	4.48	354
D22K	Aiyiyak River	4.56	344
H17K	Granite Mounta	4.56	280
E27K	Coleen River	4.80	37
H29M	Whitestone	4.88	65
G17K	Kiwitak Mounta	4.90	286
F23M	Old Crow	4.93	47
H17K	Unalakleet	5.01	268
CNPM	China Poot	5.12	191
J16K	Anvik River	5.14	261
C24K	Franklin Bluff	5.21	2
C25M	Pine Creek	5.23	58
C23K	Killik River	5.34	355
E18K	Tukpalearik C	5.44	307
I30M	Mount Dempster	5.56	77
G16K	Koyuk River	5.60	285
J30M	Hart River	5.60	84
E23M	Sabbage River	5.64	39
C26K	Camden Bay	5.66	16
E17K	Hotham Inlet	5.74	302
D27M	Malcolm River	5.75	31
P18K	Big Mountain,	5.87	211
G30M	Ugah Trail Nj	5.92	20
E22M	Slow River	5.95	35
L15K	Unalak Mounta	6.22	248
INK	Inuvik	7.36	52
OHAK	Old Harbor	7.59	197
C36M	Paulatuk	10.95	53
YKAW	Yellowknife Wh	15.47	81
YKAW	comp=N, 3.3nm, 0.9s		



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ZALV Zalesovo Beam, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

IDC 07 13:25:38.74.9, 18.15N:123.11E, h0km, mb3.5/4, mbmp3.5/4, Error ellipse: s-maj=41.7km s-min=23.2km az=63.0

MAN 07 13:25:43.0, 17.96N:122.27E, h1km, MS3.7, ISC 07 13:25:43.5, 1.17, 17.93N:0.05:122.42E:0.08, h25km, n16, r163/16, mb3.4/4, Luzon

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CYP Callao Caves, CYP Callao Caves, CYP Callao Caves, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H11S3 WAKE ISLAND Hy 41.97, H11S1 WAKE ISLAND Hy 41.98, etc.

AFAD 07 13:26:44.4, 38.45N:39.25E, h8km, 2km, MW3.8, ISK 07 13:26:44.3, 38.47N:39.25E, h5km, ML3.5/29, ISC 07 13:26:44.9, 0.8, 38.45N:0.02:39.25E:0.01, h7km, 6km, n66, r1506/107, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ESJ Sivrice-Elazig, SVRC Sivrice-ELAZID, SVRC Sivrice-Elazig, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SVAN comp=E,297nm,0.6s, CUGUR Gurin, SVAS, CUGUR Gurin, SVAS, etc.

NEIC 07 13:31:27.1, 1.1, 31.46N:0.02:115.71W:0.03, h10km, 2km, s-min=3.1km az=70.0, Error ellipse: s-maj=3.9km s-min=3.1km az=70.0

ECX 07 13:31:28.5, 0.6, 31.50N:115.66W, h5km, 2km, MD3.3, ML3.5

MEX 07 13:31:29.3, 0.4, 31.47N:115.64W, h17km, MD4.1, Presumed earthquake

ISC 07 13:31:27.2, 0.9, 31.48N:0.02:115.66W:0.02, h16km, 7km, n61, r077/83, 9C-5D, Baja California

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VTX Valle De La Tr, VTX Valle De La Tr, VTX Valle De La Tr, etc.

7d 14h

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Lists various stations and their associated data points.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Lists stations like VJF, PVF, ARBE, etc.

2020 OCT

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Lists stations like NUR, MEF, MIAF, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Lists stations like MXZ, WMGZ, PKGZ, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Lists stations like PUZ, RUGZ, Raukumara Rang, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Lists stations like BANI, SODR, LOSCI, etc.







Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like KURS Kuram, KUUR Kurly, KUU Kurly, etc.

SOME 07 15:42:38.6,39°10N-75°75E, h10km
KRNET 07 15:42:43.5-0.1,39.08N-76.07E, mb3.5
NINC 07 15:42:44.9-2.5,39.28N-76.08E, h0km, mb3.7, mpv3.3,
Error ellipse: s-maj=21.6km s-min=15.8km az=129.0

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like SFAK Sufi-Kurgan, NRN Naryn, SALK Salom-Alik, etc.

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like KPKS, PDGK, ARXS, etc.

JMA 07 15:57:39.2-0.9,45°N-4°15'E, h30km, MV3.7/15, SE
OFF ETOROFU
SKHL 07 15:57:37.2-0.4,45°30'N-150°10'E, h44km,3km, mb4.5/5,

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like REI, KUR, SHO, etc.

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like IPOC Station P, Diego Aracena, etc.



Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like ASF Jabal al Asfar, BVAR Borovoye Array, ARTI Arti, etc.

IDC 07 17:54:32.2, 1.1, 17.08N:120.57E, h0km, mb3.5/6, mbmp3.5/6, MS3.0/1, Error ellipse: s-maj=40.4km

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like SIPP Brgy, Tapao, SIPP Pasaquin, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like KSRs Korea Array, KAPI Kappang, WRA Warramunga Arr, etc.

BUJ 07 18:04:15.9, 23'25N:142'92E, h33km, mb5.0/7, mb4.5/38, IDC 07 18:04:17.5, 2.5, 23.40N:143.11E, h36km, 18km, mb4.0/22, mbmp4.2/25, ML4.7/2, MS3.7/2, Error ellipse: s-maj=17.8km, s-min=12.6km, az=92.0

Volcano Islands region

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like JGF Kuroka, MJAR Matsushiro Arr, etc.

Main table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like BNX BinXian, TIA Tai'an, WHN Wuhan, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like ILAR Eielson Array, F24K Squaw Lake, KLU Kutina, etc.

NEIC 07 18:24:30.6, 18:05N-64:26W, h12km, Moment Tensor Solution. Duration: 260. Moment tensor: Scale 1016Nm; Mrr=2.76; Mss=3.31; Mtt=0.55; Mss=6.72; Mss=1.24; Mrr=1.15; Fault plane solution: M0=58000x1016 Np1; ...

IDC 07 18:24:30.1, 0.3, 17:19N-64:36W, h12km, mb5.0/40, mblmpd, 9.4/3, ML5.3/73, MS4, 1/55, Error ellipse: s-maj=10.4km s-min=8.5km az=131.0.

NEIC 07 18:24:31.7, 18:01N-64:26W, h7km, NEIC 07 18:24:31.7, 18:02N-07:04:26W, h7km, 2km, mb5.2/446, ML5.4/68, Mrr=5.070, Mww=5.2/24.

ML5.3/11(RSPR), Error ellipse: s-maj=9.7km s-min=3.0km az=185.0, Moment Tensor Solution. Moment tensor: Scale 1016Nm; Mrr=1.83; Mss=2.11; Mtt=0.28; Mss=2.81; ...

MOS 07 18:24:31.7, 0.9, 18:06N-64:32W, h17km, mb5.5/52 Error ellipse: s-maj=8.3km s-min=5.0km az=55.4.

PTWC 07 18:24:32.18, 18:10N-64:20W, h13km, Mw5.1/35 NEIC 07 18:24:32.1, 18:05N-64:26W, h9km GFZ 07 18:24:32.0, 2.0, 18:04N-64:4W, h10km, M5.2/13, mb5.1/13.

INMG 07 18:24:32.0, 2.3, 17:96N-64:21W, h10km, M5.3, mb5.1, MS4.2, #DIST\_RANGE: DISTANT TRN 07 18:24:33.9, 18:02N-64:29W, h63km, MDD.0, South-east of the British V.I. Mt. 5.4.

RSPR 07 18:24:34.6, 18:17N-64:18W, h10km, 31km, MD4.5/11 BGR 07 18:24:34.2, 17:14N-63:58W, h33km, mb5.4, MS4.2 GCMT 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

AGPR 07 18:24:35.7, 0.2, 18:06N-01:64:42W, 0.02, h12km, MW5.1/110, Moment Tensor Solution. s44, c58; ...

Table with columns: OBIP, Obispo Ponce, 2.22 271, P, Pn, 18 25 09.7 +0.8, etc. Lists various seismic stations and their coordinates.

Table with columns: MOAC, CRJC, Cerrejon, Guaj, 10.85 231, P, Pn, 18 28 45.1 -1.3, etc. Lists various seismic stations and their coordinates.





7d 18h

PGAV	comp-Z,40nm,1.1s	53.02	51	eP	P	18 33 50.0 +0.9
PGAV	comp-Z,50nm,1.6s			I	Amb	18 33 16.6
PGAV				eLQ	LQ	18 47 09.8
PGAV				eLR	LR	18 49 02.2
PGAV				IAMS_20	IAMS_20	18 52 13.8
POLO	comp-Z,361nm,18.0s	53.28	52	eP	P	18 33 51.9 +0.8
POLO				I	Amb	18 33 54.8
PCBR	comp-Z,32nm,1.7s	53.32	53	eP	P	18 33 52.2 +0.9
PCBR				I	Amb	18 33 54.2
PVRL	comp-Z,32nm,1.7s	53.32	52	eP	P	18 33 52.6 +1.2
PVRL				I	Amb	18 34 01.1
MTE	comp-Z,58nm,1.8s	53.34	53	P	P	18 33 51.6 +0.1
MTE				I	Amb	18 33 53.4
MTE	comp-Z,31nm,1.2s	53.34	53	eP	P	18 33 52.5 +0.9
MTE				I	Amb	18 33 58.6
MTE	comp-Z,46nm,1.9s			eLQ	LQ	18 47 13.3
MTE				eLR	LR	18 49 32.7
MTE				IAMS_20	IAMS_20	18 51 42.5
PMRV	comp-Z,278nm,20.0s	53.34	54	eP	P	18 33 52.6 +1.1
PMRV				I	Amb	18 33 54.1
PMRV	comp-Z,32nm,1.6s			eLQ	LQ	18 47 12.1
PMRV				eLR	LR	18 49 13.1
PMRV				IAMS_20	IAMS_20	18 52 00.6
SAATT	comp-Z,32nm,1.0s	53.34	5	iP	P	18 33 51.6 +0.7
SAATT				I	Amb	18 33 52.5
PBAR	comp-Z,30nm,1.6s	53.48	56	eP	P	18 33 53.9 +1.4
PBAR				I	Amb	18 33 55.7
MHC	comp-Z,30nm,1.6s	53.52	303	I	Amb	18 34 03.4
MHC	comp-Z,23nm,1.1s			I	Amb	18 33 55.8
NUUG	comp-Z,35nm,1.2s	54.02	38	P	P	18 33 56.9 +0.7
NUUG				I	Amb	18 33 57.1
VAL	comp-Z,35nm,1.2s	54.02	38	P	P	18 33 56.9 +0.7
PBRG	comp-Z,35nm,1.2s	54.12	51	eP	P	18 33 58.3 +1.1
CVS	comp-Z,32nm,1.1s	54.24	305	I	Amb	18 34 06.4
WIFE	comp-Z,22nm,0.9s	54.47	312	I	Amb	18 34 13.9
WIFE	comp-Z,22nm,0.9s			I	Amb	18 34 13.5
J04A	comp-Z,40nm,1.9s	54.55	311	I	Amb	18 34 36.0
J04A	comp-Z,40nm,1.9s			I	Amb	18 34 36.0
YBH	comp-Z,167nm,19.4s	54.79	309	LR	LR	18 50 19.8
BORG	comp-Z,75nm,18.0s	54.80	21	LR	LR	18 56 31.4
BORG	comp-Z,75nm,18.0s			LR	LR	18 56 31.4
IGLA	comp-Z,40nm,1.9s	54.99	37	P	P	18 34 03.6 +0.4
KHBM	comp-Z,40nm,1.9s	55.05	307	I	Amb	18 34 03.0
MDT	comp-Z,244nm,21.1s	55.22	62	LR	LR	18 52 55.3
MDT	comp-Z,244nm,21.1s			LR	LR	18 52 55.3
KMRM	comp-Z,29nm,1.0s	55.38	307	I	Amb	18 34 24.6
KMRM	comp-Z,29nm,1.0s			I	Amb	18 34 25.4
KSXB	comp-Z,20nm,1.0s	55.66	309	I	Amb	18 34 25.4
ESDC	comp-Z,15nm,1.0s	56.00	54	P	P	18 34 11.5 +0.6
ESDC	comp-Z,15nm,1.0s			P	P	18 34 11.5 +0.6
ESDC	comp-Z,15nm,1.0s	56.00	54	P	P	18 34 11.4 +0.5
IWEX	comp-Z,15nm,1.0s	56.20	38	P	P	18 34 12.5 +0.5
YKA	comp-Z,15nm,1.0s	56.34	35	P	P	18 34 11.8 +1.0
YKA	comp-Z,15nm,1.0s			LR	LR	18 56 47.2
YKA	comp-Z,410nm,21.4s	56.34	335	P	P	18 34 12.0 -0.8
YKA	comp-Z,410nm,21.4s			P	P	18 34 12.0 -0.8
YKA	comp-Z,410nm,21.4s	56.34	335	P	P	18 34 12.0 -0.8
IDGL	comp-Z,410nm,21.4s	56.53	35	P	P	18 34 15.2 +0.9
SUMG	comp-Z,410nm,21.4s	56.55	9	iP	P	18 34 15.9 +1.3
SUMG	comp-Z,410nm,21.4s			I	Amb	18 34 17.0
DSB	comp-Z,67nm,1.0s	56.66	38	P	P	18 34 16.3 +1.1
ILTH	comp-Z,67nm,1.0s	56.89	37	P	P	18 34 17.3 +0.5
PLCA	comp-Z,67nm,1.0s	57.33	186	P	P	18 34 29.4 -0.6
PLCA	comp-Z,67nm,1.0s			LR	LR	19 00 41.2
PLCA	comp-Z,220nm,19.0s	57.33	186	I	Amb	18 34 42.9
PLCA	comp-Z,220nm,19.0s			I	Amb	18 34 42.9
PLCA	comp-Z,220nm,19.0s	57.33	186	I	Amb	18 34 28.6 -1.4
DBIC	comp-Z,31nm,0.7s	58.91	93	P	P	18 34 32.2 +0.5
DBIC	comp-Z,31nm,0.7s			P	P	18 34 32.1 +0.5
DBIC	comp-Z,31nm,0.7s	58.91	93	P	P	18 34 32.1 +0.5
DBIC	comp-Z,31nm,0.7s			P	P	18 34 32.1 +0.5
DBIC	comp-Z,80nm,1.2s	58.91	93	P	P	18 34 32.1 +0.4
ESK	comp-Z,80nm,1.2s	58.98	36	P	P	18 34 31.6 +0.1
ESK	comp-Z,80nm,1.2s			P	P	18 34 31.6 +0.1
ESK	comp-Z,103nm,1.6s	58.98	36	P	P	18 34 31.6 +0.1
EKA	comp-Z,103nm,1.6s	59.01	36	P	P	18 34 32.3 +0.6
EKA	comp-Z,103nm,1.6s			LR	LR	18 56 40.9
RES	comp-Z,121nm,19.1s	59.01	35	LR	LR	19 00 13.6
RES	comp-Z,121nm,19.1s			LR	LR	19 00 13.6
NEEM	comp-Z,184s,18.4s	59.83	3	iP	P	18 34 37.8 +0.4
NEEM	comp-Z,184s,18.4s			I	Amb	18 34 38.8
BBB	comp-Z,35nm,1.0s	59.97	303	LR	LR	19 02 44.2
BBB	comp-Z,35nm,1.0s			LR	LR	19 02 44.2
WRGLY	comp-Z,32nm,1.7s	60.34	333	I	Amb	18 34 41.6
WRGLY	comp-Z,32nm,1.7s			I	Amb	18 34 48.1 +1.7
DBG	comp-Z,44nm,1.1s	61.19	12	iP	P	18 34 48.1 +1.7
DBG	comp-Z,44nm,1.1s			I	Amb	18 34 48.5
DLBC	comp-Z,277nm,18.0s	62.16	327	LR	LR	19 04 21.2
DLBC	comp-Z,277nm,18.0s			I	Amb	18 34 56.8 +0.8
BSKO	comp-Z,277nm,18.0s	62.58	42	eP	P	18 34 58.7
SSB	comp-Z,277nm,18.0s	62.58	48	I	Amb	18 34 58.7
UCC	comp-Z,29nm,1.2s	62.77	42	eP	P	18 34 58.0 +0.6
DOU	comp-Z,18nm,1.3s	62.86	42	eP	P	18 34 58.5 +0.5
DOU	comp-Z,18nm,1.3s			P	P	18 34 59.5 +0.6
BMRD	comp-Z,29nm,1.2s	62.99	42	eP	P	18 34 59.5 +0.6
DAG	comp-Z,40nm,0.9s	63.10	11	iP	P	18 34 59.3 +0.2
DAG	comp-Z,40nm,0.9s			I	Amb	18 35 00.3
RCHB	comp-Z,11nm,1.1s	63.27	42	eP	P	18 35 01.4 +0.6
BCLA	comp-Z,11nm,1.1s	63.34	42	eP	P	18 35 01.4 +0.2
BCLA	comp-Z,11nm,1.1s			P	P	18 35 02.5 +0.1
TORD	comp-Z,220nm,0.7s	63.45	84	P	P	18 35 02.5 +0.1
TORD	comp-Z,220nm,0.7s			LR	LR	18 59 23.5
TORD	comp-Z,184nm,20.6s	63.45	84	I	Amb	18 35 03.6
TORD	comp-Z,184nm,20.6s			I	Amb	18 35 03.6
MEM	comp-Z,32nm,1.3s	63.80	42	eP	P	18 35 04.9 +0.7
MEM	comp-Z,32nm,1.3s			I	Amb	18 35 05.2 +0.7
WLF	comp-Z,16nm,1.1s	63.84	43	eP	P	18 35 05.2 +0.7
WLF	comp-Z,16nm,1.1s			P	P	18 35 05.5 +1.0
P33M	comp-Z,50nm,1.3s	63.89	329	I	Amb	18 35 16.6
P33M	comp-Z,50nm,1.3s			I	Amb	18 35 27.2
N32M	comp-Z,12nm,1.1s	64.17	330	I	Amb	18 35 27.2
N32M	comp-Z,12nm,1.1s			P	P	18 35 07.3 +0.5
KMY	comp-Z,12nm,1.1s	64.22	32	eP	P	18 35 07.3 +0.5
P32M	comp-Z,12nm,1.1s	64.24	328	I	Amb	18 35 18.7
SUE	comp-Z,11nm,1.0s	64.27	30	P	P	18 35 08.3 +1.2
BLSJ	comp-Z,11nm,1.0s	64.87	32	eP	P	18 35 11.9 +0.9
M31M	comp-Z,11nm,1.0s	64.96	331	I	Amb	18 35 29.2
HYA	comp-Z,11nm,1.0s	64.97	30	eP	P	18 35 12.6 +0.9

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IBBN	comp-Z,34nm,1.0s	64.98	40	eP	P	18 35 12.1 +0.2
IBBN	comp-Z,34nm,1.0s			P	P	18 35 13.1 +1.0
ODD1	comp-Z,34nm,1.0s	65.01	32	eP	P	18 35 13.3 +0.6
SNART	comp-Z,34nm,1.0s	65.13	33	iP	P	18 35 15.3 +1.6
SNART	comp-Z,34nm,1.0s			P	P	18 35 15.0 +0.5
TNS	comp-Z,32nm,1.1s	65.35	41	eP	P	18 35 14.3 -0.1
KASTN	comp-Z,269nm,6.4s	65.49	29	eP	P	18 35 16.2 +1.1
AKN	comp-Z,269nm,6.4s	65.49	29	eP	P	18 35 32.4
N31M	comp-Z,12nm,0.8s	65.51	330	I	Amb	18 35 58.3
H31M	comp-Z,12nm,0.8s	65.56	335	I	Amb	18 35 39.4
F31M	comp-Z,27nm,1.4s	65.65	337	I	Amb	18 35 19.0 -0.7
F31M	comp-Z,27nm,1.4s			I	Amb	18 35 17.0
G31M	comp-Z,21nm,1.0s	65.75	336	P	P	19 04 04.9
G31M	comp-Z,21nm,1.0s			LR	LR	18 35 18.3 +1.3
INK	comp-Z,224nm,19.3s	65.78	738	LR	LR	18 35 18.6 +1.5
INK	comp-Z,224nm,19.3s			P	P	18 35 18.6 +1.5
MOL	comp-Z,224nm,19.3s	65.80	29	eP	P	18 35 17.6 -0.9
HOMB	comp-Z,224nm,19.3s	65.80	29	eP	P	18 35 19.4 +1.1
HOMB	comp-Z,224nm,19.3s			P	P	18 35 19.4 +1.1
HOMB	comp-Z,224nm,19.3s	65.80	34	eP	P	18 35 19.5 +0.9
HOMB	comp-Z,224nm,19.3s			I	Amb	18 35 20.5
HOMB	comp-Z,224nm,19.3s	65.83	31	eP	P	18 35 20.1 +0.2
HOMB	comp-Z,224nm,19.3s			I	Amb	18 35 20.7
HOMB	comp-Z,224nm,19.3s	65.84	47	P	P	18 35 21.2 +0.5
HOMB	comp-Z,224nm,19.3s			I	Amb	18 35 43.0
RETH	comp-Z,54nm,1.5s	65.98	40	eP	P	18 35 22.1 +1.3
RETH	comp-Z,54nm,1.5s			P	P	18 35 21.8 +1.1
MUD	comp-Z,34nm,1.2s	66.03	36	P	P	18 35 21.0 -0.2
MUD	comp-Z,34nm,1.2s			I	Amb	18 35 21.6
SSRD	comp-Z,64nm,1.3s	66.24	37	iP	P	18 35 22.0 +0.5
SSRD	comp-Z,64nm,1.3s			I	Amb	18 35 22.0 +0.5
SSRD	comp-Z,73nm,0.7s	66.29	46	eP	P	18 35 22.0 +0.5
SSRD	comp-Z,73nm,0.7s			I	Amb	18 35 43.0
DADA	comp-Z,56nm,1.3s	66.29	46	eP	P	18 35 22.1 +1.3
DADA	comp-Z,56nm,1.3s			I	Amb	18 35 21.8 +1.1
I30M	comp-Z,72nm,1.3s	66.30	334	I	Amb	18 35 21.0 -0.2
I30M	comp-Z,72nm,1.3s			I	Amb	18 35 21.6
DAVOX	comp-Z,6.3nm,0.8s	66.30	46	P	P	18 35 22.0 +0.5
DAVOX	comp-Z,6.3nm,0.8s			P	P	18 35 22.0 +0.5
DAVOX	comp-Z,6.3nm,0.8s</					



Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like EIDS, TOO, PMG, CTCTA, etc.

Technical notes and data for station CTCTA, including coordinates, frequency, and signal characteristics.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Lists various stations like MNI, TMTI, SANI, etc.

Main table of station data with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like MWPI, BSSI, MFKS, etc.

Main table of station data with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like ENH, BBOO, PZH, etc.



7d 20h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AOPR, AOPR, MLYT, GBPR, etc.

IDC 07 18:42:59.6:2.2, 7.12S:129.08E, h101km, 24km, mb3.3/4, mbmp3.9/9, Error ellipse: s-maj=20.4km s-min=18.4km az=81.0

ISC 07 18:42:58.8:0.8, 7.19S:0.06:129.17E:0.10, h100km, n9, c=279/13, mb3.2/3, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BATI, BATI, SJUI, SJUI, FITZ, FITZ, WRA, WRA, ASAR, ASAR, CTA, CTA, STKA, STKA, MKAR, MKAR, KURBB, KURBB.

IDC 07 19:56:11.8:1.9, 2.66S:126.41E, h103km, 18km, mb3.7/14, mbmp4.0/16, MS3.2/1, Error ellipse: s-maj=22.1km s-min=13.4km az=60.0

NEIC 07 19:56:13.2:1.3, 2.66S:0.1:126.48E:0.08, h116km, 7km, mb4.4/35, Error ellipse: s-maj=15.3km s-min=9.3km az=163.0

JMA 07 19:56:13.4:0.2, 2.7N:2.12E, h110km, 1km, MV3.6/14, NW OF OKINAWAJIMA IS

ISC 07 19:56:13.0:0.7, 2.616N:0.06:126.52E:0.05, h118km, 6km, n75, c=1916/83, mb4.3/33, Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like JKE, JKE, JAGN, JAGN, JTT3, JTT3, JINTH, JINTH, JIH, JIH, JOW, JOW, JOW, JOW, JYRO, JYRO, JOKE, JOKE, JIKM, JIKM, JJKM, JJKM, JIRJ, JIRJ, JIRJ, JIRJ, JMW, JMW, JTK, JTK, JNZ, JNZ.

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Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like JMZ, JMZ, NACB, NACB, YULB, YULB, TSSLB, TSSLB, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PDRP, PDRP, PDRP, PDRP, etc.

NEIC 07 20:18:34.0:0.6, 4.377N:105.47W:0.1, h0km, 1km, ML3.6/45, Error ellipse: s-maj=13.3km s-min=9.9km az=64.0

IDC 07 20:18:34.5:2.2, 4.377N:105.47W:0.1, h0km, mbmp3.6/4, ML3.5/4, Error ellipse: s-maj=62.6km s-min=10.8km az=147.0

ISC 07 20:18:34.5:1.1, 4.378N:0.06:105.38W:0.06, h0km, n35, c=1929/23, Wyoming

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like RSSD, RSSD, K22A, K22A, LAO, LAO, LAO, LAO, RLMT, RLMT, RLMT, RLMT, etc.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Maguëyes Islan, Cabo Rojo, Obispo Ponce, etc.

KRNET 07:20:29.16.8.0.1, 39.07N:76.18E, mb3.7
SOME 07:20:29.20.0.39.32N:75.93E, h15km
NIC 07:20:29.22.6.4.7, 39.15N:75.56E, h0km, mb3.4, mpv3.0,
Error ellipse: s-maj=55.1km s-min=38.3km az=83.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Sufi-Kurgan, Naryn, Taragay, Osh, Kajisay, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Uzunbulak, Karabastu, Karabastu, etc.

TEH 07:21:13.17.9.32, 41'N, 48.41'E, h8km, 29km, ML3.6,
Presumed earthquake

IDC 07:21:13.17.2.2, 32.62N:48.45E, h0km, mb3.9/10,
mbtmp3.9/11, ML3.0/1, MS3.0/1, Error ellipse:
s-maj=46.0km s-min=20.9km az=172.0

NEIC 07:21:13.17.5.1.7, 32.37N:0.08:48.58E:0.09, h10km, 1km,
mb4.3/10, Error ellipse: s-maj=16.0km s-min=9.8km
az=40.0

OMAN 07:21:13.27.1.0.1, 31.61N:48.79E, h10km, mb4.0/22, Error
ellipse: s-maj=7.6km s-min=1.1km az=13.0

ISC 07:21:13.17.9.0.5, 32.26N:0.05:48.50E:0.05, h17km, n82,
ICGZ 47/100, mb4.1/13, Western Iran

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Naft Sefid, Katar-mosalan, Doab, etc.

ASUJ Ajan, 9.56 142 P S Sn 21 17 11.8 -3.5
NAZ Nazwa, Dubai, 9.59 137 P S Sn 21 15 38.3 +3.1
MASF Masafi, 9.60 134 S P Sn 21 15 36.6 +1.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ASUJ, NAZ, MASF, ASUD, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MKAR, CLL, FINES, etc.

AFAD 07:21:22.31.9.36, 22'N:27.07E, h6km, 3km, ML1.3
ATH Latitude uncertainty: 2 km, h11km, 4km, ML2.0/2,
Longitude uncertainty: 2 km, Dodecanese Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KARP, KARP, KARP, etc.

ISK 07:21:22.45.9.36, 10N:27.10E, h3km, ML1.9/16,
Dodecanese Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KARP, KARF, DAT, etc.

NOU 07:22:08.34.8.17, 96'S:177.77W, h624km, mb4.7/27, Fiji
Islands Region

NEIC 07:22:08.35.4.1.5, 18.03S:0.10:178.0W:0.1, h601km, 6km,
mb4.7/72, Error ellipse: s-maj=14.5km s-min=14.4km
az=218.0

GFZ 07:22:08.35.7.0.2, 18'S:4x17'8W', h607km, M4.8/30,
mb4.8/30
IDC 07:22:08.37.5.0.8, 18.07S:178.05W, h624km, 7km, mb3.9/19,
mbtmp4.8/22, Error ellipse: s-maj=11.0km s-min=9.3km
az=157.0

ISC 07:22:08.35.0.0.3, 18.04S:0.06:177.91W:0.05, h600km,
n305, s1905/319, mb4.7/89, 25C-4D, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like FUTU, FUGA, FUGA, etc.

7d 22h

Table with columns: call sign, name, frequency, power, mode, and other parameters. Includes stations like Ouen Island, Mont Dzumac, Port Laguerre, etc.

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Table with columns: call sign, name, frequency, power, mode, and other parameters. Includes stations like Luwuk, Morawa, Labuhan Bajo, etc.

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Table with columns: call sign, name, frequency, power, mode, and other parameters. Includes stations like Princess Elisa, Chiang Mai Arr, etc.





Table with columns for station name, frequency, power, and other technical details. Includes stations like Valguarnera, Montegabbione, KIRK, DRGR, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like IMMV, lera Moni Meta, VYHS, KECS, WINA, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like FUORN, GEOR, GERES, KARP, etc.







Table with columns: EMPR, Esperanza - Ma, 0.65 311eP, Pb, 22.49 01.3 -0.6, SDA, 2.3nm,0.4s, AML, AML, 22.55 35.2, PFVI, Vila Bisbo, 3.68 88 eP, S, Sn, 23.00 15.7 0.0

TIR 07 22:52:19.8, 41:53N, 19:43E, h2km, 5km, ML2, 7/4
BEO 07 22:52:20.3, 41:52N, 19:52E, h6km, 3km, ML2, 5/14
PDG 07 22:52:21.6, 41:52N, 19:55E, h8km, ML2, 3/13, Error
ellipse: s-maj=0.1km s-min=0.2km az=0.0

ISC 07 22:52:20.3, 1.1, 41.53N, 0.02, 19.49E, 0.03, h7km, 9km, n66, -0978/97, 16C-7D, Albania

Main table of seismic events for the first section, including columns for Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, and ISC. Lists stations like TIR, ULC, SDA, DRME, Peshkopia, Brajci-Budva, etc.

TIR 07 22:55:15.8, 41:58N, 19:52E, h2km, 3km, ML2, 7/3
BEO 07 22:55:16.4, 41:54N, 19:53E, h9km, 3km, ML2, 8/14
RHSSO 07 22:55:16.3, 41:50N, 19:47E, h8km, 2km, ML2, 0/7
PDG 07 22:55:18.1, 41:66N, 19:53E, h7km, ML2, 7/12, Error
ellipse: s-maj=0.2km s-min=0.2km az=0.0

THE 07 22:55:25.9, 41:7N, 41:2.0E, 4.2, h5km, 28km, M2, 4/4, ML2, 4/4

ISC 07 22:55:16.4, 1.0, 41.56N, 0.02, 19.54E, 0.02, h7km, 9km, n73, -1504/124, 3C-3D, Albania

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, and ISC. Lists stations like TIR, ULC, SDA, DRME, Peshkopia, Brajci-Budva, etc.

Table with columns: SDA, 2.3nm,0.4s, AML, AML, 22.55 35.2, PFVI, Vila Bisbo, 3.68 88 eP, S, Sn, 23.00 15.7 0.0

DRME 2.3nm,0.4s, AML, AML, 22.55 28.9 -0.5, Vila Bisbo, 3.68 88 eP, S, Sn, 23.00 15.7 0.0

DRME 2.3nm,0.4s, AML, AML, 22.55 28.9 -0.5, Vila Bisbo, 3.68 88 eP, S, Sn, 23.00 15.7 0.0

Main table of seismic events for the second section, including columns for Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, and ISC. Lists stations like Podgorica, Berati, Ohrid, Korce, etc.

MDD 07 22:58:39.0, 1.1, 37:11N, 13:40W, h17km, Mb4, 1/8, ml\_mb3, 4/8, Error ellipse: s-maj=9.4km s-min=8.3km az=2.0

INMG 07 22:58:39.7, 1.3, 36:98N, 13:75W, h40km, 85km, ML2, 1, Error ellipse: s-maj=6.4km s-min=4.3km az=130.0, #DIST\_RANGE: REGIONAL #IPMA\_REGION: Josephine

IGIL 07 22:58:40.0, 37:11N, 13:40W, h17km, ML2, 0 CNRM 07 22:58:58.8, 36:50N, 10:95W, h3km

ISC 07 22:58:35.3, 2.9, 37:11N, 10:07, 13:4W, 0.1, h10km, n58, -217/97, 7C, Azores-Cape St. Vincent Ridge

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, and ISC. Lists stations like Vila Bisbo, etc.

Table with columns: PFVI, Vila Bisbo, 3.68 88 eP, S, Sn, 23.00 15.7 0.0

PMAFR Mafru, 3.76 59 P, Sn, 23.00 18.7 +2.4

PTEO Sao Teotonio, 3.78 82 eP, Sn, 23.00 16.1 -1.9

MORF Marmelete, 3.82 86 eP, Sn, 23.00 17.5 -1.7

MORF Marmelete, 3.82 86 eP, Sn, 23.00 18.8 -0.4

PLOUS Minas do Louisa, 4.08 75 eP, Sn, 23.00 26.2 +0.6

MESJ Messejana, 4.21 78 eP, Sn, 23.00 25.1 +2.0

MESJ Messejana, 4.21 78 eP, Sn, 23.00 29.0 +0.3

MOE Montemor, 4.26 69 eP, Sn, 23.00 29.2 -0.9

PCVE Castro Verde, 4.33 81 P, Sn, 23.00 31.9 +0.3

PCVE Castro Verde, 4.33 81 eP, Sn, 23.00 31.2 -0.4

PCBE So Bento, 4.36 55 eP, Sn, 23.00 32.7 +0.1

PBDD Barranco-do-Ve, 4.39 87 P, Sn, 23.00 34.0 +0.7

PBDD Barranco-do-Ve, 4.39 87 eP, Sn, 23.00 32.7 +0.6

PBDD Barranco-do-Ve, 4.39 87 eP, Sn, 23.00 37.5 +0.0

PBDD Barranco-do-Ve, 4.39 87 eP, Sn, 23.00 37.6 +0.0

EVO Evora, 4.52 70 P, Sn, 23.00 35.2 +0.8

EVO Evora, 4.52 70 eP, Sn, 23.00 35.6 +1.9

EVO Evora, 4.52 70 eP, Sn, 23.00 36.0 -0.4

EVO Evora, 4.52 70 eP, Sn, 23.00 38.3 +0.0

EVO Evora, 4.52 70 eP, Sn, 23.00 40.2 +0.0

EVO Evora, 4.52 70 eP, Sn, 23.00 41.8 +0.0

PMTG Montargil, 4.55 63 eP, Sn, 23.00 36.9 -0.2

PMTG Montargil, 4.55 63 eP, Sn, 23.00 39.1 +0.0

PMTG Montargil, 4.55 63 eP, Sn, 23.00 39.2 +0.0

PMTG Montargil, 4.55 63 eP, Sn, 23.00 47.6 +0.0

VAQUEIROIS Vaqueiros, 4.57 85 P, Sn, 23.00 17.7 -0.9

VAQUEIROIS Vaqueiros, 4.57 85 eP, Sn, 23.00 17.7 -0.9

VAQUEIROIS Vaqueiros, 4.57 85 eP, Sn, 23.00 35.8 -1.8

VAQUEIROIS Vaqueiros, 4.57 85 eP, Sn, 23.00 38.1 +0.0

VAQUEIROIS Vaqueiros, 4.57 85 eP, Sn, 23.00 40.6 +0.0

PARRA Arraiolos, 4.59 67 eP, Sn, 23.00 37.4 +0.6

PARRA Arraiolos, 4.59 67 eP, Sn, 23.00 39.9 +0.0

PARRA Arraiolos, 4.59 67 eP, Sn, 23.00 40.0 +0.0

PMRPT Porto Santo, M, 4.67 211 eP, Sn, 23.00 27.4 -1.3

EGRO El Granado, 4.76 83 P, Sn, 23.00 41.1 -1.2

EGRO El Granado, 4.76 83 P, Sn, 23.00 48.7 +1.6

EGRO El Granado, 4.76 83 P, Sn, 23.00 04.3 +0.0

EGRO El Granado, 4.76 83 P, Sn, 23.00 39.1 -3.2

PSARD Sardoal, 4.83 57 eP, Sn, 23.00 50.6 +2.5

PSARD Sardoal, 4.83 57 eP, Sn, 23.00 43.5 -0.5

PSARD Sardoal, 4.83 57 eP, Sn, 23.00 45.8 +0.0

PSARD Sardoal, 4.83 57 eP, Sn, 23.00 46.0 +0.0

PCAS Casmilho, Conde, 4.85 51 eP, Sn, 23.00 51.4 +3.0

PCAS Casmilho, Conde, 4.85 51 eP, Sn, 23.00 43.9 -0.8

PCAS Casmilho, Conde, 4.85 51 eP, Sn, 23.00 46.1 +0.0

PCAS Casmilho, Conde, 4.85 51 eP, Sn, 23.00 47.1 +0.0



7d 23h

Table of station data for 7d 23h, including station names, coordinates, and various parameters like elevation and frequency.

2020 OCT

Main table of station data for 2020 OCT, listing station names, coordinates, and various parameters.

414

Table of station data for 414, including station names, coordinates, and various parameters.

ICD 07 23:50:42.9t.1.9, 6.52S; 130.05E, h76km, mb4.3/17, mtbpd4.8/24, MS3.1/10, Error ellipse: s-maj=16.4km
BUJ 07 23:50:43.1, 6.85S; 130.47E, h128km, mb5.2/6, mb4.8/43
NEIC 07 23:50:46.9t.1, 6.746S; 0.04; 130.13E; 0.07, h112km, 7km, mb4.8/57, Error ellipse: s-maj=10.0km s-min=4.8km az=113.0
GFZ 07 23:50:47.7, 0.3, 7.3S; 133.0E, h117km, 3km, M4.6/20, mb4.8/20
DJA 07 23:50:48.6, 0.1, 6.5S; 133.0E, h123km, 2km, M4.8/37, mb4.8/37, mb5.3/22, MLv5.1/24, Mw(mb)4.7/22, MwMwp0.0/1, Mwmp0.0/1
ISC 07 23:50:45.6, 0.3, 6.44S; 0.04; 130.16E; 0.04, h100km, n232, @1566/227, mb4.7/63, 1C-7D, Banda Sea

Table of meteorological data for station BBOO, including columns for station name, time, and various meteorological parameters like wind speed and direction.

Table of meteorological data for station SHLS, including columns for station name, time, and various meteorological parameters like wind speed and direction.

NEIC 08 00:04:42.6:1.4, 18:1N:0:1:64:26W:0:02, h10km,1km, ML2.7/20, MD3.75(RSPR), Error ellipse: s-maj=17.1km s-min=3.5km az=1.0

Table of meteorological data for station RSPR, including columns for station name, time, and various meteorological parameters like wind speed and direction.

Table of meteorological data for station OBIP, including columns for station name, time, and various meteorological parameters like wind speed and direction.

RHSSO 08 00:05:43.9:0.8, 41:57N:19:52E, h7km,2km, ML3.0/7 TIR 08 00:05:43.7, 41:60N:19:56E, h9km,5km, ML2.6/5

Table of meteorological data for station TIR, including columns for station name, time, and various meteorological parameters like wind speed and direction.





Table with columns: KURS, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, h, m, s, ISC. Includes stations like Kuram, Balybastay, Arharly, etc.

IDC 08 01:15:26.3-0.7, 21.78N-143.85E, h0km, mb4.0/14, mbmp4.0/14, MS2.9/2, Error ellipse: s-maj=25.5km s-min=18.7km az=74.0

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, h, m, s, ISC. Includes stations like Saipan, Guam, Minamidaito, etc.

Table with columns: BVAR, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, h, m, s, ISC. Includes stations like Borovoye Array, Karatay Array, etc.

NEIC 08 01:22:27.7-1.7, 38.17N-106.142E, 0.1, h46km, 7km, mb4.1/7, Error ellipse: s-maj=14.8km s-min=4.7km az=121.0

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, h, m, s, ISC. Includes stations like Honshu, Ishinomaki, etc.

IDC 08 01:15:28.2-0.5, 21.38N-143.8E, 0.1, h10km, n42, s=114/41, mb4.2/20, Mariana Islands region

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, h, m, s, ISC. Includes stations like Matsuhiro Arr, Matsu-tunnel, etc.

Table with columns: IL31, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, h, m, s, ISC. Includes stations like Eielson Array, Warramunga Arr, etc.

RSPR 08 01:34:41.8, 19:03N-67:15W, h6km, 2km, MD3/5 OSPL 08 01:34:41.6, 0.3, 19:06N-67:12W, h21km, 1km, ML2.7

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, h, m, s, ISC. Includes stations like Agudilla, Isla Deseecho, etc.

IDC 08 01:37:16.8-2.1, 19:50S-169:48E, h260km, 19km, mb3.4/3, mbmp3.9/5, Error ellipse: s-maj=38.4km s-min=19.5km az=171.0

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, h, m, s, ISC. Includes stations like Mare, Loyalty, Pines Island, etc.

IDC 08 01:55:04.7-1.6, 9:43S-119:80E, h0km, mb3.4/1, mbmp3.6/6, ML3.5/5, Error ellipse: s-maj=33.4km s-min=14.9km az=56.0



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SEUS, HUMP, SKI, PDPDR, etc.

AEIC 08 02:57:29.0±2.6, 52°18'N, 0°04'173.76W, 0.03, h39km, 3km, Error ellipse: s-maj=5.8km s-min=2.9km az=182.0

NEIC 08 02:57:28.1±0.8, 52.09N, 0°02'173.66W, 0.05, h14km, 7km, ML3.5/10, ML2.7(AEIC), Error ellipse: s-maj=4.5km s-min=3.0km az=123.0, Andreanof Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KOFF, ATKA, KOSE, etc.

ROM 08 02:58:33.5±0.1, 42.859N, 0°00'4.13E, 0.009, h18km, 1km, ML1.4/11, 3C, Error ellipse: s-maj=0.6km s-min=0.3km az=83.0, Central Italy

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MTRA, MFO, MNTT, etc.

ROM 08 02:58:37.4±0.1, 42.720N, 0°00'4.13E, 0.009, h13km, 1km, ML1.3/17, 1C-4D, Error ellipse: s-maj=0.7km s-min=0.3km az=243.0, Central Italy

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RM25, SMA1, MTRA, etc.

FUNV 08 03:09:34.8, 10°10'N, 73°17'W, h2km, MW3.6, Presumed earthquake

RSNC 08 03:09:35.3±0.0, 10°10'N, 1°7'3W, h122km, 2km, M3.9, mb5.2, mb4.0, ML3.1, Mw(mb)4.6

ISC 08 03:09:35.2±1.5, 10.08N, 0°05'73.23W, 0.03, h118km, 16km, n39, c2=1176, Northern Colombia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CRUC, ARGJ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BARC, PUERTO BERRIO, TAME, etc.

NEIC 08 03:12:08.2±1.2, 21°2'S, 0°1'178.7W, 0.1, h593km, 8km, mb4.1/19, Error ellipse: s-maj=20.7km s-min=12.3km az=153.0

IDC 08 03:12:09.1±2.1, 20.97S, 178.85W, h605km, 23km, mb2.9/7, mbmp3.8/8, Error ellipse: s-maj=34.1km s-min=18.7km az=141.0

ISC 08 03:12:09.9±0.6, 21°10'S, 0°1'178.9W, 0.1, h619km, n39, az=141.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MSVF, BFZ, THZ, etc.

CATAC 08 03:18:27.4±0.6, 12°N, 3°8'9W, h1km, M4.1/16, ML4.1/16, Error ellipse: s-maj=8.2km s-min=5.7km

8d 3h

az=47.1, confirmed
IDC 08 03:18:27.9.0.8, 12.68N:88.67W, h0km, mb3.9/13,
mbtmp3.9/15, ML3.6/2, MS3.5/14, Error ellipse:
s-maj=32.3km s-min=10.5km az=43.0
NEIC 08 03:18:29.2.1.6, 12.42N:0.07:88.89W:0.06, h10km, 1km,
mb4.6/172, Error ellipse: s-maj=13.9km s-min=8.1km
az=213.0
GCG 08 03:18:31.1.1.2.4, 12.41N:89.07W, h16km, 11km, MD4.9,
Presumed earthquake
SNET 08 03:18:31.1.1.2.5, 12.42N:88.94W, h15km, ML4.0,
Presumed earthquake
UCR 08 03:18:36.7.1.6, 12.34N:88.67W, h36km, 479km, MW4.3,
Presumed earthquake
ISC 08 03:18:32.6.1.2, 12.41N:0.05:88.91W:0.05, h45km, 11km,
n236, c1925/197, mb4.5/78, MS3.6/13, 1D, Off coast of
Central America

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like ALJI, ALJL, ALJC, etc., with their respective coordinates and phases.

2020 OCT

Main table of seismic events for October 2020. Columns include station codes (e.g., 146A, JCT, 247A), station names (e.g., Union, Junction City, Carrollton), time (20.14 360), magnitude (P, I, Amb), and other parameters.

420

Table of seismic events for magnitude 4.20 and above. Columns include station codes (e.g., PDAR, PDAR, PDAR), station names (e.g., Pinedale Array, Yinedale Array, Ely), time (35.15 333), magnitude (P, P, P), and other parameters.









Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and various flags. Includes stations like Combarbal, Hualane, Sierra Bellavi, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and various flags. Includes stations like Visviri, Copacapa Do Su, La Paz, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and various flags. Includes stations like LRK, SIZA, YRD, etc.



8d 7h

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like RABL Rabaul, GENI Geniem, COEN Coen, BAKI Blak, MTSU Mount Surprise, etc.

2020 OCT

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like TNTI Ternate, RMQ Roma, QLP Quilpie, AS17 Alice Springs, etc.

426

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like AUPHS Peel High Scho, BUKP Musuan, CMSA Cobar Meteorol, etc.



8d 7h

2020 OCT

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like AF1 Afiamalu, INU Inuyama, and various other regional stations.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like ODZ Otahua Downs, KUCZ Okains Bay, and various other regional stations.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like MCQ Macquarie Island, SLVN Son La, and various other regional stations.











DPC	comp=Z,3um,20.5s	Dobruska-Polom	119.31 326	ePKPDF	PKIKP	07 54 09.9 +1.4
DPC				ePP	PP	07 55 18.4 -1.2
DPC				AMS	AMS	08 46 30.0
SRO	comp=Z,3um,20.5s	Srobarova	119.32 322	ePKIKP	PKIKP	07 54 08.5 0.0
SRO				ePKP	PKIKP	07 54 08.5 0.0
SMOL		Smolenice	119.54 322	ePKIKP	PKIKP	07 54 10.8 +1.9
VRAC	comp=Z,2.6nm,0.5s,baz=11.1,slo=2.2,SNR=5.9	Vranov	119.66 325	ePKP	PKIKP	07 54 09.9 +0.5
VRAC				ePKP	PKIKP	07 54 39.4 -1.5
VRAC	comp=Z,1.8nm,0.3s,baz=155.3lo=3.7,SNR=1.7	Vranov	119.66 325	ePKP	PKIKP	07 54 08.8 -0.2
VRAC				ePKP	PKIKP	07 54 09.7 +0.6
MODS	comp=Z,2.2nm,0.5s,SNR=1.6	Modra-Piesok	119.69 323	ePKP	PKIKP	07 54 10.3 +1.1
MODS				ePKP	PKIKP	07 54 10.3 +1.1
MORH	comp=Z,1.1nm,1.0s	Miray, Hungary	119.80 321	ePKP	PKIKP	07 54 10.2 +0.8
KRUC	comp=Z,1.1nm,1.0s	Moravsky	119.89 324	ePKIKP	PKIKP	07 54 10.3 +0.7
TREC	comp=Z,1.1nm,1.0s	Trest	120.30 325	ePKIKP	PKIKP	07 54 11.4 +1.0
TREC				ePKPDF	PKIKP	07 54 11.4 +1.0
PRU	comp=Z,1.1nm,1.0s	Pruhonice	120.49 326	ePKIKP	PKIKP	07 54 11.5 +0.8
PRU				MLR	MLR	
PRU	comp=Z,4um,21.8s	Pruhonice	120.49 326	ePKPDF	PKIKP	07 54 11.5 +0.8
PRU				AMS	AMS	08 44 00.0
WINA	comp=Z,4um,21.8s	Alland / Wiene	120.53 323	ePKIKP	PKIKP	07 54 11.9 +1.0
RONA	comp=Z,1.1nm,1.0s	Rosalia, Austria	120.59 323	ePKIKP	PKIKP	07 54 13.1 +2.0
RONA				ePKP	PKIKP	
RONA	comp=Z,2.0nm,1.4s	Rona	120.59 323	ePKIKP	PKIKP	08 04 18.6 +0.3
CLL	comp=Z,5.5nm,0.7s	Colim	120.63 328	ePKIKP	PKIKP	07 54 11.0 +0.1
CLL				e		07 54 41.0
CLL				e		08 00 56.0
CLL	comp=Z,10.0nm,0.9s	Colim	120.63 328	ePKIKP	PKIKP	07 51 04.0 -3.1
CLL				ePKIKP	PKIKP	07 54 11.0 +0.1
CLL				ePKIKP	PKIKP	07 54 11.0 +1.6
CLL				ePKPDF	PKIKP	07 55 02.0 -2.6
CLL				ePP	PP	07 55 40.0 +0.6
CLL				ePP	PP	07 56 06.0
CLL				ePP	PP	07 56 22.0
CLL				ePP	PP	07 58 17.0
CLL				eS	SS	08 00 16.0 -2.3
CLL				eS	SS	08 02 30.0 +1.7
CLL				eS	SS	08 03 22.0 +0.3
CLL				eS	SS	08 04 14.0 +0.4
CLL				eS	SS	08 04 17.0 -0.7
CLL	comp=Z,10.0nm,0.9s	Colim	120.63 328	ePKIKP	PKIKP	08 04 58.3
CLL	comp=Z,2.6nm,1.5s	Colim	120.63 328	ePKIKP	PKIKP	08 05 15.0 -3.0
CLL				ePS	PS	08 05 31.0 -1.3
CLL				ePS	PS	08 06 00.0
CLL				ePS	PS	08 06 52.0
CLL				ePS	PS	08 08 32.2
CLL				ePS	PS	08 08 57.0
CLL	comp=Z,96nm,2.4s	Colim	120.63 328	ePKIKP	PKIKP	08 12 00.0 -0.2
CLL				eSS	SSS	08 12 54.0
CLL				eSS	SSS	08 16 30.0
CLL				eSS	SSS	08 17 24.0
CLL				eSS	SSS	08 18 48.0
CLL				eSS	SSS	08 20 01.0
CLL				eSS	SSS	08 24 00.0
CLL				eSS	SSS	08 28 00.0
CLL				eSS	SSS	08 35 00.0
CLL	comp=N,12um,30.2s	Colim	120.63 328	ePKIKP	PKIKP	08 35 00.0
CLL	comp=E,10um,31.2s	Colim	120.63 328	ePKIKP	PKIKP	08 47 00.0
ABNA	comp=Z,5um,20.5s	Allensteig Brun	120.64 324	ePKIKP	PKIKP	07 54 11.9 +0.8
CONA	comp=Z,4.8nm,0.7s	Conrad Observ	120.74 323	ePKIKP	PKIKP	07 54 12.0 +0.6
CONA	comp=Z,8.9nm,0.8s	Conrad	120.74 323	ePKIKP	PKIKP	08 04 17.3 -0.1
CONA				ePKP	PKIKP	
HSKC	comp=Z,3.2nm,0.5s	Hora Svate Kat	120.78 327	ePKPDF	PKIKP	07 54 12.1 +0.8
ZVC	comp=Z,3.2nm,0.5s	Zvikov	120.96 326	ePKPDF	PKIKP	07 54 12.5 +0.8
PKRC	comp=Z,3.2nm,0.5s	Cesky Krumlov	121.21 325	eSP	SP	08 05 26.7 +4.2
ARSA	comp=Z,3.2nm,0.5s	Arzberg	121.26 323	ePKP	PKIKP	07 54 12.7 +0.4
KHC	comp=Z,3.3nm,0.8s	Kasperske Hory	121.47 325	eP	Pdf	07 50 42.2 +1.9
KHC				e		07 54 13.8
KHC				e		07 54 45.9
KHC				e		07 55 46.9
KHC	comp=Z,4um,18.9s	Kasperske Hory	121.47 325	ePKPDF	PKIKP	07 50 42.2 +1.9
KHC				ePKPDF	PKIKP	07 54 13.8 +1.1
KHC				ePKPDF	PKIKP	07 54 45.0
KHC				ePKPDF	PKIKP	07 55 46.9 +1.6
KHC				AMS	AMS	08 50 20.0
GERES	comp=Z,2um,18.9s	GERESS Array B	121.54 325	ePKP	PKIKP	07 54 12.7 -0.1
GERES	comp=Z,1.1nm,0.5s,baz=90,slo=1.3,SNR=28	GERESS Array B	121.54 325	ePKP	PKIKP	07 54 12.0 -2.5
GERES	comp=Z,4.6nm,0.6s,baz=132,slo=2.2,SNR=1.8	GERESS Array B	121.54 325	ePKP	PKIKP	08 04 13.0 -1.0
GERES	comp=Z,0.8nm,0.2s,baz=210,slo=4.5,SNR=3.8	GERESS Array B	121.54 325	ePKP	PKIKP	08 04 47.1 -2.2
MOA	comp=Z,1.7nm,0.4s,baz=177,slo=3.5,SNR=4.7	Molln	121.72 324	ePKIKP	PKIKP	07 54 14.9 +1.6
MOA	comp=Z,7.8nm,0.7s	Molln	121.72 324	ePKIKP	PKIKP	08 04 12.9 -0.2
SOKA	comp=Z,2.5nm,0.5s	Soboth	121.83 322	ePKIKP	PKIKP	07 54 13.9 +0.3
SESA	comp=Z,7.3nm,0.8s	Seetaler Alpe	121.90 323	ePKP	PKIKP	07 54 14.0 +0.1
SESA	comp=Z,1.4nm,0.7s	Seetaler Alpe	121.90 323	ePKP	PKIKP	08 04 13.0 +0.4
BIOA	comp=Z,0.9nm,0.2s	Bad Ischl, Aus	122.16 324	ePKIKP	PKIKP	07 54 15.2 +1.1
OBKA	comp=Z,3.3nm,0.3s	Obir	122.20 322	ePKP	PKIKP	08 04 11.9 +0.7
VISS	comp=Z,2.3nm,0.5s	Visnje	122.36 322	ePKP	PKIKP	07 54 15.1 +0.6
LJU	comp=Z,2.3nm,0.5s	Ljubljana	122.44 322	ePKP	PKIKP	07 54 15.5 +0.8
PLCA	comp=Z,2.2nm,0.8s,baz=237,slo=2.5,SNR=3.3	Paso Flores	122.46 147	ePKP	PKIKP	07 54 15.4 +0.4
PLCA	comp=Z,2.7nm,0.9s,baz=20,slo=1.9,SNR=3.9	Paso Flores	122.46 147	ePKP	PKIKP	08 04 10.0 -1.2
PLCA	comp=Z,3.3nm,1.0s,baz=31,slo=1.9,SNR=3.9	Paso Flores	122.46 147	ePKP	PKIKP	08 04 45.4 -1.7
PLCA	comp=Z,5.3nm,1.0s,baz=177,slo=2.6,SNR=3.7	Paso Flores	122.46 147	ePKP	PKIKP	08 08 13.3 +1.4
CRNS	comp=Z,2.2nm,0.5s,SNR=5.1	Crnj Vrh	122.58 322	ePKP	PKIKP	07 54 15.2 +0.2
KBA	comp=Z,2.2nm,0.5s,SNR=5.1	Koehnreinsperr	122.64 323	ePKP	PKIKP	07 54 15.9 +0.6
MYKA	comp=Z,4.3nm,0.5s	Terra Mystica	122.69 323	ePKIKP	PKIKP	07 54 15.7 +0.5
LESA	comp=Z,2.2nm,0.5s,SNR=5.1	Schwarzeleot	122.86 324	ePKP	PKIKP	07 54 15.6 0.0
ABTA	comp=Z,3.8nm,0.5s,SNR=6.1	Abfaltersbach	123.30 323	ePKP	PKIKP	07 54 16.6 +0.1
TSUM	comp=Z,8.1nm,0.6s,baz=123,slo=3.0,SNR=9.6	Tsumeb	123.50 242	ePKP	PKIKP	07 54 18.1 +0.3
TSUM	comp=Z,9.1nm,0.9s,baz=75,slo=7.5,SNR=2.9	Tsumeb	123.50 242	ePKP	PKIKP	07 54 47.9 -1.1
TSUM	comp=Z,7.0nm,1.1s,baz=239,slo=2.1,SNR=4.4	Tsumeb	123.50 242	ePKP	PKIKP	08 04 43.1 -1.8
TSUM	comp=Z,3.2nm,0.9s,baz=311,slo=3.8,SNR=3.3	Tsumeb	123.50 242	ePKP	PKIKP	08 07 33.1 -1.2
WATA	comp=Z,1.3nm,0.4s,SNR=6.5	Walderalm	123.55 324	ePKIKP	PKIKP	07 54 19.3 +2.3
WTTA	comp=Z,1.3nm,0.4s,SNR=6.5	Wattenberg	123.55 324	ePKIKP	PKIKP	07 54 17.5 +0.5
MOTA	comp=Z,8.7nm,0.7s,SNR=5.9	Moosalm	123.81 325	ePKIKP	PKIKP	07 54 17.7 +0.2
FETA	comp=Z,12.89nm,0.7s,SNR=3.2	Timpagard	123.89 314	ePKP	PKIKP	07 54 18.4 +0.6
FETA	comp=Z,5.9nm,0.7s,SNR=3.2	Feichten	124.20 323	ePKIKP	PKIKP	07 54 19.0 +0.6
FETA	comp=Z,3.8nm,0.7s	Feichten	124.20 323	ePKIKP	PKIKP	08 04 04.6 +0.1
DAVA	comp=Z,3.8nm,0.7s	Damuels	124.54 325	ePKIKP	PKIKP	07 54 19.4 +0.4
DAVA	comp=Z,2.2nm,0.7s,SNR=3.7	Daube	124.65 323	ePKP	PKIKP	07 54 17.7 -0.8
SCHO	comp=Z,12nm,0.8s,baz=84,slo=2.9,SNR=3.5	Scho	124.65 323	ePKP	PKIKP	07 54 48.8 -1.7

SCHO	comp=Z,5.7nm,0.8s,baz=153,slo=5.9,SNR=3.9	Scho	124.65 323	ePKP	PKIKP	08 04 02.0 -0.8
DAVOX	comp=Z,2.0nm,0.6s,baz=110,slo=2.1,SNR=1.7	Davos Discham	124.82 325	ePKP	PKIKP	07 54 19.7 +0.1
DAVOX	comp=Z,1.7nm,0.9s,baz=42,slo=6.6,SNR=2.9	Davos	124.82 325	ePKP	PKIKP	07 54 50.0 -1.1
DAVOX	comp=Z,7.2nm,0.8s,baz=250,slo=5.9,SNR=7.6	Eskaaleimur Ar	125.14 339	ePKP	PKIKP	08 04 00.4 +0.3
EKA	comp=Z,4.6nm,0.5s,baz=123,slo=2.8,SNR=2.0	Eskaleimur Ar	125.14 339	ePKP	PKIKP	07 54 58.0 -1.0
EKA	comp=Z,9.9nm,0.8s,baz=32,slo=3.4,SNR=3.6	Eskaleimur Ar	125.14 339	ePKP	PKIKP	08 03 59.4 +1.1
EKA	comp=Z,4.7nm,0.8s,baz=225,slo=5.2,SNR=3.6	Eskaleimur Ar	125.14 339	ePKP	PKIKP	08 07 39.9 -1.9
WLF	comp=Z,1.8nm,0.9s,baz=246,slo=5.4,SNR=3.7	Walfargane	125.15 329	ePKP	PKIKP	07 54 17.0 -2.5
VAE	comp=Z,2.4nm,0.5s,baz=269,slo=6.4,SNR=3.7	Valgarnera	126.24 313	ePKP	PKIKP	07 54 21.4 -0.7
CFA	comp=Z,1.3nm,0.4s,SNR=3.7	Coronel Fontan	130.14 141	ePKP	PKIKP	07 54 29.1 -0.7
CFA	comp=Z,2.4nm,0.8s,baz=254,slo=4.2,SNR=4.2	Coronel Fontan	130.14 141	ePKP	PKIKP	07 54 59.9 -1.3
CFA	comp=Z,8.4nm,0.7s,baz=236,slo=5.8,SNR=2.2	Coronel Fontan	130.14 141	ePKP	PKIKP	07 57 43.1 +0.7
CFA	comp=Z,1.7nm,0.8s,baz=257,slo=2.9,SNR=6.3	Coronel Fontan	130.14 141	ePKP	PKIKP	07 54 31.4 -0.1
KEST	comp=Z,8.0nm,0.6s,baz=291,slo=2.4,SNR=7.4	Kesra	130.67 313	ePKP	PKIKP	07 54 31.8 0.0
EJON	comp=Z,1.1nm,1.0s	IPCC Station P	130.67 313	ePKP	PKIKP	07 54 37.6 +0.6
PBIA	comp=Z,1.1nm,1.0s	The Bluff, Cay	130.67 313	ePKP	PKIKP	07 54 36.8 -0.5
CBCY	comp=Z,1.1nm,1.0s	Nana	130.67 313	ePKP	PKIKP	07 54 37.3 -0.6
NNA	comp=Z,4.3nm,0.9s,baz=270,slo=4.0,SNR=10.0	Nana	130.67 313	ePKP	PKIKP	07 58 01.3 -0.2
NNA	comp=Z,2.2nm,0.7s,baz=281,slo=2.7,SNR=4.7	Nana	130.67 313	ePKP	PKIKP	07 54 26.0 -0.1
ATAH	comp=Z,8.2nm,0.5s,baz=177,slo=4.7,SNR=1.1	Atahualpa	133.60 106	ePKP	PKIKP	07 54 37.1 -0.1
ATAH	comp=Z,6.1nm,0.8s,baz=204,slo=0.3,SNR=2.8	Atahualpa	133.60 106	ePKP	PKIKP	07 55 06.6 -2.1
ATAH	comp=Z,2.6nm,0.8s,baz=186,slo=12,SNR=2.8	Atahualpa	133.60 106	ePKP	PKIKP	07 58 01.7 -0.3
ANCO	comp=Z,2.4nm,0.5s,baz=166,slo=4.4,SNR=8.3	Parque Ancho	133.79 152	ePKP	PKIKP	07 54 30.1 -6.3
EIBI	comp=Z,1.4nm,0.8s,baz=136,slo=2.9,SNR=3.2	Ibiza	134.40 321	ePKP	PKIKP	07 54 39.6 +0.7
LMGC	comp=Z,1.4nm,0.8s,baz=136,slo=2.9,SNR=3.2	Chera	134.40 321	ePKP	PKIKP	07 54 39.3 -0.2
EMCS	comp=Z,1.4nm,0.8s,baz=136,slo=2.9,SNR=3.2	Las Mercedes</				





Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like NB2 NORSAR Subarra, NOA NORSAR Array B, NOA NORSAR Array A, etc.

IDC 08 08:14:19.9u.4.3.21.66N:143.21E, h315km,43km, mb3.4/14, mbmtpl4.1/15, Error ellipse: s-maj=27.4km s-min=11.7km az=83.0

ISC 08 08:14:18.6u.0.9.21.5N:0.1x143.2E:0.2, h311km, n15, a=1523/19, mb3.6/13, Mariana Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MJAR Matsushiro Arr, KSRS Korea Array, KLR Kul'dur, etc.

FUNV 08 08:14:59.9, 10.07N:60.89W, h22km, MW3.7, Presumed earthquake, Trinidad

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like TRN Trinidad (W), PCRV Puerto La Cruz, etc.

IDC 08 08:24:30.7u.2.4.20.00S:179.50W, h545km,33km, mb2.9/5, mbmtpl3.8/6, Error ellipse: s-maj=37.8km s-min=24.5km az=52.0

ISC 08 08:24:31.1u.1.5.24.25S:0.1x179.7W:0.3, h550km, n7, a=2534/7, mb3.3/5, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MSVF Nonsavu, URZ Urewera, URZ Taitori, etc.

NEIC 08 08:42:12.9u.1.3.12.17S:0.08:167.0E:0.1, h218km,7km, mb4.4/40, Error ellipse: s-maj=15.4km s-min=11.9km az=78.0

NOU 08 08:42:13.3, 12.21S:166.89E, h202km, mb4.4/20, Santa

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SANVU Saraoutou, SANVU Saraoutou, SANVU Saraoutou, etc.

TUWZ Lake Taylor, LTZ Lake Taylor, TOO Toolangi, etc.

WRB Warramunga Arr, WB0 Warramunga Arr, WB0 Warramunga Arr, etc.

WRA Warramunga Arr, RAR Rarotonga, AS31 Alice Springs, etc.

MSVF Nonsavu, MSVF Nonsavu, MSVF Nonsavu, etc.

AFI Afiamalu, FUM Funafuti, SKZ Suva, etc.

OUZ Omahuta, URZ Urewera, URZ Urewera, etc.

URZ Urewera, BKZ Black Stump Fm, MARM Mare, etc.

NGOA Tingoa Reef, KHEZ Kahui Hut, HNR Honiara, etc.

SAVO Savo Central, KHZ Kahurangi, JCZ Jackson Bay, etc.

EIDS Eidsvold, ARMA Armidale, CTA Charters Tower, etc.

CTAO Charters Tower, WRA Warramunga Arr, MJAR Matsushiro Arr, etc.

MJAR Matsushiro Arr, TPUB Tapu, BBJ Bungulung, etc.

JKA Kamikawa-asahi, NJ2 Nanjing, USA0B Ussuriysk Arr, etc.

USA0B Ussuriysk Arr, USRK Ussuriysk Arr, USRK Ussuriysk Arr, etc.

USRK Ussuriysk Arr, Vnda Vanda, Vnda Vanda, etc.

Vnda Vanda, PETK Petropavlovsk, SBA Scott Base, etc.

SBA Scott Base, CASY Casey, CASY Casey, etc.

CASY Casey, HHC Hu-ho-hao-te, HHC Hu-ho-hao-te, etc.

HHC Hu-ho-hao-te, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

CMAR Chiang Mai Arr, PZH PanZhiHu, QSPA South Pole Qui, etc.

QSPA South Pole Qui, QSPA South Pole Qui, CNPM China Poot, etc.

CNPM China Poot, SONM Songoing Array, SONM Songoing Array, etc.

SONM Songoing Array, MAW Mawson, MAW Mawson, etc.

MAW Mawson, IL31 Mawson, IL31 Mawson, etc.

IL31 Mawson, ILAR Eielson Array, ILAR Eielson Array, etc.

ILAR Eielson Array, M27K Edge Creek, POKR Poker Plat Res, etc.

POKR Poker Plat Res, LOAD Klamath Falls, LOAD Klamath Falls, etc.

LOAD Klamath Falls, NVAR Mina Array Bea, NVAR Mina Array Bea, etc.

NVAR Mina Array Bea, PGC Sydney, PGC Sydney, etc.

PGC Sydney, GOBA Pilot Rock, GOBA Pilot Rock, etc.

GOBA Pilot Rock, WAH2 Wahluke Stone, WAH2 Wahluke Stone, etc.

WAH2 Wahluke Stone, WAH2 Wahluke Stone, WAH2 Wahluke Stone, etc.

WAH2 Wahluke Stone, WAH2 Wahluke Stone, WAH2 Wahluke Stone, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

NOU 08 08:48:54.9, 19.10S:176.31W, h482km, mb4.8/13, Fiji Islands Region

IDC 08 08:49:01.7u.0.9.18.13S:178.50W, h642km, 11km, mb3.1/11, mbmtpl4.2/14, Error ellipse: s-maj=19.0km s-min=13.5km az=141.0

NEIC 08 08:49:02.1u.1.3.18.18S:0.1x178.5W:0.1, h635km,8km, mb4.0/49, Error ellipse: s-maj=20.5km s-min=16.2km az=139.0

ISC 08 08:49:02.3u.0.8.18.03S:0.08:178.49W:0.09, h650km, n83, a=1338/4, mb3.9/30, Fiji Islands region

Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MSVF Nonsavu, MSVF Nonsavu, MSVF Nonsavu, etc.

MSVF Nonsavu, MSVF Nonsavu, MSVF Nonsavu, etc.

AFI Afiamalu, FUM Funafuti, SKZ Suva, etc.

OUZ Omahuta, URZ Urewera, URZ Urewera, etc.

URZ Urewera, BKZ Black Stump Fm, MARM Mare, etc.

NGOA Tingoa Reef, KHEZ Kahui Hut, HNR Honiara, etc.

SAVO Savo Central, KHZ Kahurangi, JCZ Jackson Bay, etc.

EIDS Eidsvold, ARMA Armidale, CTA Charters Tower, etc.

CTAO Charters Tower, WRA Warramunga Arr, MJAR Matsushiro Arr, etc.

MJAR Matsushiro Arr, TPUB Tapu, BBJ Bungulung, etc.

JKA Kamikawa-asahi, NJ2 Nanjing, USA0B Ussuriysk Arr, etc.

USA0B Ussuriysk Arr, USRK Ussuriysk Arr, USRK Ussuriysk Arr, etc.

USRK Ussuriysk Arr, Vnda Vanda, Vnda Vanda, etc.

Vnda Vanda, PETK Petropavlovsk, SBA Scott Base, etc.

SBA Scott Base, CASY Casey, CASY Casey, etc.

CASY Casey, HHC Hu-ho-hao-te, HHC Hu-ho-hao-te, etc.

HHC Hu-ho-hao-te, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

CMAR Chiang Mai Arr, PZH PanZhiHu, QSPA South Pole Qui, etc.

QSPA South Pole Qui, QSPA South Pole Qui, CNPM China Poot, etc.

CNPM China Poot, SONM Songoing Array, SONM Songoing Array, etc.

SONM Songoing Array, MAW Mawson, MAW Mawson, etc.

MAW Mawson, IL31 Mawson, IL31 Mawson, etc.

IL31 Mawson, ILAR Eielson Array, ILAR Eielson Array, etc.

ILAR Eielson Array, M27K Edge Creek, POKR Poker Plat Res, etc.

POKR Poker Plat Res, LOAD Klamath Falls, LOAD Klamath Falls, etc.

LOAD Klamath Falls, NVAR Mina Array Bea, NVAR Mina Array Bea, etc.

NVAR Mina Array Bea, PGC Sydney, PGC Sydney, etc.

PGC Sydney, GOBA Pilot Rock, GOBA Pilot Rock, etc.

GOBA Pilot Rock, WAH2 Wahluke Stone, WAH2 Wahluke Stone, etc.

WAH2 Wahluke Stone, WAH2 Wahluke Stone, WAH2 Wahluke Stone, etc.

WAH2 Wahluke Stone, WAH2 Wahluke Stone, WAH2 Wahluke Stone, etc.

WAH2 Wahluke Stone, WAH2 Wahluke Stone, WAH2 Wahluke Stone, etc.

WAH2 Wahluke Stone, WAH2 Wahluke Stone, WAH2 Wahluke Stone, etc.

8d 9h

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like Kaisererville, Modoc Plateau, Summer Lake, etc.

IDC 08 09:02:18.9-0.5, 62.133S-57.73W, h0km, mb4.1/1.2, mbtmp 1.4/1.4, ML4.0/2, Error ellipse: s-maj=20.6km s-min=13.4km az=83.0

NEIC 08 09:02:20.8-2.0, 62.225S-0.04-58.4W:0.1, h1km, mb4.8/3.2, Error ellipse: s-maj=9.5km s-min=6.2km az=306.0

ISC 08 09:02:21.0-0.6, 62.225S-0.04-58.4W:0.06, h14km, g6km, n85, s138/82, mb4.5/26, 4D, South Shetland Islands

Main table of station data for the left column, including station names, coordinates, and various parameters.

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Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like La Paz, Brasilia, Cruzeiro do Sul, etc.

IDC 08 09:06:17.1-7.3, 17.88N-64.76W, h0km, mb4.0/4, mbtmp4.0/4, Error ellipse: s-maj=20.1km s-min=3.1km az=54.0

NEIC 08 09:06:21.8-1.2, 18.09N-0.06-64.26W:0.03, h10km, mb4.0/4, Error ellipse: s-maj=9.7km s-min=4.3km az=176.0

TRN 08 09:06:21.5, 18.09N-64.27W, h75km, MD0.0, South-east of the British V.I.

RSRP 08 09:06:26.0, 18.00N-64.34W, h86km, 7km, MD3.9/11

ISC 08 09:06:21.7-1.3, 18.08N-0.08-64.26W:0.03, h11km, g9km, n79, s103/96, mb4.2/3, 11C-6D, Virgin Islands

Main table of station data for the middle column, including station names, coordinates, and various parameters.

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Main table of station data for the right column, including station names, coordinates, and various parameters.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for BKZ, ASAR, WRA, GSPA, FINES.

WEL 08 09:15:48.8, 0.2, 41.1 S, 172.17 E, h27km, 1km, M3.6/24, ML3.6/24, MLV3.6/24, Error ellipse: s-maj=3.2km s-min=2.2km az=157.0, confirmed

NOU 08 09:15:48.1, 41.1 S, 174.91 E, h17km, MLV4.0/15, Cook Strait, New Zealand

ISC 08 09:15:48.9, 0.9, 41.32 S, 174.87 E, 0.02, h32km, 4km, n121, 0.15/163, Cook Strait

Main station list table for the first section, including stations like Somes Island, Point Howard, Seaview, Aotea Quay Pip, Wellington, Baring Head, etc.

Main station list table for the second section, including stations like Quartz Range, Mangateitei, Pawanui, Moawhango, etc.

Main station list table for the third section, including stations like YUK, RUSJ, JKH, SHO, etc.

SDD 08 09:48:14.6, 2.4, 19.30 N, 70.94 W, h8km, 9km, MD2.7, ML2.1, MW2.2, Presumed earthquake

OSPL 08 09:48:14.6, 0.0, 19.46 N, 70.93 W, h3km, 5km, ML1.9, Presumed earthquake

ISC 08 09:48:13.8, 1.0, 19.44 N, 70.84 W, 0.03, h2km, 7km, n13, 0.183/23, 1C-1D, Dominican Republic region

Main station list table for the fourth section, including stations like SC01, MADR, LOPPI, etc.

ERM Erimo, YSS Yuzhno-Sakhalii, etc.

YSS comp=Z, 20nm, 0.8s, etc.

YSS comp=N, 40nm, 1.1s, etc.

YSS comp=E, 30nm, 1.2s, etc.

YSS comp=E, 60nm, 0.3s, etc.

YSS comp=E, 40nm, 0.4s, etc.

YSS comp=E, 50nm, 0.4s, etc.

JTM Tenmabayashi, TYV Tymovskoye, etc.

TYV comp=Z, 10.0nm, 0.8s, etc.

TYV comp=Z, 300nm, 3.1s, etc.

MJAR Matushiyohi Arr, etc.

USRK Ussuriysk Arr, etc.

OKH Okha, etc.

KLR Kul'dur, etc.

KLR Kul'dur, etc.

KRSR Korea Array, etc.

KRSR Korea Array, etc.

ULN Ulanbaatar, etc.

ULN Ulanbaatar, etc.

SONM Songoing Array, etc.

SONM Songoing Array, etc.

H1N2 WAKE ISLAND HY 29.65 137, etc.

H1N1 WAKE ISLAND HY 29.66 137, etc.

H1N3 WAKE ISLAND HY 29.67 137, etc.

H1S1 WAKE ISLAND HY 30.60 138, etc.

H1S2 WAKE ISLAND HY 30.60 138, etc.

MOS 08 09:50:40.7, 1.2, 43.66 N, 145.79 E, h102km, mb4.1/9, Error ellipse: s-maj=1.1, km s-min=0.8, lkm az=111.6

SKHL 08 09:50:41.4, 0.2, 43.60 N, 145.90 E, h102km, 5km, mb5.1/6, msh=5.9/6

JMA 08 09:50:41.8, 0.2, 43.6N, 145.8E, 0.8, h91km, 1km, MD3.6/38, MV3.6/38, NEUMURO REGION

JMA Felt J1 at NEUMURO REGION

IDC 08 09:50:43.9, 1.9, 43.70 N, 145.61 E, h12km, 15km, mb3.7/19, mbtmp=0.2/4, Error ellipse: s-maj=16.7km s-min=14.5km az=80.0

NEIC 08 09:50:44.1, 1.5, 43.64 N, 145.6E, 0.1, h113km, 4km, mb4.1/8, Error ellipse: s-maj=13.9km s-min=10.2km az=84.0

ISC 08 09:50:41.5, 0.6, 43.62 N, 145.82 E, 0.04, h93km, 5km, n93, 0.187/104, mb3.9/27, 5C-1D, Hokkaido region

Code Station Name Azimuth Phase ID Time Res

NMR Nemuro-Hokkai, etc.

NMR Nemuro-Hokkai, etc.

NEM Nemuro, etc.

NEM2 Nemuro, etc.

NEM2 Nemuro, etc.

YUK Yuzh-Kuril'sk, etc.

YUK Yuzh-Kuril'sk, etc.

YUK comp=Z, 2um, 0.2s, etc.

YUK comp=Z, 2um, 0.2s, etc.

YUK comp=Z, 2um, 0.2s, etc.

8d 10h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MKAR Makanchi Array, BCAR Beaver Creek A, KURK Kurchatov, etc.

TRN 08:09:52:41.7, 13:95N-61:49W, h165km, MD3.5, West of Saint Lucia, Windward Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SLBI Saint Lucia, MCLT Moule a Chique, etc.

IDC 08 10:02:29.8:1.1, 34:75N-24:23E, h0km, mb3.8/6, mbmp3.7/11, ML3.7/5, Error ellipse: s-maj=22.7km s-min=14.0km az=149.0

ATH 08 10:02:31.3, 34:65N-24:27E, h26km, 3km, ML3.5/10, Latitude uncertainty: 1 km; Longitude uncertainty: 1 km

ISK 08 10:02:32.4, 34:75N-24:31E, h2km, ML3.2/11

THE 08 10:02:33.0, 35:16N-2:4E, h17km, 2km, M3.2/11, ML3.2/11

ISC 08 10:02:32.8:0.8, 34:72N:0:05, 24:22E:0:03, h21km, 1km, n50, r126/63, mb3.8/5, Crete

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GVD Gavdhos, SIVA Sivas, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ANOY Anoyia, CHAN Chania, etc.

IDC 08 10:09:19.4:1.2, 26:60N:141:25E, h87km, 11km, mb3.5/10, mbmp3.8/13, Error ellipse: s-maj=21.2km s-min=15.4km

NEIC 10:09:21.1, 2:2, 26:57N:0:09-141:39E:0:08, h90km, 6km, mb4.5/18, Error ellipse: s-maj=14.7km s-min=6.9km az=146.0

JMA 08 10:09:22.0:1.1, 27:1N:1:14:2E, h129km, MV4.3/30, NEAR CHICHIJIMA ISLAND

JMA Felt J1 at NEAR CHICHIJIMA ISLAND

ISC 08 10:09:23.0:0.5, 26:56N:0:08-141:31E:0:08, h89km, n51, r150/49, mb4.1/16, Bonin Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BSO3 Boso 3, CBJJ Chichi jima, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KURBB Kurchatov Arra, INKA Innaminka, etc.

Bull 08 10:31:51.8:5:60Sx151:94E, h36km, mb5.1/6, mb4.8/33, Ms5.1/4, Ms7.4/8, DJA 08 10:31:53.6:0:6, 5:5:5:15:2E, h44km, 4km, M4.8/14, M4.6/14, m4.6/14, m4.9/4, MLV5.1/1, Mm(mB)4.2/4

GFZ 08 10:31:55.2:0.3, 5:5:4:15:2E, h36km, Ms.2/22, mb4.8/22, confirmed

IDC 08 10:31:56.9:1.0, 5:5:1S:151:78E, h57km, 8km, mb4.0/20, mbtmp4.3/22, MS4.1/9, Error ellipse: s-maj=16.2km s-min=7.5km az=115.0

NEIC 08 10:31:57.8:1.8, 5:48S:0:04:151:88E:0:09, h61km, 6km, mb4.9/107, Error ellipse: s-maj=13.7km s-min=3.8km az=106.0

ISC 08 10:31:56.2:0.4, 5:42S:0:04:151:79E:0:05, h45km, n192, r154/147, mb4.8/101, MS4.1/10, 1C-1D, New Britain region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KRVT Keravat, RABL Rabul, etc.

Table with columns: Station Name, Location, Time, Magnitude, and other parameters. Includes stations like MJAR, BBJJ, JSD, MDSI, KRSR, etc.

Table with columns: Station Name, Location, Time, Magnitude, and other parameters. Includes stations like KURSB, D23K, M27K, AAK, etc.

Table with columns: Station Name, Location, Time, Magnitude, and other parameters. Includes stations like IMMG, NEIC, GCMT, etc.









Table with columns: Station Name, Time, Azimuth, Elevation, Magnitude, and other parameters. Includes stations like KAN01 Argonia South, HILR Hailor Array B, 152A Waverly Hill, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, Magnitude, and other parameters. Includes stations like SHPR Sheep Range, MDPB Devils Postpile, 229A Bryant Ranch, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, Magnitude, and other parameters. Includes stations like LPAZ La Paz, LPAZ La Paz, LPAZ Matop, etc.

IDC 08 10:55:26.1z, 0.6, 77S:147.72E, h101km, 16km, mb3.6/6, mbtmp4.0/9, MS3.2/2, Error ellipse: s-maj=33.5km

ISC 08 10:55:25.0z, 0.9, 65SS:009.147.4E, 0.2, h100km, n12, c39.1/13, mb3.8/6, Eastern New Guinea region

Table with columns: Code, Station Name, Azimuth, Elevation, Magnitude, Time, Res, ISC, h, m, s, ISC. Includes stations like PMG Port Moresby, PMG 130nm, 0.4s, etc.

BUL 08 10:56:08.7z, 1.2, 25.72S:28.45E, h35km, 27km, Presumed earthquake

PRE 08 10:55:39.5z, 0.6, 26.42S:29.24E, h0km, ML2.2, IC, Suspected explosion, South Africa

Table with columns: Code, Station Name, Azimuth, Elevation, Magnitude, Time, Res, ISC, h, m, s, ISC. Includes stations like CRLN Carolina, Mapu, CRLN Carolina, etc.

NNC 08 10:56:27.6z, 0.6, 42.94N:77.94E, h0km, mb2.5, mpv3.4, Error ellipse: s-maj=6.1km s-min=2.3km az=177.0

KRNET 08 10:56:28.6z, 0.1, 42.97N:77.92E, h18km, mb2.9, SOME 08 10:56:29.1z, 42.98N:77.87E, h5km

Table with columns: Code, Station Name, Azimuth, Elevation, Magnitude, Time, Res, ISC, h, m, s, ISC. Includes stations like ANVS Ananyev, ANVS Ananyev, etc.

8d 11h

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like SATY, KURS Kuram, PRZ Przheval'sk, KOTS Kotyrbulak, etc.

DNK 08 10:59:04.1-6.9, 69.46N-13.21W, h36km, 118km, Presumed earthquake

BER 08 10:59:32.4-0.4, 71.44N-10.85W, h0km, 435km, ML2.2, Confirmed Earthquake, Jan Mayen Island region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like JMIC Jan Mayen, JNWW Jan Mayen West, etc.

KRNET 08 11:19:13.4-0.1, 40.63N-79.62E, mb3.2, NNC 08 11:19:16.4-1.6, 40.83N-79.66E, h12km, 8km, mb3.5, mpv3.3, Error ellipse: s-maj=10.7km s-min=8.9km az=146.0

SOME 08 11:19:16.4, 40.87N-79.70E, h5km, ISC 08 11:19:16.5-2.1, 40.86N-79.66E, 0.06, h10km, n30, r180/48, 17C-7D, Southern Xinjiang

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like TARG Taragay, KDJ Kajisay, SHLS Shalkode, etc.

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Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like ANVS Anan'yevoye, PDGK Podgornoye, KPKS Kokpek, etc.

DJA 08 11:23:40.4-0.3, 15.2S-12.8E, h10km, M4.1/13, mB5.4/3, mb4.4/6, MLv3.9/13, Mw(mb)4.8/3, Halmahera

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like TINTI Ternate, SANI Sanana, etc.

ICD 08 11:28:16.2-1.1, 14.76S-173.88E, h0km, mb3.6/3, mbtmp3.6/4, ML4.8/1, Error ellipse: s-maj=34.9km s-min=23.0km az=20.0, Fiji Islands region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like MSVF Nonsavu, ASAR Ala Springs, etc.

ICD 08 11:29:55.7-1.5, 51.79N-75.38E, h0km, mbtmp2.7/2, ML2.0/2, Error ellipse: s-maj=26.5km s-min=10.3km az=30.0

NNC 08 11:29:59.2-2.4, 52.03N-75.54E, h0km, mb2.9, mpv2.5, Error ellipse: s-maj=21.3km s-min=16.4km az=34.0, Suspected Mining explosion

ISC 08 11:29:54.0-1.3, 52.78N-07.76E, h0km, n8, o065/8, 3C-2D, Eastern Kazakhstan

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like KURK Kurchatov, KURBB Kurchatov Arra, etc.

PFE 08 11:30:28.0-0.8, 25.95S-29.49E, h0km, ML2.4, Suspected explosion

explosion, BGSJ 08 11:30:37.3-1.9, 25.87S-29.65E, h34km, 97km, ML2.3, Presumed earthquake

BUL 08 11:30:41.5-2.1, 25.70S-29.81E, h10km, MD3.1, Presumed earthquake

ISC 08 11:30:28.6-0.8, 26.03S-0.04-29.46E, 0.03, h0km, n27, r190/50, South Africa

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like CRLN Carolina, RUST Rust De Winter, TSWA Tswaing Meteor, etc.

ICD 08 11:35:31.7-4.19, 0.5109N-47.90E, h0km, Error ellipse: s-maj=157.7km s-min=120.1km az=102.0, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like I31KZ AKTYUBINSK INF, I43RU DUBNA INFRASTRON, etc.

SSNC 08 11:36:13.0-1.1, 19.43N-78.16W, h20km, 6km, MD3.2, ML2.7, MWV3.2, Presumed earthquake

JSN 08 11:36:16.0-1.1, 19.46N-77.90W, h16km, 29km, MD3.7, Presumed earthquake

ISC 08 11:36:11.5-1.3, 19.51N-0.03-78.15W, 0.03, h26km, 15km, n16, r174/33, 3C-1D, Cuba region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like PILO Pilon, LMGC Las Mercedes, etc.

YAR Yar











Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SONM, SFJD, Kangerlussuaq, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BTO2, MIAR, MIAR, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ZALV, ZALV, ZALV, etc.



Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like ESK, PABE, DZA, PPT2, etc.

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like RAR, VAL, VORD, IWEW, etc.

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like EVN, AZL, BRG, MEM, etc.







Table with columns: FAQ, AI Faqa, Dubai, 93.89 321, P, P, 14 35 51.8 -1.3, etc. Lists various stations and their coordinates.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Llanos de Chal, Mina Casimiro, Copiapo, etc.

Table with columns: JRA, Rausu, Nakash, 6.21 259, eP, Pn, 14 25 52.6 -0.6, etc. Lists stations like Gun Hill, Saint Lucia, Belmont, etc.

SJA 08 14:23:07.6:0.9,27:85S:71.26W,h27km,3km,ML3.2, MW3.5

ISC 08 14:23:07.2:1.2,27:83S:0.03:71.27W,0.06,h10km,n25, c256/41,4C-5D,Near coast of northern Chile

HEL 08 15:04:56.1:2.0,60:20N:25:20E,h0km,mb3.3/1, mltbmt3.4/3,ML3.6/2, Error ellipse: s-maj=137.4km s-min=27.6km az=68.0, Banda Sea



8d 15h

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl, Azimuth Whimper, Elevation Whimper, Azimuth Whine, Elevation Whine, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl, Azimuth Whimper, Elevation Whimper, Azimuth Whine, Elevation Whine.

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Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl, Azimuth Whimper, Elevation Whimper, Azimuth Whine, Elevation Whine.

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Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl, Azimuth Whimper, Elevation Whimper, Azimuth Whine, Elevation Whine.











TNCH	TengChong	59.40 304	↑P	P	16 08 52.4 +2.0
TNCH			pP	sP	16 09 10.6 +2.1
TNCH			S	S	16 16 57.4 +0.8
TNCH			sS	sS	16 17 22.3 +4.4
TNCH			SS	SS	16 20 47.9 -3.4
TNCH	comp=Z,19nm,0.6s		pmax	pmax	
TNCH	comp=Z,400nm,11.3s		L	L	
TNCH	comp=Z,830nm,25.8s		L	L	
TNCH	comp=Z,1μm,22.9s		L	L	
TNCH	comp=Z,3μm,26.0s		L	L	
HEH	HeiHe	59.47 343	eP	P	16 08 49.6 -0.5
HEH			pP	sP	16 09 09.1 +0.6
HEH			S	S	16 16 54.3 -2.0
HEH			SS	SS	16 20 51.4 -0.8
HEH	comp=Z,13nm,1.1s		pmax	pmax	
HEH	comp=Z,890nm,7.0s		L	L	
HEH	comp=Z,3μm,24.5s		L	L	
HEH	comp=Z,2μm,24.3s		L	L	
TIAR	Tiarei	59.51 107	eP	P	16 08 54.5 +3.4
TIAR	comp=Z,1μm,0.9s		eLR	LR	16 26 17.1
NPW	Naypyitaw	59.51 297	P	P	16 08 53.4 +2.4
TVO	Taravao	59.61 107	eP	P	16 08 54.3 +2.5
BTO2	Baotou	59.69 325	eP	P	16 08 54.7 +2.7
BTO2			pp	pp	16 11 04.9 +0.7
BTO2			S	S	16 17 02.3 +2.6
BTO2			SS	SS	16 20 58.4 +2.2
BTO2	comp=Z,57nm,0.7s		pmax	pmax	
BTO2	comp=Z,1μm,5.4s		L	L	
BTO2	comp=Z,4μm,16.5s		L	L	
BTO2	comp=Z,6μm,18.2s		L	L	
BTO2	comp=Z,8μm,18.0s		L	L	
LZH	Lanzhou	60.65 317	eP	P	16 09 01.3 +2.5
LZH			S	S	16 17 13.1 +0.8
LZH			sS	sS	16 17 30.6 +3.0
LZH	comp=Z,48nm,1.2s		pmax	pmax	
LZH	comp=Z,2μm,14.8s		L	L	
LZH	comp=Z,3μm,15.1s		L	L	
LZH	comp=Z,4μm,16.5s		L	L	
LZDM	Lanzhou Array	60.68 317	P	P	16 09 00.8 +1.7
PMOR	Pomariole Ree	60.79 104	eP	P	16 09 02.4 +2.6
PMOR	comp=Z,450nm,1.1s		eLR	LR	16 26 54.8
VAH	Vaihoa	61.05 104	eP	P	16 09 09.9 +8.3
VAH	comp=Z,246nm,1.1s		eLR	LR	16 27 02.4
DRV	Dumont d'Urville	61.14 185	P	P	16 09 02.5 +1.2
DRV			pP	pP	16 09 13.2 +0.9
HIA	Hailar	61.24 337	eP	P	16 09 03.5 +1.2
HIA			pP	pP	16 09 14.0 -1.2
HIA			sP	sP	16 09 18.3 -2.0
HIA			pP	pP	16 09 45.7 +1.1
HILR	Hailar Array B	61.47 338	eP	P	16 09 04.5 +0.7
HILR	comp=Z,7.0nm,0.5s,baz=148,slow=7.0,SNR=11.0		LR	LR	16 34 39.2
HILR	comp=Z,3μm,20.5s,baz=90,slow=35		LR	LR	16 36 48.6
SHEM	Shemaya Is, Ala	61.65 16	LR	LR	16 36 48.6
ZEZ	Zeya	62.63 344	eP	P	16 09 11.9 +0.4
ZEZ			e	e	16 09 23.3
ZEZ			ePP	sP	16 09 35.1 +5.3
ZEZ			eS	S	16 11 26.2
ZEZ			eS	S	16 17 36.5 +0.2
ZEZ			eS	S	16 17 51.5 +1.5
ZEZ			eSS	SS	16 19 02.2
ZEZ			pmax	pmax	16 21 47.5 +5.9
ZEZ	comp=N,200nm,6.6s		pmax	pmax	
ZEZ	comp=Z,200nm,9.8s		pmax	pmax	
ZEZ	comp=E,10.0nm,0.7s		pmax	pmax	
ZEZ	comp=N,10.0nm,1.0s		pmax	pmax	
ZEZ	comp=Z,20nm,1.1s		pmax	pmax	
MORE	Moret	62.65 301	P	P	16 09 10.9 -1.3
SAIH	SAIHA	63.18 299	eP	P	16 09 16.5 +0.5
KOHI	KOHIMA	63.35 302	eP	P	16 09 17.2 +0.2
AZL	Aizawl	63.86 300	eP	P	16 09 21.2 +0.9
ADK	Adak	63.89 22	IAMS_20	IAMS_20	16 31 38.0
ZIRO	ZIRO	64.23 304	eP	P	16 09 24.5 +1.6
BRDH	Bariadhala	64.42 998	LR	LR	16 35 38.8
TEZP	TEZPUR	64.77 303	eP	P	16 09 26.2 +0.1
ATKA	Aika Island	65.06 23	IAMS_20	IAMS_20	16 31 13.6
SHL	Shillong	65.17 302	P	P	16 09 28.3 -0.7
SHL	Shillong	65.17 302	P	P	16 09 28.2 -0.7
SHL	Shillong	65.17 302	P	P	16 09 30.3 +1.3
GA2A	Gaotai	65.21 318	eP	P	16 09 30.8 +1.9
GA2A			pP	pP	16 18 08.4 -0.8
GA2A			S	S	16 22 21.5 -1.1
GA2A			SS	SS	16 22 21.5 -1.1
GA2A	comp=Z,17nm,1.4s		pmax	pmax	
GA2A	comp=Z,500nm,8.6s		pmax	pmax	
GA2A	comp=Z,2μm,19.4s		L	L	
GA2A	comp=Z,2μm,20.6s		L	L	
GA2A	comp=Z,3μm,20.9s		L	L	
MA2	Magadan	65.25 360	P	P	16 09 29.4 +0.7
MA2	comp=Z,37nm,0.8s,baz=163,slow=5.6,SNR=14		LR	LR	16 40 49.9
MA2	comp=Z,3μm,18.0s,baz=188,slow=39		LR	LR	16 40 49.9
MA2	comp=Z,37nm,0.8s		P	P	16 09 31.5 +2.9
MA2	Magadan	65.25 360	eP	P	16 09 30.2 +1.6
MA2	Magadan	65.25 360	eP	P	16 09 30.2 +1.6
MA2	Magadan	65.25 360	pmax	pmax	
MA2	Magadan	65.25 360	I	I	16 09 27.4 -1.3
MA2	Magadan	65.25 360	I	I	16 09 31.7
MA2	Magadan	65.25 360	P	P	16 09 27.5 -1.1
MA2	Magadan	65.25 360	P	P	16 09 27.3 -1.3
CIT	Chita	65.85 336	eP	P	16 09 32.4 -0.3
CIT			e	e	16 09 44.0
CIT			e	e	16 09 56.6
CIT			e	e	16 10 02.8
CIT			e	e	16 10 37.2
CIT	comp=Z,84nm,2.4s		pmax	pmax	
ULN	Ulaanbaatar	65.89 329	eP	P	16 09 33.7 +0.5
ULN			pmax	pmax	
ULN	Ulaanbaatar	65.89 329	P	P	16 09 33.1 -0.1
ULN	Ulaanbaatar	65.89 329	IAMS_20	IAMS_20	16 37 12.2
ULN	Ulaanbaatar	65.89 329	P	P	16 09 34.3 +1.1
ULN	Ulaanbaatar	65.89 329	pP	pP	16 09 46.2 0.0

ULN	Ulaanbaatar	65.89 329	P	P	16 09 34.2 +1.0
ULN			pP	pP	16 09 45.2 -1.0
ULN			pP	pP	16 09 36.0 +0.8
SOMN	Songino Array	66.21 329	P	P	16 09 30.7
SOMN	comp=Z,1.6nm,0.7s,baz=147,slow=5.1,SNR=26		PKPKP	PKPKP	16 38 03.7
SOMN	comp=Z,0.2nm,0.4s,baz=353,slow=9.0,SNR=5.5		PKP2bc	PKP2bc	16 38 13.0
SOMN	comp=Z,1.7nm,0.8s,baz=297,slow=3.0,SNR=10		LR	LR	16 40 40.1
SOMN	comp=Z,2μm,18.2s,baz=137,slow=38		LR	LR	16 40 40.1
SOMN	comp=Z,2.1nm,0.8s		P	P	16 09 34.4 -0.8
SOMN			pmax	pmax	
SOMN	Songino Array	66.21 329	P	P	16 09 34.4 -0.8
CASY	Casey	66.41 197	P	P	16 09 35.1 -0.9
CASY			Iamb	Iamb	16 09 38.5
CASY	comp=Z,80nm,1.4s		66.41 197	IAMS_20	16 34 42.1
CASY	Casey	66.41 197	P	P	16 09 37.1 +1.1
CASY	comp=Z,6μm,22.0s		66.41 197	P	16 09 36.6 +0.6
CASY	Casey	66.41 197	pP	pP	16 09 47.0 -2.0
CASY			pP	pP	16 10 05.5 +0.1
DHUB	DHUBRI	66.92 301	eP	P	16 09 41.3 +1.3
GOMU	GeErMu	67.04 313	P	P	16 09 43.2 +2.1
GOMU			S	S	16 18 34.7 +2.6
GOMU	comp=Z,11nm,0.9s		pmax	pmax	
GOMU	comp=Z,2μm,18.1s		L	L	
GOMU	comp=Z,5μm,18.6s		L	L	
GOMU	comp=Z,8μm,17.8s		L	L	
TAOE	Nuku Hiva Isla	68.45 97	ePKIKP	P	16 09 52.1 +2.1
TAOE	comp=Z,433nm,25.0s		eS	S	16 18 41.1 -8.0
TAOE	comp=Z,278nm,24.3s		eSS	SS	16 23 08.6 -5.1
TAOE	comp=Z,459nm,29.8s		eLR	LR	16 30 20.9
SEY	Seymchan	68.63 1	P	P	16 09 49.9 -0.2
SEY	comp=Z,1.1nm,0.8s,baz=180,slow=7.1,SNR=11		LR	LR	16 34 18.1
SEY	comp=Z,2μm,21.6s,baz=174,slow=31		LR	LR	16 34 18.1
SEY	Seymchan	68.63 1	eP	P	16 09 50.0 0.0
SEY			pmax	pmax	
ZAK	Zakamensk	69.41 330	eP	P	16 09 55.1 -0.2
ZAK			pmax	pmax	
UNV	Unalaska Valle	69.43 25	IAMS_20	IAMS_20	16 35 28.6
UNV	comp=Z,5μm,19.0s		IAMS_20	IAMS_20	16 35 28.6
YAK	Yakutsk	69.66 350	P	P	16 09 56.8 +0.4
YAK	comp=Z,8.9nm,0.5s,baz=86,slow=5.4,SNR=7.4		LR	LR	16 38 34.6
YAK	comp=Z,1μm,21.7s,baz=146,slow=34		LR	LR	16 38 34.6
YAK	Yakutsk	69.66 350	eP	P	16 09 55.9 -0.5
YAK			ePP	sP	16 10 14.7 -0.1
YAK			e	e	16 10 17.3
YAK			eS	S	16 12 31.8
YAK			eS	S	16 18 58.4 -3.0
YAK			eSS	SKIKP	16 19 34.5 -6.2
YAK			pmax	pmax	16 19 51.3
YAK	comp=Z,26nm,1.2s		pmax	pmax	
YAK	comp=N,6.0nm,1.3s		pmax	pmax	
YAK	comp=E,2.0nm,1.1s		pmax	pmax	
YAK	comp=Z,50nm,2.1s		pmax	pmax	
YAK	comp=N,48nm,2.3s		pmax	pmax	
YAK	comp=N,294nm,5.2s		smax	smax	
YAK	comp=N,49nm,3.7s		smax	smax	
YAK	Yakutsk	69.66 350	P	Iamb	16 09 55.2 -1.1
YAK	comp=Z,37nm,0.9s		69.66 350	P	16 09 56.2 -0.2
YAK	Yakutsk	69.66 350	P	P	16 09 57.2 +0.8
YAK	comp=Z,40nm,1.4s		pP	pP	16 10 08.2 -1.5
YAK			pP	pP	16 10 21.0 +2.0
YAK	Yakutsk	70.04 331	P	P	16 09 59.6 +0.6
YAK	comp=Z,6.2nm,0.9s,baz=115,slow=7.8,SNR=3.0		LR	LR	16 40 01.0
TLY	Talaya	70.04 331	iP	P	16 10 00.3 +1.3
TLY	comp=Z,2μm,21.4s,baz=124,slow=35		P	P	16 10 00.3 +1.3
TLY	comp=Z,6.2nm,0.9s		P	P	16 10 00.3 +1.3
TLY	Talaya	70.04 331	P	P	16 09 59.2 +0.2
TLY	comp=Z,26nm,1.5s		P	P	16 09 59.2 +0.2
EVN	Everest	70.23 302	P	P	16 09 59.6 -1.8
EVN	Everest	70.23 302	P	P	16 10 00.7 -0.7
SPIA	Saint Paul Isl	70.37 21	IAMS_20	IAMS_20	16 35 21.0
CCD	RAYGADGA	70.83 293	eP	P	16 10 05.8 +1.4
CCD	Concordia, Ant	70.94 187	P	P	16 10 06.0 +1.4
CCD			pP	pP	16 10 16.4 -1.3
CCD			LR	LR	16 44 23.3
PALK	Pallekele	71.16 280	LR	LR	16 44 23.3
PALK	comp=Z,769nm,20.8s,baz=100,slow=38		P	P	16 10 05.0 -1.7
PALK	Pallekele	71.16 280	P	pmax	16 10 05.0 -1.7
PALK	comp=Z,24nm,1.0s		MLR	MLR	16 10 05.0 -1.7
PALK	comp=Z,1μm,22.0s		P	P	16 10 05.0 -1.7
PALK	Pallekele	71.16 280	P	P	16 10 07.4 +0.8
PALK	Pallekele	71.16 280	P	pP	16 10 18.5 -1.2
PALK	Pallekele	71.16 280	pP	pP	16 10 25.7 +0.7
VNDA	Vanda	71.83 177	P	P	16 10 13.0 +0.9
VNDA	comp=Z,11nm,0.8s,baz=331,slow=6.2,SNR=58		LR	LR	16 40 54.9
VNDA	comp=Z,2μm,18.2s,baz=11,slow=35		P	P	16 10 09.1 -0.3
VNDA	comp=Z,1nm,0.8s		P	pmax	16 10 09.1 -0.3
VNDA	comp=Z,29nm,1.1s		P	pmax	16 10 09.1 -0.3
VNDA	Vanda	71.83 177	P	P	16 10 09.1 -0.3
VNDA	Vanda	71.83 177	P	P	16 10 10.9 +1.5
VNDA	Vanda	71.83 177	P	P	16 10 10.6 +1.2
VNDA	Vanda	71.83 177	pP	pP	16 10 21.6 -1.0
VNDA	Scott Base	72.41 177	pmax	pmax	16 10 13.0 +0.1
SBA	Scott Base	72.41 177	MLR	MLR	16 10 13.0 +0.1
SBA	comp=Z,117nm,1.6s		MLR	MLR	16 10 13.0 +0.1
SBA	comp=Z,2μm,19.0s		Iamb	Iamb	16 10 32.3
SBA	Scott Base	72.41 177	P	P	16 10 15.7 +2.8
SBA	comp=Z,49nm,1.9s		P	P	16 10 15.2 +2.3
SBA	Scott Base	72.41 177	pP	pP	16 10 25.8 -0.2
SBA	Kungurtug, Tuv	72.52 328	iP	pP	16 10 15.5 +1.3
SBA			pmax	pmax	
VNFB	Vanda	73.14 27			

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MAKZ	Makanchi	80.06	319	P	Iamb	P	Iamb	16 10 55.7	-1.2
MAKZ	comp=Z,49nm,1.2s							16 11 11.0	
MAKZ	comp=Z,3um,21.0s							16 45 27.3	
MAKZ	Makanchi	80.06	319	P	Iamb	P	Iamb	16 10 56.7	-0.2
MAKZ	comp=Z,33nm,1.4s							16 11 09.5	-0.8
MAKZ	Makanchi	80.06	319	pP	P	pP	P	16 10 57.1	+0.1
MAKZ	comp=Z,3um,22.0s							16 11 07.8	-2.5
DHRM	DHARAMSHALA	80.16	304	eP	Iamb	P	Iamb	16 10 57.9	-0.2
DHRM	comp=Z,36nm,0.9s							16 11 00.2	
WUSH	Wushi	80.20	313	IAMS_20	IAMS_20			16 45 33.3	
WUSH	comp=Z,3um,22.0s							16 44 27.5	
CAPN	Captain Cook N	80.22	25	IAMS_20	IAMS_20			16 44 27.5	
CAPN	comp=Z,4um,20.0s							16 41 59.1	
G18K	Tagagawik	80.40	19	IAMS_20	IAMS_20			16 41 59.1	
G18K	Tissa	80.42	305	eP	Iamb	P	Iamb	16 11 00.6	+1.2
TSSA	comp=Z,1.13nm,0.7s							16 11 01.6	
K20K	Telida	80.47	22	IAMS_20	IAMS_20			16 41 50.9	
K20K	comp=Z,3um,22.0s							16 11 03.9	
RDOG	Red Dog Mine	80.56	16	Iamb	Iamb			16 11 03.9	
RDOG	comp=Z,35nm,0.8s							16 10 59.9	-0.1
SHLS	Shalkode	80.60	315	eP	P	P	P	16 10 60.0	-0.1
SHLS	Shalkode	80.60	315	eP	P	P	P	16 11 03.7	
SEW	Seward	80.62	26	Iamb	Iamb			16 11 03.7	
SEW	comp=Z,36nm,0.8s							16 44 06.3	
SKT	Skwentna	80.70	24	IAMS_20	IAMS_20			16 44 06.3	
SUA	Susitna One	80.75	24	Iamb	Iamb			16 11 03.6	
SUA	comp=Z,4um,20.0s							16 41 20.0	
E18K	Tukpahleark C	80.78	17	IAMS_20	IAMS_20			16 41 20.0	
E18K	comp=Z,4um,22.0s							16 46 23.6	
J20K	Nowinta River	80.90	21	IAMS_20	IAMS_20			16 46 23.6	
J20K	comp=Z,3um,20.0s							16 11 03.1	+1.4
UZB	Uzlynbulak	80.91	315	eP	P	P	P	16 11 03.1	+1.4
UZB	Uzlynbulak	80.91	315	eP	P	P	P	16 11 15.9	
PPLA	Purkeypie	80.93	23	Iamb	Iamb			16 11 15.9	
ZALV	Zalesovo Beam	80.97	327	P	P	P	P	16 11 00.4	-1.2
ZALV	comp=Z,1.5nm,0.6s							16 37 42.9	+0.3
ZALV	comp=Z,1.6nm,0.9s							16 45 48.0	
ZALV	comp=Z,2um,21.4s							16 10 59.6	-2.0
ZALV	Zalesovo Beam	80.97	327	P	P	P	P	16 10 59.6	-2.0
RC01	Rabbit Creek A	80.98	25	Iamb	Iamb			16 11 35.6	
RC01	comp=Z,64nm,1.3s							16 44 38.8	
G19K	Purcell Mountain	81.06	19	IAMS_20	IAMS_20			16 41 12.5	
G19K	comp=Z,4um,20.0s							16 42 29.8	
I20K	Naaghedeneel	81.14	21	IAMS_20	IAMS_20			16 42 29.8	
PRZ	Prizeval'sk	81.16	314	P	P	P	P	16 11 04.4	+1.3
PRZ	comp=Z,45nm,1.5s							16 11 41.8	
M22K	Willow	81.16	24	Iamb	Iamb			16 11 41.8	
M22K	comp=Z,78nm,1.2s							16 45 14.4	
KPKS	Kokpek	81.23	315	eP	P	P	P	16 11 04.9	+1.5
KPKS	Kokpek	81.23	315	eP	P	P	P	16 11 04.9	+1.5
CAST	Castle Rocks	81.25	22	IAMS_20	IAMS_20			16 42 02.8	
F19K	Shaluruick Mo	81.26	18	Iamb	Iamb			16 11 07.2	
F19K	comp=Z,26nm,0.8s							16 42 15.0	
SATY	Saty	81.31	315	eP	P	P	P	16 11 05.2	+1.3
SATY	Saty	81.31	315	eP	P	P	P	16 11 05.2	+1.3
TARG	Taragay, Kyrgyz	81.37	314	P	P	P	P	16 11 04.8	+0.2
CUT	Chulitna	81.43	24	IAMS_20	IAMS_20			16 44 27.6	
GHO	Glory Hole Cre	81.66	25	P	P	P	P	16 11 04.1	-1.1
GHO	comp=Z,3um,20.0s							16 43 49.2	
KNK	Knik Glacier	81.68	25	Iamb	Iamb			16 12 13.5	
KNK	comp=Z,101nm,1.7s							16 43 49.2	
KTH	Kantishna Hill	81.77	23	IAMS_20	IAMS_20			16 44 43.4	
E19K	Redstone River	81.81	18	IAMS_20	IAMS_20			16 42 31.6	
TDK	Taldyqorghan	81.87	317	eP	P	P	P	16 11 08.2	+1.6
TDK	Taldyqorghan	81.87	317	eP	P	P	P	16 11 08.2	+1.6
SML	Sawmill	81.93	25	Iamb	Iamb			16 11 11.3	
KDJ	Kajsaj	81.93	314	P	P	P	P	16 11 09.7	+2.5
TRF	Thorofore Moun	81.96	23	IAMS_20	IAMS_20			16 43 38.4	
GLI	Glacier Island	82.01	26	Iamb	Iamb			16 11 41.8	
GLI	comp=Z,103nm,1.5s							16 42 02.3	
BPAW	Bear Paw Mtn.	82.03	22	IAMS_20	IAMS_20			16 42 02.3	
F20K	Avarang Lake	82.03	19	IAMS_20	IAMS_20			16 44 42.4	
ASAI	AK-SAY(Kyrgyzs	82.09	313	P	P	P	P	16 11 08.5	+0.2
ASAI	comp=Z,7.7nm,1.4s							16 11 22.0	+0.3
H21K	Melozitna Rive	82.21	20	Iamb	Iamb			16 12 09.8	
H21K	comp=Z,56nm,1.7s							16 43 45.0	
FID	Port Fidalgo	82.22	26	Iamb	Iamb			16 11 33.4	
FID	comp=Z,92nm,1.5s							16 11 10.5	+1.4
MDOK	Medeo	82.30	315	eP	P	P	P	16 11 10.5	+1.4
MDOK	Medeo	82.30	315	eP	P	P	P	16 11 10.5	+1.4
TNS5	Tian-Shep	82.34	315	eP	P	P	P	16 11 10.5	+1.1
TNS5	Tian-Shep	82.34	315	eP	P	P	P	16 11 10.7	+1.1
SCM	Sheep Creek Mo	82.36	25	Iamb	Iamb			16 11 12.2	
SCM	comp=Z,31nm,0.9s							16 41 31.1	
KSH2	Kashi	82.36	311	P	PP	PP	PP	16 11 10.6	+1.1
KSH2	comp=Z,3um,22.0s							16 14 18.2	-0.7
KSH2	comp=Z,420nm,11.7s							16 21 20.6	-1.9
KSH2	comp=Z,2um,19.9s							16 11 10.6	+1.4
KSH2	comp=Z,2um,22.0s							16 11 10.6	+1.1
KSH2	comp=Z,2um,22.0s							16 11 12.2	
AAA	Alma-Ata	82.40	315	eP	P	P	P	16 11 11.1	+1.6
AAA	Alma-Ata	82.40	315	eP	P	P	P	16 11 11.1	+1.6
G21K	Allakaket	82.45	20	IAMS_20	IAMS_20			16 42 40.3	
G21K	Allakaket	82.45	20	IAMS_20	IAMS_20			16 43 56.7	
EYAK	Cordova Ski Ar	82.45	26	IAMS_20	IAMS_20			16 43 56.7	
EYAK	comp=Z,3um,20.0s							16 41 12.8	
RND	Reindeer	82.49	23	Iamb	Iamb			16 11 12.8	
MLY	Manley	82.60	21	Iamb	Iamb			16 11 14.4	
MCK	McKinley	82.62	23	P	P	P	P	16 11 08.3	-1.9
MCK	comp=Z,52nm,0.9s							16 11 13.0	
MCK	comp=Z,6um,20.0s							16 11 08.2	-1.9
MCK	comp=Z,52nm,0.9s							16 43 19.1	
BVN	Browne	82.64	22	IAMS_20	IAMS_20			16 43 19.1	
BVN	comp=Z,4um,21.0s							16 11 15.1	
Divide	Divide	82.70	26	Iamb	Iamb			16 11 15.1	
D20K	Etiyvik River	82.77	17	IAMS_20	IAMS_20			16 43 30.7	
D20K	comp=Z,228nm,0.8s							16 43 51.5	
KLU	Klutina	82.80	26	Iamb	Iamb			16 11 15.8	
H22K	Ishlatitna Cre	82.83	21	IAMS_20	IAMS_20			16 43 51.5	
F21K	Alatina River	82.85	19	IAMS_20	IAMS_20			16 43 06.0	
RAGM	Ragged Mountai	82.86	27	IAMS_20	IAMS_20			16 43 47.5	

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DHY	Denali Highway	82.92	24	Iamb	Iamb			16 11 29.9	
DHY	comp=Z,2.23nm,0.8s							16 45 51.9	
NIL	Nilore	82.96	305	P	P	P	P	16 11 11.3	-1.3
NIL	comp=Z,4um,20.0s							16 11 13.0	-1.5
NIL	comp=Z,30nm,0.8s							16 11 13.5	+0.9
NIL	Nilore	82.96	305	P	P	P	P	16 11 13.5	+0.9
NIL	comp=Z,2um,20.0s							16 11 13.9	+1.5
KUU	Kury	82.99	315	eP	P	P	P	16 11 14.0	+1.5
KUU	Kury	82.99	315	eP	P	P	P	16 53 32.8	
SUCK	Suckling Hills	83.14	27	IAMS_20	IAMS_20			16 53 32.8	
BMRM	Bremner River	83.14	26	Iamb	Iamb			16 11 16.5	
BMRM	comp=Z,3um,19.0s							16 43 11.4	
I23K	Minto, Yukon-K	83.17	22	IAMS_20	IAMS_20			16 43 11.4	
I23K	comp=Z,3um,22.0s							16 11 18.5	
WRH	Wood River Hill	83.31	22	Iamb	Iamb			16 11 18.5	
WRH	comp=Z,32nm,0.9s							16 47 56.1	
KURK	Kurchatov	83.41	322	iP	P	P	P	16 11 13.6	-0.8
KURK	comp=Z,4um,19.0s							16 11 13.0	-1.5
KURK	comp=Z,40nm,1.1s							16 11 13.0	-1.5
KURK	Kurchatov	83.41	322	P	P	P	P	16 11 13.0	-1.5
KURK	comp=Z,35nm,1.1s							16 48 28.9	
KURK	Kurchatov	83.41	322	P	P	P	P	16 11 13.8	-0.6
KURK	comp=Z,43nm,1.2s							16 11 13.7	-0.7
KURK	Kurchatov	83.41	322	P	P	P	P	16 11 13.5	-1.1
KURK	KURBB	83.44	322	P	P	P	P	16 37 39.6</	

BBB	Bella Bella	89.15	37	LR	LR	16 44 01.1
F30M	Barrier River	89.15	22	Iamb	Iamb	16 12 07.2
F30M	comp=Z,3um,20.0s			IAMS_20	IAMS_20	16 50 18.4
H31M	Peel River	89.18	23	P	P	16 11 41.3 -1.2
H31M	comp=Z,28nm,1.2s			IAMS_20	IAMS_20	16 47 01.0
H31M	comp=Z,3um,22.0s			IAMS_20	IAMS_20	16 47 01.0
DLBC	Dease Lake	89.32	31	LR	LR	16 47 36.2
G31M	Satah River	89.52	22	Iamb	Iamb	16 11 59.2
G31M	comp=Z,30nm,1.1s			IAMS_20	IAMS_20	16 47 19.0
F31M	Tsigheitch	89.86	22	Iamb	Iamb	16 12 48.5
F31M	comp=Z,80nm,2.0s			IAMS_20	IAMS_20	16 48 03.0
JCC	Jacoby Creek	90.15	49	IAMS_20	IAMS_20	16 49 45.8
INK	Inuvik	90.17	21	LR	LR	16 52 10.7
INK	Inuvik	90.17	21	P	P	16 11 46.6 -0.4
WTLY	Wats Lake, V	90.29	30	Iamb	Iamb	16 12 30.8
KRMB	Red Mountain	90.33	48	IAMS_20	IAMS_20	16 49 54.7
KCPM	Cahto Peak	90.34	50	Iamb	Iamb	16 12 01.4
KHMM	Horse Mountain	90.38	49	P	P	16 11 48.9 +0.1
KHMM	comp=Z,30nm,1.2s			IAMS_20	IAMS_20	16 49 25.9
J01E	Myrtle Point	90.53	47	P	P	16 11 49.0 -0.2
FARB	Farallon Island	90.54	52	IAMS_20	IAMS_20	16 44 10.5
K02D	Willamette Mer	90.66	47	Iamb	Iamb	16 12 04.6
MCCM	Maroni Confer	90.69	52	IAMS_20	IAMS_20	16 44 03.4
KHBM	Hayfork Bailey	90.74	49	IAMS_20	IAMS_20	16 49 28.5
O02D	Mt. Diablo Mer	91.00	50	Iamb	Iamb	16 12 04.9
O02D	comp=Z,3um,19.0s			IAMS_20	IAMS_20	16 49 51.6
CVS	Carmen Viney	91.05	52	IAMS_20	IAMS_20	16 44 02.8
M02C	Callahan	91.10	49	IAMS_20	IAMS_20	16 50 10.1
JRSC	Jasper Ridge	91.11	53	IAMS_20	IAMS_20	16 44 16.5
NLWA	Neilton Lookou	91.12	43	IAMS_20	IAMS_20	16 45 29.3
COLR	Corvallis	91.16	45	IAMS_20	IAMS_20	16 44 26.4
E03A	Lebam	91.22	43	P	P	16 11 51.8 -0.6
YBH	Yreka Blue Hor	91.25	48	P	P	16 11 53.4 +0.7
YBH	comp=Z,7.5nm,0.8s,baz=34,slow=2.6,SNR=14			LR	LR	16 49 42.7
YBH	comp=Z,3um,18.1s,baz=289,slow=33			Iamb	Iamb	16 12 05.8
YBH	Yreka Blue Hor	91.25	48	Iamb	Iamb	16 12 05.8
F0RD	Fort Ord Natur	91.40	53	IAMS_20	IAMS_20	16 46 28.1
MHC	Mount Hamilton	91.58	53	IAMS_20	IAMS_20	16 46 33.8
L04D	Klamath Falls	91.60	48	Iamb	Iamb	16 12 10.7
SUTB	Sutter Butte	91.67	51	IAMS_20	IAMS_20	16 44 57.1
SAO	San Andreas Ge	91.67	53	IAMS_20	IAMS_20	16 48 57.3
I04A	Tendick Farm,	91.70	46	Iamb	Iamb	16 12 10.6
HULL	Fort Hunter L	91.76	54	P	P	16 11 55.3 +0.1
O03E	Paynes Creek	91.77	50	Iamb	Iamb	16 12 18.4
ORV	Oroville	91.92	51	IAMS_20	IAMS_20	16 45 27.9
SYO	Syowa Base	91.99	20	iP	P	16 11 56.0 +0.5
HATC	Hat Creek Radi	92.08	49	IAMS_20	IAMS_20	16 56 10.1
WIFE	Three Sisters-	92.16	46	Iamb	Iamb	16 12 11.6
AFDM	Forest Hills D	92.27	51	P	P	16 11 57.1 -0.4
WELL	Weller Preserv	92.41	52	IAMS_20	IAMS_20	16 45 07.9
I05D	Terrebonne, OR	92.53	46	Iamb	Iamb	16 12 13.2
CMB	Columbia Colle	92.64	52	P	P	16 11 58.8 -0.4
CMB	comp=Z,23nm,1.3s			MLR	MLR	
CMB	comp=Z,4um,21.0s			Iamb	Iamb	16 11 58.8 -0.4
CMB	comp=Z,23nm,1.3s			IAMS_20	IAMS_20	16 45 55.9
K05A	Summer Lake	92.69	48	Iamb	Iamb	16 12 12.4
PINE	Pine Mountain	92.76	46	Iamb	Iamb	16 12 14.7
BEKR	Beckworth	92.83	50	Iamb	Iamb	16 12 14.7
MOD	Modoc Plateau	93.05	48	Iamb	Iamb	16 12 13.9
WAKR	Walker	93.42	52	Iamb	Iamb	16 12 16.2
PAHR	Pat Rah Range	93.56	51	Iamb	Iamb	16 12 16.4
MDPB	Devils Postpil	93.63	53	Iamb	Iamb	16 12 18.9
A36M	Sachs Harbour	93.68	18	IAMS_20	IAMS_20	16 51 38.9
OSI	Osito Audit: C	93.68	56	IAMS_20	IAMS_20	16 47 45.4
C36M	Paulatuk	93.74	21	P	P	16 12 03.0 -0.4
C36M	comp=Z,3um,22.0s			IAMS_20	IAMS_20	16 50 12.5
PASC	Pasadena Art C	94.09	56	IAMS_20	IAMS_20	16 47 37.3
MWC	Mount Wilson	94.20	56	IAMS_20	IAMS_20	16 47 41.2
TIN	Tinemaha, Big	94.27	53	IAMS_20	IAMS_20	16 45 52.8
NVAR	Minia Array Bea	94.31	52	P	P	16 12 07.8 +0.7
NVAR	comp=Z,7.3nm,0.7s,baz=259,slow=6.2,SNR=23			LR	LR	16 46 56.1
WVOR	Wild Horse Val	94.33	48	P	P	16 12 10.4 +3.4
KVN	Kaisererville	94.51	51	Iamb	Iamb	16 12 20.8
BFSC	Mount Baldy Ra	94.53	56	IAMS_20	IAMS_20	16 48 01.9
MPMC	Manual Prospec	94.79	54	Iamb	Iamb	16 12 22.6
SVE	Sverdlouvs	94.98	327	eP	MLR	16 12 08.1 -1.4
SVE	comp=Z,4um,21.0s			MLR	MLR	
ABKAR	Abkular array	94.98	319	P	P	16 12 07.4 -2.3
TPH	Tonopah	95.13	52	Iamb	Iamb	16 12 23.8
BAR	Barrett	95.25	58	IAMS_20	IAMS_20	16 47 43.1
ELIB	Princess Elisa	95.27	194	dP	P	16 12 10.9 +0.2
FURC	Furnace Creek	95.32	54	IAMS_20	IAMS_20	16 48 11.8
BMO	Blue Mountains	95.44	46	P	P	16 12 10.7 -1.3
BMO	comp=Z,8.0nm,1.0s			MLR	MLR	
BMO	comp=Z,3um,22.0s			IAMS_20	IAMS_20	16 12 10.7 -1.3
BMO	comp=Z,3um,22.0s			IAMS_20	IAMS_20	16 46 37.6

PFO	Pinyon Flats O	95.48	57	LR	LR	16 47 50.4
PFO	Pinyon Flats O	95.48	57	eP	P	16 12 14.6 +2.1
PFO	comp=Z,2.5nm,1.2s			pmx	pmx	
PFO	Pinyon Flats O	95.48	57	P	P	16 12 11.5 -1.0
PFO	comp=Z,2.0nm,0.9s			Iamb	Iamb	16 12 27.4
PFO	Pinyon Flats O	95.48	57	P	P	16 12 14.5 +2.0
BORC	Borrego Spring	95.50	57	P	P	16 12 10.8 -1.6
PMD	Palm Desert	95.56	57	Iamb	Iamb	16 12 27.5
NEW	Newport	95.72	42	P	P	16 12 13.5 +0.3
NEW	Newport	95.72	42	LR	LR	16 52 46.3
NEW	Newport	95.72	42	IAMS_20	IAMS_20	16 51 20.9
NEW	Newport	95.72	42	Iamb	Iamb	16 13 25.9
TPNV	Topopah Spring	95.84	54	IAMS_20	IAMS_20	16 47 26.5
BELC	Belle Mtn. Jos	95.89	56	IAMS_20	IAMS_20	16 48 14.0
VTX	Valle De La Tr	95.93	59	P	P	16 12 13.6 -0.9
RPN	Repa Nu	95.05	118	LR	LR	16 48 35.2
ARTI	Arti	96.21	326	d/P	P	16 12 15.1 0.0
ARTI	comp=Z,30nm,1.9s			PPP	PPP	16 16 09.0
ARTI	comp=Z,3um,21.0s			SKS	SKS	16 18 16.8
ARTI	comp=Z,3um,21.0s			SSS	SSS	16 24 50.6 +0.5
ARTI	comp=Z,5.0nm,0.9s			pmx	pmx	
ARTI	Arti	96.21	326	P	P	16 12 13.3 -1.8
AKTO	Aktubinsk	96.28	320	LR	LR	16 55 43.9
BC3	Big Chuckwall	96.33	57	IAMS_20	IAMS_20	16 48 16.5
PLID	Pearl Lake	96.38	45	P	P	16 12 15.5 -1.0
PLID	comp=Z,3um,20.0s			IAMS_20	IAMS_20	16 51 19.3
MFID	Manas Ranch	96.44	47	IAMS_20	IAMS_20	16 50 43.2
IRM	Iron Mountain	96.61	56	IAMS_20	IAMS_20	16 49 14.9
ELK	Elko	96.79	50	LR	LR	16 54 34.6
ELK	Elko	96.79	50	IAMS_20	IAMS_20	16 55 52.5
YKA	Yellowknife Ar	97.30	28	P	P	16 12 19.7 -0.2
YKA	comp=Z,3.2nm,0.5s,baz=271,slow=4.8,SNR=13			LR	LR	16 52 57.7
YKA	Yellowknife Ar	97.30	28	eP	P	16 12 20.2 +0.2
YKA	comp=Z,3.0nm,0.5s			pmx	pmx	
YKA	Yellowknife Ar	97.30	28	P	P	16 12 18.4 -1.5
HLID	Hailey	97.47	47	IAMS_20	IAMS_20	16 53 09.5
HLID	comp=Z,3um,20.0s			P	P	16 12 23.0 +1.5
DUG	Dugway, Toeole	98.63	50	IAMS_20	IAMS_20	16 56 52.2
NVL	Nazarevskaya	98.78	193	eP	P	16 12 38.3 +1.2
NVL	comp=Z,8.0nm,0.9s			eSS	eSS	16 34 24.9
NVL	comp=Z,1um,17.0s			MLR	MLR	
DLMT	Dillon	98.78	45	IAMS_20	IAMS_20	16 52 57.0
BOZ	Bozeman (W)	99.46	45	IAMS_20	IAMS_20	16 53 07.9
TROLL	Troll, Antarti	99.56	190	Pdiff	Pdiff	16 12 30.3 +0.2
HWUT	Hardware Ranch	99.57	49	IAMS_20	IAMS_20	16 51 20.1
FXWY	Fox Creek	99.94	47	IAMS_20	IAMS_20	16 51 15.6
TUC	Tucson	100.21	58	IAMS_20	IAMS_20	16 50 04.4
LKWY	Lake	100.36	46	IAMS_20	IAMS_20	16 55 43.0
EGMT	Eagleton	100.66	42	IAMS_20	IAMS_20	16 54 34.4
SNA	Sanae	100.69	188	P	Pdiff	16 12 35.5 +0.5
SNA	Sanae	100.69	188	iP	Pdiff	16 12 36.2 +1.2
SNA	comp=Z,7.0nm,1.1s			pmx	pmx	
SNA	comp=Z,8.1nm,1.2s			P	Pdiff	16 12 35.0 0.0
BW06	Boulder Array	101.03	48	IAMS_20	IAMS_20	16 56 33.7
PDAR	Pinedale Array	101.04	48	P	Pdiff	16 12 36.9 -0.5
PDAR	comp=Z,2.7nm,0.7s,baz=226,slow=5.9,SNR=4.6			PKKPbc	PKKPbc	16 28 49.6 -0.5
PDAR	comp=Z,0.4nm,0.5s,baz=109,slow=5.9,SNR=4.6			PKKPbc	PKKPbc	16 12 35.2 -2.2
RLMT	Red Lodge	101.14	45	IAMS_20	IAMS_20	16 54 42.4
VNA3	Neumayer Olymp	101.94	186	Pdiff	Pdiff	16 12 43.0 +2.5
MVCO	Mesa Verde	102.04	53	IAMS_20	IAMS_20	16 52 29.8
O20A	White River Ci	102.13	50	IAMS_20	IAMS_20	16 59 15.9
LAO	LASA Array	103.15	44	IAMS_20	IAMS_20	16 55 35.4
K22A	Casper	103.28	48	IAMS_20	IAMS_20	16 58 06.0
MAK	Makhachkala	103.73	313	eP	Pdiff	16 12 47.7 -1.3
MAK	comp=Z,2um,20.0s			ePPP	PPP	16 17 03.7
MAK	comp=Z,2um,20.0s			eP	PS	16 23 18.3
MAK	comp=Z,2um,20.0s			eSS	SS	16 26 11.9 -5.6
MAK	comp=Z,2um,20.0s			eSS	SSS	16 31 45.5 -3.8
MAK	comp=Z,302nm,1.2s			pmx	pmx	
TASM	ASL Pad, Albuq	103.77	56	IAMS_20	IAMS_20	16 56 15.7
TASM	ASL Pad, Albuq	103.77	56	IAMS_20	IAMS_20	16 56 15.6
TASM	ASL Pad, Albuq	103.77	56	IAMS_20	IAMS_20	16 51 32.6
EPT	El Paso	103.85	59	IAMS_20	IAMS_20	16 52 19.7
ISCO	Idaho Springs	104.17	51	IAMS_20	IAMS_20	16 59 47.8
DGMT	Daguerre	104.31	42	IAMS_20	IAMS_20	16 58 22.2
Q24A	Divide	104.59	51	IAMS_20	IAMS_20	16 52 59.0
FFC	Flin Flin	104.70	35	IAMS_20	IAMS_20	16 56 41.8
T25A	Trinidad	105.31	53	IAMS_20	IAMS_20	16 56 07.0
APA	Apacity	105.66	339	eP	Pdiff	16 12 52.5 -4.5
APA	comp=Z,3.0nm,0.9s			e	e	16 17 22.0
APA	comp=Z,3.0nm,0.9s			eSS	SS	16 32 18.9 +4.8
APA	comp=Z,3.0nm,0.9s			pmx	pmx	
TXAR	Lajitas Array	106.38	61	Pdiff	Pdiff	16 13 05.6 +4.3
TXAR	comp=Z,0.4nm,0.7s,baz=248,slow=6.6,SNR=4.8			PKKP	PKKP	16 17 13.9 +1.4
TXAR	comp=Z,0.9nm,1.0s,baz=333,slow=1.4,SNR=2.9			PKKP	PKKP	16 17 12.3 -0.2
KSCO	Kaye Shediak	106.54	51	IAMS_20	IAMS_20	16 54 44.7
OGNE	Ogallala	106.78	49	IAMS_20	IAMS_20	16 55 03.9
MSTX	Muleshoe	106.87	56	IAMS_20	IAMS_20	16 53 05.7
E28A	Huff	106.94	43	IAMS_20	IAMS_20	16 56 57.8
KIV	Kislovodsk	107.10	314	IAMS_20	IAMS_20	16 05 38.9

ARCES	ARCESS Array B	107.31	343	Pdiff	Pdiff	16 13 04.1 0.0
ARCES	comp=Z,1.1nm,0.7s,baz=78,slow=6.3,SNR=3.9			PKKP	PKKP	16 17 13.4 +0.2
ARCES	comp=Z,1.2nm,0.6s,baz=80,slow=6.4,SNR=8.0	</				







8d 16h

Table with columns: Station Name, Frequency, Mode, Power, SNR, etc. Includes stations like Ouen Toro, Queen Island, Rabaul, Keravat, Nonsavu, Port Moresby, etc.

2020 OCT

Table with columns: Station Name, Frequency, Mode, Power, SNR, etc. Includes stations like Vanda, HongShan, Scott Base, Xian, etc.

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Table with columns: Station Name, Frequency, Mode, Power, SNR, etc. Includes stations like Makanchi Array, Makanchi Array, etc.

IPCC 08 16:46:23.1±0.05152Nk16:26E, h1km, ML2.4/8, Error ellipse: s-maj=1.8km s-min=1.1km az=66.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time Res, etc. Includes stations like KSP, CHVC, CHVC, etc.











YPT	Yellepit	54.46	59	Iamb	Iamb	18 33 31.6			
MANU	Manus Island	54.62	187	P	P	18 33 31.5 +0.6			
AB31	Akbulak array	54.62	307	i	P	18 33 30.7 +0.2			
AKBAR	Akbulak array	54.62	307	P	P	18 33 30.0 -0.5			
AKTO	Aktyubinsk	54.77	309	P	P	18 33 31.4 -0.1			
AKTO	comp=Z,42nm,0.5s,baz=68,slow=7.1,SNR=194			ScP	ScP	18 37 31.6 -1.3			
AKTO	comp=Z,13nm,0.7s,baz=78,slow=3.3,SNR=6.9			S	S	18 40 30.9 -0.8			
NUUG	Nuugaatsiaq	54.81	10	i	P	18 33 29.8 -1.7			
DRK	Karamyk	54.83	291	P	P	18 33 33.4 +0.9			
SUMG	Summit	54.89	4	i	P	18 33 31.7 -0.9			
SUMG	comp=Z,42nm,0.5s					18 33 31.1			
PINE	Pine Mountain	54.91	62	Iamb	Iamb	18 33 36.1			
BTK	Batken	55.00	292	P	P	18 33 34.0 +0.6			
KLMR	Klimovskoe	55.04	327	eP	P	18 33 31.1 -2.1			
KLMR	comp=Z,65nm,0.7s			ePP	pmax	18 35 13.5 -2.5			
JCC	Jacob Creek	55.21	67	Iamb	Iamb	18 33 38.4			
KKM	Kota Kinabalu	55.22	226	P	P	18 33 36.8 +1.5			
KKM	Kota Kinabalu	55.22	226	P	P	18 33 36.1 +0.8			
KKM	Kota Kinabalu	55.22	226	P	P	18 33 37.4 +2.1			
KKM	Kota Kinabalu	55.22	226	P	P	18 33 37.3 +2.1			
L04D	Klamath Falls	55.23	64	Iamb	Iamb	18 33 38.1			
KHMM	Horse Mountain	55.34	66	Iamb	Iamb	18 33 39.3			
K05A	Summer Lake	55.66	63	Iamb	Iamb	18 33 41.5			
SAATT	Saattut	55.67	10	i	P	18 33 35.5 -2.0			
SAATT	comp=Z,56nm,0.7s					18 33 37.1			
STEI	Steigen	55.70	342	eP	P	18 33 36.9 -0.8			
OUL	Oulu	55.76	336	P	P	18 33 38.0 -0.2			
KMRM	Mali Ridge	55.80	67	Iamb	Iamb	18 33 42.3			
TNTI	Ternate	55.82	211	P	P	18 33 38.4 -1.0			
TNTI	Ternate	55.82	211	P	P	18 33 40.5 +1.3			
TNTI	Ternate	55.82	211	P	P	18 33 40.0 +0.6			
LOF	Lofoten	55.84	343	eP	P	18 33 38.0 -0.7			
FAUS	Fauske	56.17	342	eP	P	18 33 40.5 -0.5			
FFC	Flin Flon	56.49	42	P	pmax	18 33 43.5 +0.1			
FFC	comp=Z,56nm,0.7s					18 33 43.5 +0.1			
FFC	Flin Flon	56.49	42	P	Iamb	18 33 44.2 +0.7			
FFC	comp=Z,56nm,0.7s					18 33 44.2 +0.7			
FFC	Flin Flon	56.49	42	P	pP	18 33 43.9 +0.5			
FFC	FFC	56.49	42	P	ScP	18 35 31.0 +3.8			
MSO	Missoula	56.51	55	Iamb	Iamb	18 33 45.9			
MOD	Modoc Plateau	56.54	63	Iamb	Iamb	18 33 46.9			
FCC	Fort Churchill	56.56	35	Iamb	Iamb	18 33 44.1			
RABL	Rabaul	56.57	181	P	P	18 33 44.6 +0.1			
RABL	comp=Z,77nm,0.8s					18 33 46.5			
HATC	Hat Creek Radi	56.64	65	Iamb	Iamb	18 33 47.8			
PLID	Pearl Lake	56.65	58	Iamb	Iamb	18 33 47.1			
O03E	Paynes Creek	56.81	66	Iamb	Iamb	18 33 48.2			
WVOR	Wild Horse Val	57.08	62	Iamb	Iamb	18 33 50.7			
WVOR	Wild Horse Vag	57.08	62	Iamb	Iamb	18 33 49.8 +1.9			
VAGH	Vaagaholmen	57.12	342	eP	P	18 33 46.5 -1.0			
RAUS	Rausandaksla	57.24	342	eP	P	18 33 47.6 -0.8			
VRH	Ilulissat	57.26	10	i	P	18 33 46.1 -2.3			
ILULI	comp=Z,21nm,0.6s					18 33 47.5			
KONS	Konsvik	57.36	342	P	P	18 33 48.6 -0.5			
MORR	Moi Rana	57.39	341	eP	P	18 33 47.7 -1.8			
GTOI	Gorontalo	57.42	216	P	P	18 33 50.7 +0.4			
STOK	Stokkvaagen	57.52	342	eP	P	18 33 49.5 -0.8			
LEJRT	Leirfjorden	57.70	342	eP	P	18 33 50.8 -0.7			
EMGR	Eagleton	57.74	52	Iamb	Iamb	18 33 54.0			
TOLJ	Tollitoll	57.81	219	P	P	18 33 53.3 +0.4			
TOLJ	Tollitoll	57.81	219	P	P	18 33 53.3 +0.4			
BEKR	Beckworth	57.91	65	Iamb	Iamb	18 33 55.9			
FAKI	Fak Fak	57.95	204	P	P	18 33 54.3 +0.4			
NIL	Nilore	58.01	285	P	P	18 33 54.4 +0.3			
NIL	Nilore	58.01	285	P	P	18 33 54.5 +0.3			
NIL	comp=Z,395nm,0.9s					18 33 54.5 +0.3			
NIL	Nilore	58.01	285	P	P	18 33 54.5 +1.1			
NIL	comp=Z,5um,comp=Z,590nm,0.16s					18 33 54.3 -0.1			
BELG	Belogoroye	58.09	319	d	i	18 33 54.3 -0.1			
BELG	comp=Z,27nm,0.9s					18 33 57.9			
DLMT	Dillon	58.20	56	Iamb	Iamb	18 33 57.9			
MPK	Martis Peak	58.49	65	Iamb	Iamb	18 34 00.3			
BOZ	Bozeman (W)	58.52	55	Iamb	Iamb	18 33 59.9			
HLID	Hailey	58.53	58	P	P	18 33 59.3 +1.5			
PAHR	Pat Pah	58.56	65	Iamb	Iamb	18 34 00.4			
FINES	FINESS Array B	58.69	333	P	P	18 33 57.9 -0.4			
FINES	comp=Z,26nm,0.4s,baz=33,slow=7.2,SNR=273					18 35 42.6 -0.2			
FINES	comp=Z,8.8nm,1.0s,baz=12,slow=6.9,SNR=3.0					18 33 57.5 -0.7			
FINES	Pulkovo	58.81	330	eP	P	18 33 59.8 +0.7			
PUL	comp=Z,71nm,0.6s					18 34 03.0			
PNTR	Pine Nut	58.87	65	Iamb	Iamb	18 34 03.0			
SANI	Sanana	58.91	212	P	P	18 34 00.5 +0.1			
SANI	Sanana	58.91	212	P	P	18 34 00.3 -0.1			
SANI	Sanana	58.91	212	P	P	18 34 00.7 +0.2			
LWI	Luwuk	59.06	216	P	P	18 34 00.6 -0.8			
LWI	Luwuk	59.06	216	Iamb	Iamb	18 34 01.9			
YERR	Yerington	59.14	65	Iamb	Iamb	18 34 04.6			
CMB	Columbia Colle	59.17	67	Iamb	Iamb	18 34 04.5			
YHL	Hebgen Lake	59.27	55	Iamb	Iamb	18 34 05.2			
YHB	Horse Butte	59.33	55	Iamb	Iamb	18 34 05.6			
NSS	Namsos	59.34	341	eP	P	18 34 01.9 -0.7			
APSI	Ampansa	59.34	217	P	P	18 34 04.4 +1.1			
WAKR	Walker	59.37	66	Iamb	Iamb	18 34 06.3			
SFJD	Kangerlussuaq	59.44	10	P	P	18 34 01.9 -1.3			
SFJD	comp=Z,104nm,1.9s					18 34 01.9 -1.3			
SFJD	Kangerlussuaq	59.44	10	P	P	18 34 01.5 -1.7			
SFJD	comp=Z,104nm,1.9s					18 34 03.2			
SFJD	Kangerlussuaq	59.44	10	i	P	18 34 02.2 -1.0			
SFJD	comp=Z,14nm,0.9s					18 35 48.6 +0.6			
SOEG	Soedalen	59.49	2	pP	pP	18 34 02.7 -0.8			
MOS	Moscow	59.54	324	eP	P	18 34 04.3 +0.3			

MOS	comp=Z,58nm,0.6s					18 34 45.9			
MOS	comp=Z,58nm,0.6s					18 35 48.2 -0.9			
MOS	comp=Z,58nm,0.6s					18 36 23.4			
MOS	comp=Z,58nm,0.6s					18 41 31.8 -0.7			
MOS	comp=Z,58nm,0.6s					18 45 39.2 +0.5			
KVN	Kaiserwilk	59.73	64	Iamb	Iamb	18 34 08.5			
YFT	Old Faithful	59.73	55	Iamb	Iamb	18 34 09.9			
BBBG	Big Mountain B	59.83	68	Iamb	Iamb	18 34 09.8			
KBL	Kabl	59.84	288	P	P	18 34 05.3 -0.8			
KBL	SNR=48	59.84	288	P	pmax	18 34 05.2 -1.5			
KBL	comp=Z,117nm,0.8s					18 34 05.2 -1.5			
KBL	Kabl	59.84	288	P	P	18 34 05.2 -1.5			
KBL	Kabl	59.84	288	P	P	18 34 05.9 -0.8			
H17A	Grant Village	59.90	55	Iamb	Iamb	18 34 11.0			
PCI	Palu	60.02	219	P	P	18 34 08.4 +0.6			
DGMT	Dagmar	60.02	48	P	P	18 34 07.9 +0.4			
DGMT	comp=Z,84nm,1.0s					18 34 09.2			
RLMT	Red Lodge	60.03	54	P	P	18 34 09.2 +1.4			
RLMT	comp=Z,83nm,1.2s					18 34 10.6			
NVAR	Nina Array Bea	60.05	65	P	P	18 34 09.7 +1.7			
NVAR	comp=Z,31nm,0.7s,baz=300,slow=6.5,SNR=134					18 35 54.5 +0.6			
LHV	Little Hutton	60.07	65	Iamb	Iamb	18 34 11.2			
HULI	Fort Hunter Li	60.12	69	Iamb	Iamb	18 34 10.8			
SBUM	Sibu	60.20	228	P	P	18 34 10.9 +1.9			
SBUM	Sibu	60.20	228	Iamb	Iamb	18 34 12.1			
SBUM	Sibu	60.20	228	P	P	18 34 10.8 +1.8			
SBUM	Sibu	60.20	228	P	P	18 34 11.3 +2.3			
ARBE	Arbavere	60.37	332	P	P	18 34 09.9 +0.4			
LAO	Las Array	60.38	51	Iamb	Iamb	18 34 12.3			
Q09A	Carvers	60.38	64	Iamb	Iamb	18 34 12.9			
OBN	Obninsk	60.41	324	d	i	18 34 09.3 -0.4			
OBN	Obninsk	60.41	324	i	PP	18 35 57.7 +0.5			
OBN	Obninsk	60.41	324	P	P	18 36 28.6			
OBN	Obninsk	60.41	324	P	S	18 42 12.3 +2.9			
OBN	Obninsk	60.41	324	P	pmax	18 34 09.4 -0.4			
OBN	Obninsk	60.41	324	eP	P	18 34 09.3 -0.4			
OBN	Obninsk	60.41	324	P	P	18 34 08.6 -1.2			
PKD	Bear Valley Ra	60.91	66	Iamb	Iamb	18 34 13.6			
AHID	Auburn Hatcher	60.80	57	P	P	18 34 14.4 +1.5			
TPH	Tonopah	60.90	65	Iamb	Iamb	18 34 16.1			
VSU	Vasula	60.96	331	d	eP	18 34 12.4 -0.9			
VSU	comp=Z,95nm,1.3s					18 34 12.6 -0.7			
VSU	Vasula	60.96	331	P	P	18 34 15.6 +1.2			
TATA	Tatamb Isabel	61.03	172	P	P	18 34 17.6			
TIN	Tinmah, Big	61.07	66	Iamb	Iamb	18 34 17.6			
HWUT	Hardware Ranch	61.40	58	Iamb	Iamb	18 34 19.3			
HWUT	Hardware Ranch	61.40	58	P	P	18 34 18.6 +1.7			
VRH	Novokhoporsky	61.44	318	eP	P	18 34 15.5 -1.1			
VRH	Novokhoporsky	61.44	318	eP	pmax	18 34 15.5 -1.1			
YES	Vestal, Richgr	61.46	68	Iamb	Iamb	18 34 18.8			
LPSR	Galich ya Gora	61.47	321	eP	P	18 34 16.1 -0.7			
LPSR	comp=Z,98nm,0.6s					18 34 20.0			
BW06	Boulder Array	61.58	56	Iamb	Iamb	18 34 20.0			
PD31	Pinedale Array	61.58	56	Iamb	Iamb	18 34 20.0			
PDAR	Pinedale Array	61.58	56	P	P	18 34 19.0 +0.9			
PDAR	comp=Z,36nm,0.8s,baz=337,slow=1.7,SNR=264					18 36 05.8 +			

Table with columns: ID, Name, Time, Date, Status, Location, etc. Includes entries like 8d 18h, PV03, TJOU, etc.

Table with columns: LUBAR, LKRK, MTN, etc. Includes entries like LUBAR Lubar, Ukraine, LKRK Lenkeran, Azer, etc.

Table with columns: CLL, CLC, CLM, etc. Includes entries like CLL Colim, CLC Colim, CLM Colim, etc.

TIRR	Tirgusor	72.15 322	P	P	18 35 23.0 +0.3
TIRR	Tirgusor	72.15 322	I Amb	I Amb	18 35 23.8
KRUC	Moravsky	72.16 332	eP	pP	18 35 23.1 +0.3
KRUC	Moravsky	72.16 332	eP	pP	18 37 14.6 +1.1
KRUC	Moravsky	72.16 332	P	P	18 35 23.6 +0.8
MDB	Medias	72.17 325	P	P	18 35 23.7 +0.7
MDB	Medias	72.17 325	P	P	18 35 23.6 +0.7
MLR	Muntele Rosu	72.18 324	P	P	18 35 24.2 +1.0
MLR	Muntele Rosu	72.18 324	P	P	18 35 24.1 +1.0
MLR	Muntele Rosu	72.18 324	P	P	18 35 23.7 +0.6
DRGR	Ladybowler, Pea	72.18 326	P	P	18 35 23.1 0.0
DRGR	Ladybowler, Pea	72.18 326	P	P	18 35 23.6 +0.5
DRGR	Ladybowler, Pea	72.18 326	P	P	18 35 23.3 +0.2
NKC	Novy Kostel	72.19 334	P	P	18 35 23.5 +0.5
TREC	Trest	72.21 332	eP	P	18 35 23.4 +0.3
TREC	Trest	72.21 332	eP	P	18 35 23.4 +0.3
TREC	Trest	72.21 332	P	P	18 35 23.9 +0.6
TLBR	Topalu	72.21 322	P	P	18 35 23.2 +0.1
BORR	Bors	72.23 327	P	P	18 35 24.3 +1.1
KEMA	Kemaliye	72.25 312	P	P	18 35 24.5 +0.9
LBWR	Ladybowler, Pea	72.25 344	P	P	18 35 23.5 +0.2
ISR	Istrita	72.28 323	P	P	18 35 24.5 +0.9
ISR	Istrita	72.28 323	P	P	18 35 24.5 +0.9
TOKA	Tokat	72.29 314	I Amb	I Amb	18 35 25.6
KASTN	Kahler Ten	72.30 337	eP	P	18 35 24.0 +0.4
SMOL	Smolenice	72.34 331	eP	pmax	18 35 25.0 +1.1
SMOL	Smolenice	72.34 331	eP	pmax	18 35 25.0 +1.1
BUC	Zvukov	72.44 333	eP	P	18 35 24.7 +0.3
ZVC	Zvukov	72.44 333	eP	P	18 35 24.7 +0.3
ARRP	Arapgir-MALATY	72.46 312	P	P	18 35 26.2 +1.3
T3SA	Sooner Cattle	72.50 32	I Amb	I Amb	18 35 25.9
MODS	Modra-Piesok	72.52 331	eP	pmax	18 35 26.1 +1.2
MODS	Modra-Piesok	72.52 331	eP	pmax	18 35 26.1 +1.2
MODS	Modra-Piesok	72.52 331	P	P	18 35 26.1 +1.2
BSZH	Besenyasz	72.54 328	P	P	18 35 25.4 +0.4
CTAO	Charters Tower	72.59 186	P	P	18 35 26.6 +1.0
CTAO	Charters Tower	72.59 186	P	P	18 35 25.8 +0.3
CTAO	Charters Tower	72.59 186	P	P	18 35 25.8 +0.3
CTAO	Charters Tower	72.59 186	P	P	18 35 26.5 +1.0
BUKO	Buck Lake	72.60 36	I Amb	I Amb	18 35 25.5
TPB11	China Draw	72.64 60	I Amb	I Amb	18 35 28.0
M44A	Midewin, Midew	72.67 43	I Amb	I Amb	18 35 26.2
OK048	Pawnee Station	72.69 52	I Amb	I Amb	18 35 27.1
SRO	Srobarova	72.70 330	eP	pmax	18 35 29.1 +3.1
SRO	Srobarova	72.70 330	eP	pmax	18 35 29.1 +3.1
SRO	Srobarova	72.70 330	eP	P	18 35 29.0 +3.1
JASK	Jask-Hormozg	72.72 290	P	P	18 35 26.9 +0.5
ZST	Bratislava	72.73 331	eP	pmax	18 35 29.0 +2.9
ZST	Bratislava	72.73 331	eP	pmax	18 35 29.0 +2.9
ZST	Bratislava	72.73 331	P	P	18 35 29.0 +2.9
ARR	Arges	72.75 324	P	P	18 35 27.5 +1.1
SULR	Sulz	72.76 323	P	P	18 35 26.4 +0.1
SULR	Sulz	72.76 323	P	P	18 35 26.6 +0.3
BUD	Budapest	72.77 329	P	P	18 35 26.7 +0.4
ABNA	Allensteig Bun	72.79 332	P	P	18 35 27.1 +0.6
CWF	Charmwood Fore	72.82 344	P	P	18 35 26.7 +0.2
KHC	Kasperske Hory	72.89 333	eP	pmax	18 35 27.5 +0.4
KHC	Kasperske Hory	72.89 333	eP	pmax	18 37 20.0
KHC	Kasperske Hory	72.89 333	eP	pmax	18 35 27.5 +0.4
KHC	Kasperske Hory	72.89 333	eP	pP	18 35 27.5 +0.4
KHC	Kasperske Hory	72.89 333	P	pP	18 35 27.9 +0.9
DEV	Deva	72.91 326	P	P	18 35 26.2 -0.9
DEV	Deva	72.91 326	P	P	18 35 27.5 +0.3
DEV	Deva	72.91 326	P	P	18 35 27.5 +0.3
GRA3	Grafenberg Arr	72.92 333	P	P	18 35 28.0 +0.8
RCHB	Rochefort	72.97 335	eP	P	18 35 27.5 0.0
CKRC	Cesky Krumlov	72.97 333	eP	P	18 35 27.5 0.0
SIRR	Siria	72.99 327	P	P	18 35 28.1 +0.4
GRA2	Grafenberg Arr	73.00 335	P	P	18 35 28.5 +0.9
GRA1	Grafenberg Arr	73.01 335	I Amb	I Amb	18 35 29.3
GRA1	Grafenberg Arr	73.01 335	P	P	18 35 28.6 +0.9
GRF	Grafenberg Arr	73.01 335	P	P	18 35 28.4 +0.7
VHRN	Van Horn	73.03 62	I Amb	I Amb	18 35 30.6
LDAQ	Lac Daran	73.04 29	I Amb	I Amb	18 35 28.4
POST	Post	73.07 58	I Amb	I Amb	18 35 29.9
DSB	Dublin	73.10 347	I Amb	I Amb	18 37 01.5
WINA	Alland / Wiene	73.11 331	I P	P	18 35 29.0 +0.7
WINA	Alland / Wiene	73.11 331	I P	P	18 35 29.0 +0.7
WINA	Alland / Wiene	73.11 331	P	P	18 35 29.1 +0.8
GEC2	GERESS Array S	73.12 333	eP	P	18 35 28.6 +0.2
GEC2	GERESS Array S	73.12 333	eP	P	18 35 28.8 +0.3
GEC2	GERESS Array S	73.12 333	P	P	18 35 28.8 +0.3
GERES	GERESS Array B	73.12 333	P	P	18 35 28.5 +0.1
GERES	GERESS Array B	73.12 333	P	P	18 35 28.5 +0.1
GERES	GERESS Array B	73.12 333	PP	PP	18 38 18.9 -1.0
GRB4	Grafenberg Arr	73.12 335	P	P	18 35 29.1 +0.7
WMOK	Wichita Mounta	73.13 55	I Amb	I Amb	18 35 30.0
WMOK	Wichita Mounta	73.13 55	P	P	18 35 29.2 +0.5
PECS	Pecos	73.17 60	I Amb	I Amb	18 35 31.0
GRB1	Grafenberg Arr	73.17 335	P	P	18 35 29.4 +0.7
GRB3	Grafenberg Arr	73.17 334	P	P	18 35 29.4 +0.8
TNS	Tanus Mts	73.20 337	eP	P	18 35 29.1 +0.3
TNS	Tanus Mts	73.20 337	eP	P	18 35 29.2 +0.3
SGRR	Singurini	73.26 323	P	P	18 35 28.3 -0.8
ODSA	Odessa	73.27 59	I Amb	I Amb	18 35 31.3
SURR	Surdud	73.29 326	P	P	18 35 29.3 0.0
TPB06	Permian Basin	73.29 60	I Amb	I Amb	18 35 31.8
CONA	Conrad Observa	73.33 331	I P	P	18 35 30.6 +0.9
CONA	Conrad Observa	73.33 331	I P	P	18 37 17.4 -3.4
SOP	Sopron	73.35 31	P	P	18 35 30.9 +1.2
SN07	Snyder 07	73.37 57	I Amb	I Amb	18 35 31.6
DEOK	Depew	73.37 52	I Amb	I Amb	18 35 31.3
PALK	Pallekele	73.37 260	P	P	18 35 30.4 +0.1
PALK	Pallekele	73.37 260	P	P	18 35 30.5 +0.2
PALK	Pallekele	73.37 260	P	P	18 35 30.5 +0.2

PALK	Pallekele	73.37 260	P	P	18 35 30.1 -0.2
PALK	Pallekele	73.37 260	I Amb	I Amb	18 35 31.3
PALK	Pallekele	73.37 260	P	P	18 35 30.5 +0.2
PALK	Pallekele	73.37 260	P	P	18 35 30.5 +0.2
PALK	Pallekele	73.37 260	P	P	18 35 30.2 -0.2
PALK	Pallekele	73.37 260	I Amb	I Amb	18 35 30.6
S39A	Bolivar	73.38 49	I Amb	I Amb	18 35 30.2
MSVF	Nonsavu	73.39 155	P	P	18 35 32.6 +2.4
MSVF	Nonsavu	73.39 155	I P	P	18 35 31.7 +1.4
MSVF	Nonsavu	73.39 155	P	pmax	18 35 32.2 +1.9
MSVF	Nonsavu	73.39 155	P	P	18 35 32.7 +2.4
MSVF	Nonsavu	73.39 155	P	P	18 35 32.3 +2.0
MEM	Membach	73.41 339	dP	P	18 35 29.9 0.0
MEM	Membach	73.41 339	P	P	18 35 30.3 +0.4
RONA	Rosalia, Austr	73.41 331	I P	P	18 35 31.0 +0.9
RONA	Rosalia, Austr	73.41 331	eP	pP	18 37 17.9 -3.4
GRB5	Grafenberg Arr	73.42 334	P	P	18 35 30.6 +0.6
P43A	Skaggs, Pawnee	73.49 45	I Amb	I Amb	18 35 30.9
MPLH	Magyarpolny	73.51 330	P	P	18 35 31.6 +1.0
TRQ	Mont Tremblant	73.56 32	I Amb	I Amb	18 35 31.5
SHME	Shamm	73.57 291	I P	P	18 35 31.0 -0.3
SHME	Shamm	73.57 291	P	P	18 35 30.8 -0.5
GRC1	Grafenberg Arr	73.57 335	P	P	18 35 31.3 +0.4
BANOM	Banah	73.57 291	I P	P	18 35 31.4 0.0
BANOM	Banah	73.57 291	P	P	18 35 31.3 0.0
APMT	Aspermont	73.58 57	I Amb	I Amb	18 35 32.2
BZS	Buzias	73.58 327	P	P	18 35 30.9 -0.1
RAZG	Razgrad	73.62 322	P	P	18 35 31.2 -0.1
GRC3	Grafenberg Arr	73.65 334	P	P	18 35 31.8 +0.4
K50A	Castell	73.69 39	I Amb	I Amb	18 35 32.2
X34A	Smith Ranch, M	73.71 54	I Amb	I Amb	18 35 33.8
GRC2	Grafenberg Arr	73.72 335	P	P	18 35 31.8 0.0
QIS	Mount Isa	73.73 193	P	P	18 35 32.4 +0.3
QIS	Mount Isa	73.73 193	P	P	18 35 32.7 +0.6
W35A	Tecuneh	73.74 53	I Amb	I Amb	18 35 33.5
LOZB	Loznitsa	73.76 322	P	P	18 35 32.3 +0.2
BNN	Bunyan	73.77 314	I Amb	I Amb	18 35 33.9
MNHN	Munich	73.77 60	I Amb	I Amb	18 35 34.3
BSKO	Steenkerk	73.79 340	dP	P	18 35 32.1 0.0
MOA	Molin	73.86 332	I P	P	18 35 33.0 +0.4
MOA	Molin	73.86 332	P	P	18 35 33.0 +0.4
SRE	Strehla	73.87 325	P	P	18 35 33.0 +0.3
US3A	Gravette	73.90 51	I Amb	I Amb	18 35 33.6
SPIN	Lafayette	73.91 43	I Amb	I Amb	18 35 33.2
BANR	Barr	73.95 327	P	P	18 35 33.3 +0.3
HERR	Herculane	73.95 326	P	P	18 35 32.6 -0.6
WR8	Warramunga Arr	73.96 198	P	P	18 35 33.9 +0.5
BMRD	Mareduos	73.97 339	dP	P	18 35 32.9 -0.2
WRAB	Warramunga Arr	73.97 198	P	P	18 35 34.4 +1.0
WRA	Warramunga Arr	73.97 198	P	P	18 35 34.3 +0.8
WRA	Warramunga Arr	73.97 198	P	P	18 35 34.3 +0.8
WRA	Warramunga Arr	73.97 198	P	P	18 35 33.5 0.0
WC3	Warramunga Arr	73.99 198	P	P	18 35 34.2 +0.7
WC4	Warramunga Arr	74.00 198	P	P	18 35 34.2 +0.6
SLM	Saint Louis	74.00 47	I Amb	I Amb	18 35 34.1
RCHB	Rochefort	74.00 339	dP	P	18 35 33.1 -0.2
RCHB	Rochefort	74.00 339	P	P	18 35 33.9 +0.6
BR131	Keakin Array S	74.01 315	P	P	18 35 33.6 -0.1
BRTR	Keakin Array S	74.01 315	P	P	18 35 33.9 +0.1
BRTR	Keakin Array S	74.01 315	pP	pP	18 37 25.7 +0.5
BRTR	Keakin Array S	74.01 315	eP	sP	18 38 22.5 +2.3
MORH	Mirgy, Hungar	74.02 329	eP	P	18 35 32.9 -0.6
MORH	Mirgy, Hungar	74.02 329	eP	P	18 35 32.4 -1.1
MORH	Mirgy, Hungar	74.02 329	P	P	18 35 33.2 -0.3
VLAD	Vladia	74.02 324	P	P	18 35 33.4 -0.1
CCM	Cathedral Cave	74.03 48	P	pmax	18 35 32.8 -0.9
CCM	Cathedral Cave	74.03 48	P	pmax	18 35 32.8 -0.9
CCM	Cathedral Cave	74.03 48	I Amb	I Amb	18 35 32.8 -0.9
CCM	Cathedral Cave	74.03 48	P	P	18 35 33.6 -0.2
CCM	Cathedral Cave	74.03 48	P	P	18 35 33.5 -0.2
ARSA	Arzberg	74.04 331	I P	P	18 35 34.4 +0.7
ARSA	Arzberg	74.04 331	P	P	18 35 34.4 +0.7
ARSA	Arzberg	74.04 331	eP	pP	18 37 21.8 -3.3
ARSA	Arzberg	74.04 331	P	P	18 35 34.6 +0.9
MDH	Madha	74.06 291	P	P	18 35 33.2 -0.9
MDH	Madha	74.06 291	P	P	18 35 33.2 -0.9
WTF5	Witchita Falls	74.06 55	I Amb	I Amb	18 35 35.0
ALPN	Alpine	74.07 61	I Amb	I Amb	18 35 36.2
N47A	Urbana	74.07 42	I Amb	I Amb	18 35 34.0
MASF	Masafi	74.08 291	P	P	18 35 34.2 -0.1
MSFE	Esma-Masafi	74.09 291	I P	P	18 35 33.9 -0.4
BIOA	Bad Ischl, Aus	74.19 333	I P	P	18 35 35.0 +0.5
FITZ	Fitzroy Crossi	74.22 207	P	P	18 35 35.8 +0.9
HHAR	Hobbs	74.23 50	I Amb	I Amb	18 35 35.1 +1.2
UMQ	Umm Al-Quwin	74.24 291	I P	P	18 35 36.0 +0.9
UMQ	Umm Al-Quwin	74.24 291	P	P	18 35 35.7 +0.6
WLF	Walferdange	74.26 338	dP	P	18 35 35.0 +0.2
MDVR	Moldovita	74.28 326	P	P	18 35 35.0 -0.1
PUNG					

Table with columns: Station Name, Frequency, Mode, and other technical details. Includes stations like ECH, ARQ, SLE, DRE, etc.

Table with columns: Station Name, Frequency, Mode, and other technical details. Includes stations like NATX, N58A, ULWR, AS15, etc.

Table with columns: Station Name, Frequency, Mode, and other technical details. Includes stations like HRFI, RAYN, ARAY, etc.



8d 21h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like ILAR, BCAR, YBH, etc.

SOME 08 20:11:07.0, 39.60N, 74.05E, h5km
IDC 08 20:11:07.1, 1.2, 39.62N, 74.12E, h0km, mb3.6/5,
mbmp3.4/10, ML2.6/4, MS3.5/4, Error ellipse:
s-maj=22.7km s-min=16.2km az=107.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like SFK, SALK, OHH, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like SGDS, MTBS, MTBS, etc.

SGS 08 20:39:04.8, 26.83N, 35.01E, h12km, M12.2
HLW 08 20:39:06.0, 26.71N, 34.86E, h30km, 5km, M12.6
ISC 08 20:39:00.7, 1.7, 26.72N, 0.03, 34.91E, h19km, 4km,
n24, c080/30, Red Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like MWLHS, HHRG, etc.

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Table with columns: BRNS, Bernies, 2.94, 194, P, Pb, 2039, 51.0, -1.6, and various station identifiers like NEIC, RSPR, etc.

KRNET 08 21:12:08.4, 0.1, 40.83N, 76.78E, h15km, mb3.3
SOME 08 21:12:08.6, 40.77N, 76.83E, h15km
NINC 08 21:12:02.1, 1.7, 40.84N, 77.04E, h0km, mb3.7, mpv3.4

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like NRN, TARG, KDJ, etc.







Table with columns: Station Name, Time, Azimuth, Elevation, and other parameters. Includes stations like Matsu-Tunnel, Holdsworth Sta, Lake Benmore, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, and other parameters. Includes stations like Papeete2, LSA Lhasa, ULN Ulaanbaatar, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, and other parameters. Includes stations like CCB, ILAR Eielson Array, ILAR Eielson Array, etc.

NNC 08 23:29.48:4.3, 39:58N x 72:84E, h0km, mb3.7, mpv3.6
Error ellipse: s-maj=24.0km s-min=14.6km az=175.0
KRNET 08 23:29:49.2:0.1, 39:46N, 73:60E, h15km, mb3.2
SOME 08 23:29:50.4, 39:78N, 72:6E, h15km, mb3.2
ISC 08 23:29:51.9, 1.9, 39:56N, 070:73:55E:0.04, h4km, 11km,
region, r186/49, 14C-28D, Tajikistan-Xinjiang border

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like SFK Sufi-Kurgan, OHH Osh, SALK Salom-Ailik, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for FUNV 08 23:31:56.8, 11.03N-60.56W, h25km, MW4.1, Presumed earthquake, and ISC 08 23:31:54.9, 2.3, 11.07N-0.08-60.6W, 0.1, h13km, m19, etc.

IDC 08 23:58:21.0, 1.3, 6.39S, 128.82E, h0km, mb3.7/3, mbmp3.6/5, ML4.4/2, Error ellipse: s-maj=112.8km s-min=20.9km az=67.0

DJA 08 23:58:34.8, 0.6, 7.5, 5.12, 9E, h230km, 16km, M4.0/9, mB4.3/3, mb3.9/5, MLV4.2/9, Mw(mB)3.5/3

ISC 08 23:58:37.6, 1.2, 7.12S, 0.08-129.8E, 0.2, h200km, n8, e221/10, mb3.4/3, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for SAUI Saumlaki, FAKI Fak Fak, FAKI Kaimana, Papua, WRA Warramunga Arr, etc.

IDC 09 00:00:19.4, 1.1, 37.82N, 26.72E, h0km, mb3.5/3, mbmp3.5/9, ML3.2/4, MS2.9/2, Error ellipse: s-maj=15.2km s-min=1.7km az=140.0

ISK 09 00:00:20.6, 37.86N, 26.73E, h8km, ML3.6/43 AFAD 09 00:00:21.0, 37.87N, 26.73E, h7km, 1km, MW3.6

THE 09 00:00:21.2, 38.12N, 2.7E, h11km, 5km, M3.2/17, MLh3.2/17

ATH 09 00:00:22.3, 37.87N, 26.70E, h24km, 3km, ML3.5/7, Latitude uncertainty: 0 km; Longitude uncertainty: 1 km

GII 09 00:00:24.9, 0.0, 37.415N, 0.006-27.000E, 0.002, h0km, mws3.3, confirmed

ISC 09 00:00:21.1, 0.6, 37.89N, 0.01-26.77E, 0.02, h19km, 2km, n124, e1928/172, Dodecanese Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for DGB zmir, GMLD Gumuldur, KUSD Kusadasi-Aydin, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for CHOS Chios island, FOCM Foa, KARB zmir-Karabur, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for DKL Dikili, NAZL Nazilli-Aydin, GOMA Golmarrara-Man, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for DAT Data, TNSA Tinos, DATC Data-Mugla, etc.

IDC 09 00:00:19.4, 1.1, 37.82N, 26.72E, h0km, mb3.5/3, mbmp3.5/9, ML3.2/4, MS2.9/2, Error ellipse: s-maj=15.2km s-min=1.7km az=140.0

ISK 09 00:00:20.6, 37.86N, 26.73E, h8km, ML3.6/43 AFAD 09 00:00:21.0, 37.87N, 26.73E, h7km, 1km, MW3.6

THE 09 00:00:21.2, 38.12N, 2.7E, h11km, 5km, M3.2/17, MLh3.2/17

ATH 09 00:00:22.3, 37.87N, 26.70E, h24km, 3km, ML3.5/7, Latitude uncertainty: 0 km; Longitude uncertainty: 1 km

GII 09 00:00:24.9, 0.0, 37.415N, 0.006-27.000E, 0.002, h0km, mws3.3, confirmed

ISC 09 00:00:21.1, 0.6, 37.89N, 0.01-26.77E, 0.02, h19km, 2km, n124, e1928/172, Dodecanese Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for NAXI Naxos Island, SOMA Soma-Manisa, PRK Paraskevi, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for PTL Susurluk-Balik, SUSR Voula, Athens, VLY Voula, Athens, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for MLE Muntele Rosu, MRA Mount Meron ar, MAAI Mount Meron Ar, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for ASF Parat Flat, KRMI Elat, EIL Elat, etc.

DJA 09 00:07:33.7, 1.1, 3.9, 8.12, 16E, h10km, M3.3/6, MLV3.3/6

IDC 09 00:07:33.7, 1.2, 0.3, 58S, 126.45E, h250km, mb3.0/4, mbmp3.7/6, Error ellipse: s-maj=110.9km s-min=34.7km az=55.0

ISC 09 00:07:34.8, 0.9, 3.33S, 0.10-126.5E, 0.1, h50km, n8, e260/9, mb3.7/4, Buru

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for NLAI Namlea, SANI Sanana, FITZ Fitzroy Crossi, etc.

CATAC 09 00:10:29.2, 0.5, 12.1N, 2.8W, h7km, 2km, M3.5/18, MLV3.5/18, Error ellipse: s-maj=5.9km s-min=2.5km az=33.9, confirmed

SNET 09 00:10:33.6, 2.4, 12.59N, 89.04W, h10km, ML3.3, Presumed earthquake

GCG 09 00:10:42.5, 0.7, 13.05N, 89.44W, h25km, 93km, G3, Presumed earthquake

ISC 09 00:10:29.2, 0.5, 12.36N, 0.07-89.07W, 0.05, h10km, 14km, n54, e059/73, 2C-3D, Off coast of central America

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for ALJI Alcaldia de J, JUCU Jucuarin, TECO Alcaldia de Te, etc.







Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like ASAR, FITZ, SBA, VVDA, etc.

RSNC 09 02:39:18.0±0.0, 7°N, 1°7'3W, h124km, 1km, M3.1, mb4.4, mb3.0, ML2.8, Mw(mb)3.5

ISC 09 02:39:19.2±7.5, 6.42N, 0.76E, h103km, 76km, mbtmp4.1, ML2.0, Error ellipse: s-maj=99.9km

ISC 09 02:39:16.5±1.0, 6.90N, 0.03, 73.29W, 0.04, h127km, 5km, m3.6, 1±20.0, Northern Colombia

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like VMM09, BARC, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like ORTC, LCCB, etc.

IDC 09 02:57:18.3±0.4, 6.06S, 122.56E, h0km, mb5.0/26, mbtmp5.0/28, ML4.8/22, MS4.4/81, Error ellipse: s-maj=15.9km, s-min=9.0km, az=72.0

GFZ 09 02:57:21.0±0.1, 6.5S, 122.3E, h10km, M5.2/35, mb5.3/35

GFZ 09 02:57:20.7±0.6, 6.05S, 122.66E, h13km, Mw5.2/88, Moment Tensor Solution. Moment tensor: Scale 10^16Nm; M=8.71, M=9.39, M=9.11; M=1.06, M=2.54, M=0.97; Fault plane solution: M=9.38437x10^16 NP1; P=199.75070°, 84.99544°, 197.61764°. NP2=8.22950°, 84.58280°, 181.33078°. Principal axes: T 8.8718, P1g3.1493, Azm161.5472; N 0.9525, P1g5.7414; Azm14.7358; P -0.8243, P1g3.7234, Azm284.3368; N=15.9km, Mw5.4/20. Error ellipse: s-maj=10.7km, s-min=8.48km, az=78.0

NEIC 09 02:57:20.8±0.05S, 122.59E, h10km, GCMT 09 02:57:21.8±0.1, 5.87S, 122.57E, 0.01, h12km, Mw5.3/49, Moment Tensor Solution. s108, c178; s149, c285; Duration: 1s1. Moment tensor: Scale 10^17 Nm; M=0.91±0.01, M=0.0±0.01, M=0.9±0.01; M=0.5±0.03, M=0.2±0.01, M=0.4±0.03. Best double couple: M=1.2010x10^17, NP1=354.0000°, 332.0000°, 1.54.0000°. NP2=215.0000°, 365.0000°, 1.10.0000°. Principal axes: T 1.2490, P1g64.0000, Azm160.0000; N -0.0960, P1g18.0000, Azm26.0000; P -1.1530, P1g17.0000, Azm290.0000. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

MOS 09 02:57:21.3±1.2, 5.92S, 122.62E, h26km, mb5.4/60, MS4.5/7. Error ellipse: s-maj=10.6km, s-min=5.2km, az=118.3

DJA 09 02:57:21.8±0.2, 6.5S, 1°12'3E, h16km, 2km, M5.4/58, mb5.9/15, mb5.4/58, MLV5.6/52, Mw5.4/209, Mwtmp5.5/116, MwMw5.5/27, Mw5.5/77

NEIC 09 02:57:28.6±0.5S, 122.58E, h12km, Moment Tensor Solution. Duration: 2s4. Moment tensor: Scale 10^17Nm; M=0.74, M=0.09, M=0.83; M=0.44, M=0.14, M=1.03; P=329.73000°, 823.08000°, 1.46.01000°. NP2: 196.11000°, 873.62000°, 1.06.49000°. Principal axes: T 1.4075, P1g58.0000, Azm128.0000; N -0.0668, P1g16.0000, Azm11.0000; P -1.3407, P1g27.0000, Azm273.0000

ISC 09 02:57:21.5±0.5, 6.02S, 122.64E, 0.03, h18km, 1km, h18km, P=179, 1±28/774, mb5.3/187, MS4.6/80, 26C-4D, Flores Sea

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like BBSI, KDI, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like MSAI, MASOI, etc.

9d 2h

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like CGJI Cibinong, GENI Genyem, WRA Warramunga Arr, etc.

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Table with columns for station code, name, frequency, power, and other technical details. Includes stations like MUN Mundaring, KCSI Koutance, AUKUL Kulin High Sch, etc.

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Table with columns for station code, name, frequency, power, and other technical details. Includes stations like AUDAR Daramalan Coll, CNB Canberra Magne, PZH PanZhiHua, etc.





Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for Guaratinga, Sao Roque de M, Bebedouro, Diamantina, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for Isla Mocha, comp-N, 135µm, 0.3s, comp-E, 2µm, 0.4s, Punta Hualpin, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for Zakros, Siteia, Karpathos, Agios Nikolaos, Neapolis, Anoyia, Sivas, etc.

UCR 09 02:58:03.0±0.7, 8°9'N-84°21'W, h33km, 1km, MW3.6, Presumed earthquake

UPA 09 02:58:06.8±1.0, 8°8'1"N-83°9'6"W, h13km, 15km, MW2.9, Presumed earthquake

ISC 09 02:58:03.0±0.7, 8°9'N-84°17'W, 0.06, h29km, 11km, n61, c0578/74, Off coast of Costa Rica

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for Quepos, Pejibaye, Palmir Norte, San Marcos de, Pirras, San Jermin, La Lucha 2, etc.

UCR 09 02:58:03.0±0.7, 8°9'N-84°21'W, h33km, 1km, MW3.6, Presumed earthquake

UPA 09 02:58:06.8±1.0, 8°8'1"N-83°9'6"W, h13km, 15km, MW2.9, Presumed earthquake

ISC 09 02:58:03.0±0.7, 8°9'N-84°17'W, 0.06, h29km, 11km, n61, c0578/74, Off coast of Costa Rica

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for Curarrehue, Curarrehue, Curarrehue, San Fabin de, Hualpene, etc.

UCR 09 04:02:15.4±0.3, 10°N-2°8'4"W, h5km, 2km, M2.6/7, MLV2.6/7, Error ellipse: s-maj=3.7km s-min=2.8km az=43.1, confirmed

UCR 09 04:02:15.3±0.8, 10°23'N-84°41'W, h10km, 1km, MW3.5, Presumed earthquake

ISC 09 04:02:15.8±0.8, 10°23'N-84°41'W, 0.02, h17km, 4km, n48, c0575/68, Costa Rica

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for Iera Moni Meta, Iera Moni Meta, Iera Moni Meta, Apeiranthos, etc.

TRN 09 03:01:22.1, 13°32'N-62°72'W, h3km, MD3.6, West of Saint Lucia, Windward Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for Saint Lucia, Moule a Chique, Bigot, Salisbury, Broadband at M, etc.

comp-Z, 44nm, 1.2s, POC Station P

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for Orcadas, Santa Maria do B, Belgrano 2, etc.

UCR 09 03:37:44.9±0.3, 34°34'N-126°26'52"E, h0km, MW3.1, confirmed

ISC 09 03:37:44.9, 35°01'N-126°26'52"E, h5km, ML2.9/17, confirmed

ATH 09 03:37:44.7, 34°91'N-126°26'52"E, h6km, ML3.3, Latitude uncertainty: 3 km; Longitude uncertainty: 1 km

THE 09 03:37:48.4, 35°N-127°E, h0km, 7km, M3.1/9, MLh3.1/9

ISC 09 03:37:44.5±1.3, 34°34'N-126°26'52"E, h7km, 11km, n54, c1516/70, Crete

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for Lajas Array, Lajas Ar. Si, etc.

SJA 09 03:15:22.0±0.7, 38°27'S-75°44'W, h19km, 10km, ML4.1, MW4.0

NEIC 09 03:15:37.1±1.6, 38°10'S-0°05'73"W, 0.1, h19km, 6km, mb4.4/8, Mw4.2(GUC), Error ellipse: s-maj=11.3km s-min=6.6km az=89.0

GUC 09 03:15:37.0±0.7, 38°14'S-74°02'W, h26km, 2km, ML4.1, Presumed earthquake

ISC 09 03:15:36.3±1.1, 38°15'S-0°03'74"O, h13km, 21km, n82, c217/99, mb4.4/3, 7C-2D, Off coast of central Chile

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for Saint Lucia, Moule a Chique, Bigot, Salisbury, Broadband at M, etc.

comp-Z, 17nm, 1.3s

ORCD Orcadas

SMTB Santa Maria do B

BELA Belgrano 2

GSPA GSPSA

TXAR Lajas Array

comp-Z, 17nm, 1.3s

ORCD Orcadas

SMTB Santa Maria do B

BELA Belgrano 2

GSPA GSPSA

TXAR Lajas Array





Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DLMT Dillon, BO4 La Punta, NVAR Mina Array Bea, PAHR Pah Rah Range, NEW Newport, H10N1 ASCENSION HYDR63.81 114 T, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, AKASO Malin Array Be, NOU 09 04:22:55.7, 17.17S:168.42E, h4km, MLV4.4/16, Vanuatu Islands, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TRN 09 04:30:22.6, 17.85N:62.53W, h17km, MD3.7, East of St. Barthelmy, Leeward Islands, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SKI Saint Kitts, SEUS St. Eustatius, SMRT St. Maarten, SABA Saba, ANWB Willy Bob, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PINNC Pines Island, QUENC Ouen Island, DZM Mont Dzumam, ONTNC Ouen Toro, etc.





Table with columns: Boom, Boomskoye usch, Time, Az, El, P, S, Res, Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CHUMS Chumysh, TKM2 Tokmak 2, USP Osenovka, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CHUU Union Juarez, CHUU CHUU, THIG THIG, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like JUD3 Juan Diaz 3, JTS Las Juntas de, JTS Las Juntas de, etc.

IDC 09 06:27:53.0, 0.9, 15°13'N, 91°53'W, h145km, 6km, mb3.7/15, mbmp4, 1/18, Error ellipse: s-maj=22.4km s-min=10.8km az=56.0

CATAC 09 06:27:54.4, 0.6, 15°15'N, 91°14'W, 1.0, h195km, 7km, M4.2/20, mb4.3/6, mb4.2/3, ML4.2/20, Mw(mb)3.2/3, Error ellipse: s-maj=40.0km s-min=8.7km az=32.2, confirmed

ISC 09 06:27:49.2, 0.5, 14°27'N, 0.04, 91°33'W, 0.04, h116km, 4km, n190, e177/229, mb4.2/36, 3C-17D, Guatemala

SNET 09 06:27:49.8, 1.7, 14°35'N, 91°8'W, h115km, ML4.8, Presumed earthquake

GCG 09 06:27:50.8, 2.2, 14°35'N, 91°8'W, h99km, 12km, MD5.0, ML4.8, Presumed earthquake

MEX 09 06:27:50.3, 0.4, 14°86'N, 91°9'W, h118km, 5km, MD4.6, Presumed earthquake

NEIC 09 06:27:50.4, 1.0, 14°91'N, 0.05, 91°92'W, 0.07, h109km, 4km, mb4.5/32, Md4.6/17(MEX), Error ellipse: s-maj=10.7km s-min=6.3km az=68.0

GFZ 09 06:27:52.3, 0.3, 15°15'N, 91°2'W, 1.1, h139km, M4.3/20, mb4.3/20, confirmed

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like BOAB BOAC BROADBAND, TLG Tlapa, SIU Universidad Ur, CARN Rivas



VAO 09:08:55.49.0.4.27.92S:66.50W, h152km, mb4.9,  
Presumed earthquake  
SJA 09:08:55.0.0.6.27.90S:66.42W, h207km, 4km, M/L4.8,  
MW4.5  
MOS 09:08:55.51.1.1.3.27.86S:66.48W, h171km, mb4.7/13,  
Error ellipse: s-maj=13.0km s-min=8.4km az=84.63  
NEIC 09:08:55.51.5.1.4.27.90S:02.66.4W:0.1, h163km, 8km,  
mb5.0/43, Error ellipse: s-maj=15.6km s-min=1.3km  
az=78.0

GFZ 09:08:55.51.9.0.1.28 S:2x6 W:1, h168km, M5.1/52,  
mb4.8/52, confirmed  
IDC 09:08:55.52.1.0.6.27.89S:66.39W, h166km, 5km, mb4.2/16,  
mb(m)4.7/21, Error ellipse: s-maj=13.6km s-min=0.8km  
az=98.0

CATAC 09:08:55.54.9.1.2.27 S:3x7 W:1.1, h94km, 14km, M5.4/4,  
mb5.0/4, mb5.8/4, ML2v5.6/4, Mw(m)5.3/4, Error ellipse:  
s-maj=23.1km s-min=6.0km az=92.0, confirmed  
ISC 09:08:55.52.3.0.4.27.84S:03.66.50W:0.04, h174km, 3km,  
h174km:pp-P, n351, e157/407, mb4.7/79, 8C-7D,

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Time, Res. Lists various stations like CYA Choya, TINO Tinogasta, AHML Horco Molle, etc.

Table with columns: ID, Station Name, Az, Az', Phase ID, Op, Time, Res. Lists various stations like PB06 IPOC Station P, PB05 IPOC Station P, VA03 San Esteban, etc.

Table with columns: ID, Station Name, Az, Az', Phase ID, Op, Time, Res. Lists various stations like PIAT Ana Tenorio, CASC Dorado de Casc, NBVP Porto Novo-B, etc.









9d 12h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like HUMP, PDRP, Patillas Dam, Patillas San Antonio, Patillas InterUniversit, InterUniversit, San Juan, etc.

AFAD 09 11:54:03.8, 38°24'N, 44°53'E, h7km, 7km, ML2.2
TEH 09 11:54:05.8, 38°47'N, 44°31'E, h10km, ML2.7, Presumed earthquake
AZER 09 11:54:06.0, 38°22'N, 44°43'E, h24km, ml2.2
ISC 09 11:54:06.2, 1.2, 38.32N, 0.03, 44.31E, 0.02, h6km, 1.1km, n15, <2512/28, Turkey-Iran border region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like OZAP, TVAN, VMUR, HAKT, ISHB, IMRD, NAX, GEM, PERV, SBZ, ORD, IAZR, IGD, KOTA, GDB, YRD.

OSPL 09 12:08:13.7, 0.5, 20°17'N, 70°88'W, h0km, 2km, ML1.8, Presumed earthquake
SDD 09 12:08:19.2, 2.3, 19°93'N, 70°98'W, h18km, 10km, MD2.6, ML2.0, MW2.3, Presumed earthquake
ISC 09 12:08:11.1, 3.5, 20.3N, 0.2, 70.88W, 0.08, h15km, 11km, n8, <0538/12, Dominican Republic region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like LUDR, LOPP1, REDR, GRK, SDDR, LONE3, HATOM.

ISC 09 12:10:25.4, 2.0, 15°28'S, 173°19'W, h0km, mb3.5/5, mbtmp3.5/5, MS2.8/1, Error ellipse: s-maj=126.5km s-min=26.3km az=150.0
ISC 09 12:10:30.0, 1.9, 15°25'S, 0.7, 173°20'W, 0.4, h29km, n13, <0971/6, mb3.5/5, Tonga Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like RAR, H11S2, H11S3, H11S1, H11N3.

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Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like H11N1, H11N2, WRA, ASAR, TXAR, PDAR, ILAR, BRTR.

ISC 09 12:36:00.7, 1.1, 33°66'N, 22°76'E, h0km, mb3.7/8, mbtmp3.7/13, ML3.6/4, MS3.3/2, Error ellipse: s-maj=22.9km s-min=15.1km az=9.0
NEIC 09 12:36:01.7, 2.2, 33°52'N, 0°08'22'W, 0.09, h10km, 2km, mb4.0/0, Error ellipse: s-maj=14.4km s-min=12.8km
GII 09 12:36:11.5, 0.0, 33°47'N, 0°00'23'W, 783E, 0°00'1, h0km, Mw=3.9, confirmed

ISC 09 12:36:01.3, 0.8, 33°52'N, 0°09'23'W, 0°06, h10km, n63, <273/76, mb4.0/10, Central Mediterranean Sea

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like ANOVA, IDI, ITM, KEK, CEL, TIP, RAFF, CSS, CUC, ACER, CY604, KZIT, OFRI, OFFR, SLTI, AMAZ, SALP, ARIL, MMA0B, MMAI, RMNI, MMLI, ROIL, RCIL, YITV, GEM, QJRN, ALMO, MSBI, PRNI, IDAN, ZFRI, LISJ, HRFI, GHJA, GHJ, EIL, AQB, ASF, AKASG, ESDC, HFS, TORD, AB31, ARTI, ARCES, KK31, KK31, KKR, BORK, KURB, KURK, MKAR, MKAR, ZALV, ZALV, SONM.

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Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like SONM, SCHO, ASAR, TYRN, GIANN, THL, KLOK, TRKA, SOFAD, LIT, KZAN, KIPRO, VOL2, AGG, METSOV, TETR, XOR, XOR, LAM2, PRMD, EVR, NASA, NEOKH, NEOKH, PENTALOF, AXAR, AXAR, JAN, JAN, THESSALONIKI, HORTIATIS, HORTIATIS, ARTA, AMP, PLG, PAIG, ANO, ANO, GRIVA, GRIVA, ATALANTI, ATALANTI, PARAVOLA, PARAVOLA, PVO, PVO, LOKRIS, LOKRIS, SERG, SERG, SERG, SERG, EFPALIO, EFPALIO.









Table with columns: CLL, comp, AMS, AMS, 14 43 00.0, etc. Lists various seismic stations and their parameters.

IDD 09 15:03:58.4+1.8, 2.56N, 95.77E, h0km, mb3.7/8, mbtmp3.7/9, ML3.9/1, MS3.5/1, Error ellipse: s-maj=74.9km s-min=19.7km az=58.0

DJA 09 15:04:00.0+0.7, 2.1N, 96.6E, h10km, M4.3/16, mb4.6/1, ML4.4/16

ISC 09 15:04:01.8+1.1, 2.52N, 0.08, 95.70E, 0.10, h25km, n29, -0.67/1.7, mb3.8/8, Off west coast of northern Sumatera

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, etc. Lists seismic stations in the Indonesian region.

Table with columns: H04N3, CROZET ISLANDS 62.06 213, T, T, 16 21 44.2, etc. Lists stations in the Crozet Islands region.

IDD 09 15:10:33.6+4.5, 52.02N, 175.15E, h33km, mb3.8/13, mbtmp4.1/15, ML3.4/2, MS3.2/10, Error ellipse: s-maj=25.9km s-min=16.6km az=167.0

AEIC 09 15:10:35.2+3.9, 52.52N, 0.1+1.175, 226E, 0'08, h63km, 2km, Error ellipse: s-maj=0.0km s-min=0.0km az=105.0

NEIC 09 15:10:35.3+1.8, 52.25N, 0'09, 175.18E, 0.04, h42km, 9km, mb4.1/39, ML3.8/10, ML3.5(AEIC), Error ellipse: s-maj=13.2km s-min=3.3km az=187.0

ISC 09 15:10:33.9+0.6, 52.13N, 0.09, 175.13E, 0.05, h35km, n86, +136/76, mb4.2/20, MS3.2/9, Rat Islands

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, etc. Lists seismic stations in the Indian Ocean region.

Table with columns: comp, Z, 4.5nm, 0.5s, baz=47, slow=7.4, SNR=20, etc. Lists stations in the Spitsbergen region.

IDD 09 15:26:22.1+0.8, 27.81N, 56.43E, h0km, mb4.4/27, mbtmp4.3/33, ML4.0/6, MS3.4/8, Error ellipse: s-maj=18.9km s-min=12.4km az=5.0

MOS 09 15:26:22.5+1.1, 27.82N, 56.38E, h15km, mb4.8/17, Error ellipse: s-maj=8.6km s-min=5.1km az=107.5

NEIC 09 15:26:24.5+2.0, 27.98N, 0.08, 56.3E, 0.1, h10km, 1km, mb4.4/27, Error ellipse: s-maj=16.1km s-min=12.5km az=17.0

GFZ 09 15:26:24.8+0.2, 28.28N, 4.56E, h10km, M4.7/37, mb4.5/37

DSN 09 15:26:25.3+1.6, 28.13N, 56.48E, h30km, ML4.0/16, Error ellipse: s-maj=20.8km s-min=12.5km az=65.0

TEH 09 15:26:26.1, 27.98N, 56.41E, h9km, 41km, ML4.2, Presumed earthquake

THR 09 15:26:27.0, 27.85N, 56.31E, h15km, ML4.2, Presumed earthquake

OMAN 09 15:26:30.6+0.8, 27.52N, 56.54E, h10km, mb4.4/5, mb3.9/24, MS3.0/3, Error ellipse: s-maj=6.2km s-min=3.7km az=17.0

ISC 09 15:26:26.8+0.3, 27.90N, 0.03, 56.41E, 0.03, h28km, n338, +1866/354, mb4.5/90, MS3.2/9, 11C-3D, Southern Iran

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, etc. Lists seismic stations in the Indian Ocean and Southern Iran region.

DOBDO	Dorbid, Yazd	4.40 339	Pn	Pn	15 27 33.9 +2.0
ARO	Araqi	4.54 179	P	Sn	15 27 34.9 +1.1
BIDO	Bidbid SNR=15	4.63 160	P	Sn	15 27 34.8 -0.1
BIDO	Basiran	4.69 30	ePn	Sn	15 28 25.7 -1.9
BSRN	Basiran	4.69 30	ePn	IAML	15 27 38.0 +2.0
BSRN	Basiran	4.69 30	Pn	Pn	15 27 37.9 +2.0
MZWR	Madinat Zayed	4.71 209	P	Sn	15 27 38.2 +2.3
MZWR	Madinat Zayed	4.71 209	P	Sn	15 28 30.5 +0.9
NHDN	Nehbandan	4.71 41	Pn	Pn	15 27 38.6 +2.4
YZKH	Yazd	4.75 341	ePn	IAML	15 27 38.8 +2.2
YZKH	Yazd	4.75 341	ePn	IAML	15 29 14.3
NGCH	Negor - Chabah	4.93 120	S	Sn	15 28 34.6 -0.6
SMDO	Samad	5.04 163	P	Sn	15 27 41.5 +0.8
SMDO	Ruwais	5.04 220	S	Sn	15 28 37.4 -0.7
GHWR	Ruwais	5.04 220	S	Pn	15 27 44.5 +3.9
BSY	Bisyay	5.18 172	P	Sn	15 28 41.5 +3.6
BSY	Bisyay	5.18 172	P	Sn	15 27 44.6 +2.1
KLNJ	Kolanjah	5.22 308	ePn	Pn	15 27 45.7 +2.4
KLNJ	Kolanjah	5.22 308	ePn	IAML	15 28 52.9
KLNJ	Kolanjah	5.22 308	Pn	Pn	15 27 45.7 +2.4
IRAM	Ramesheh	5.24 319	Pn	Pn	15 27 45.8 +2.4
UMZA	Um Al Zomool	5.28 193	P	Sn	15 27 45.7 +1.8
UMZA	Um Al Zomool	5.28 193	P	Sn	15 28 42.9 -1.0
SRVN	Saravan	5.34 94	ePn	Pn	15 27 47.5 +2.7
SRVN	Saravan	5.34 94	ePn	IAML	15 29 34.9
SRVN	Saravan	5.34 94	Pn	Pn	15 27 47.6 +2.8
MZR	Mazra	5.58 209	P	Sn	15 28 50.4 -0.4
SKAB	Bahrain	5.58 251	P	Pn	15 28 31.7 +3.8
JMDO	Jabal Madar	5.71 164	P	Pn	15 27 51.2 +1.3
JMDO	Wadi Bani Khal	5.75 156	S	Sn	15 28 52.2 -2.4
WBK	Tabas	5.77 6	ePn	Sn	15 27 50.9 +0.4
TABS	Tabas	5.77 6	ePn	Sn	15 28 53.9 -1.7
TABS	Tabas	5.77 6	ePn	IAML	15 27 53.8 +3.2
JLN	Jalan Bani Buh	6.34 154	P	Pn	15 29 50.7
JLN	Jalan Bani Buh	6.34 154	P	Pn	15 27 58.5 0.0
SHRT	Shahrakht	6.63 29	ePn	Pn	15 28 05.8 +3.3
SHRT	Shahrakht	6.63 29	ePn	IAML	15 30 23.8
MHTO	MHTO	7.03 168	P	Pn	15 28 09.2 +1.3
MHTO	MHTO	7.03 168	P	Pn	15 29 26.3 -0.5
GTMR	Gotvand	7.79 308	ePn	Sn	15 28 18.9 +0.6
GHVR	Ghom	7.89 328	ePn	IAML	15 28 22.3 +2.6
GHVR	Ghom	7.89 328	ePn	IAML	15 29 14.4
KHMZ	Khomeyn	8.04 318	ePn	Pn	15 28 23.1 +1.2
HRA	Herat	8.18 36	Pn	Pn	15 28 23.9 0.0
DAMV	Damavand	8.58 335	ePn	Pn	15 28 31.7 +2.3
ASAO	Ashtian	8.59 322	ePn	Pn	15 28 31.5 +2.0
CHTH	Charan	9.16 332	ePn	Pn	15 28 39.9 +2.6
DOK	Doka	9.47 193	P	Pn	15 28 41.7 +0.3
SHAO	Shalim	9.85 184	iP	Pn	15 28 46.9 +0.1
SHAO	Shalim	9.85 184	iP	Pn	15 28 47.1 +0.4
RBK	Rabkut	10.54 192	P	Pn	15 28 55.1 -1.0
SNGE	Sanandaj	10.54 315	ePn	Pn	15 28 56.1 -0.2
RAYN	Ar Rayn	10.75 249	iP	Pn	15 28 57.8 -1.3
RAYN	Ar Rayn	10.75 249	P	Pn	15 28 57.5 -1.5
RAYN	Ar Rayn	10.75 249	P	Pn	15 28 57.5 -1.5
RAYN	Ar Rayn	10.75 249	P	Pn	15 28 57.8 -1.3
SRSLS	SARDASHT	12.46 314	ePn	Pn	15 29 22.4 0.0
HAKT	HAKKARI	12.38 315	P	Pn	15 29 48.0 -0.7
GEVA	Gevas	15.25 316	Pn	Pn	15 29 56.5 -3.8
GNI	Gani	15.56 325	Pn	Pn	15 30 06.4 +1.9
GNI	Gani	15.56 325	Pn	LR	15 36 38.4
GNI	Garni	15.56 325	ePn	AML	15 30 02.0 -2.4
GNI	Nilore	15.57 64	P	Pn	15 30 05.6 +1.2
BTK	Batken	17.00 41	P	Pn	15 30 22.4 -0.3
DRK	Karamyk	17.22 44	P	Pn	15 30 26.2 +0.6
DRK	Karamyk	17.22 44	P	Pn	15 30 26.2 +0.6
DRK	Karamyk	17.22 44	P	IAMB	15 30 28.8
DRK	Karamyk	17.22 44	P	Pn	15 30 26.5 -0.5
ASF	Jabal al Asfar	17.42 289	Pn	Pn	15 30 27.4 -0.4
ASF	Jabal al Asfar	17.42 289	Pn	Sn	15 33 33.3 -7.8
ASF	Jabal al Asfar	17.42 289	Pn	AML	15 30 31.1 +2.1
ASF	Jabal al Asfar	17.42 289	Pn	AML	15 30 28.6 -1.5
EPOS	Posof	17.60 324	P	Pn	15 30 37.1 -3.0
GHAJ	Ghor Haditha	18.43 286	P	Pn	15 30 40.3 +0.2
GHAJ	Ghor Haditha	18.43 286	P	Pn	15 30 37.1 -3.0
UJAP	Al Uja	18.59 288	P	Pn	15 30 42.5 +0.3
GEM	Giv'at Ha'Em	18.62 292	P	Pn	15 30 41.5 -0.7
NCK	Nalchik	18.68 330	ePn	Pn	15 30 44.1 +0.8
NCK	Nalchik	18.68 330	ePn	Pn	15 30 44.1 +0.8
KELT	Kelkit	18.71 315	P	P	15 30 43.3 0.0
KEMA	Kemaliye	18.71 312	P	P	15 30 43.2 0.0
MMCS	Mount Meron ar	18.79 291	P	Pn	15 30 43.6 -0.6
MMAI	Mount Meron Ar	18.80 291	P	Pn	15 30 45.2 +0.3
MMAI	Mount Meron Ar	18.80 291	P	Pn	15 30 45.2 +0.3
MMAI	Arkit	18.81 38	P	AML	15 30 44.8 -0.2
HRFI	Mount Harif	18.82 282	P	Pn	15 30 48.6 +3.6
HRFI	Mount Harif	18.82 282	P	P	15 30 44.1 -0.3
PRNI	Paran	18.86 283	P	Pn	15 30 48.6 +3.1
PRNI	Paran	18.86 283	P	Pn	15 30 45.7 +0.2
EIL	Elat	18.89 280	P	Pn	15 30 45.8 0.0
EIL	Elat	18.89 280	P	AML	15 30 48.6 +2.8
EIL	Elat	18.89 280	P	P	15 30 45.3 +0.2
NEUR	Neytrino	18.91 328	ePn	Pn	15 30 45.9 +0.4
NEUR	Neytrino	18.91 328	ePn	Pn	15 30 45.9 +0.4
KKAR	Karatay Array	18.99 33	P	P	15 30 45.5 -0.6
KKAR	Karatay Array	18.99 33	P	P	15 30 45.5 -0.6
AMAZ	Amatziya	19.01 286	P	Pn	15 30 47.2 -0.1
KRMI	Paran Flat	19.09 282	P	Pn	15 30 48.0 +0.7
KBZ	Khabaz	19.18 329	P	Pn	15 30 50.3 +1.1
KBZ	Khabaz	19.18 329	ePn	AML	15 30 47.4 -0.8
SHAI	Shidzhatmaz	19.30 329	ePn	P	15 30 49.6 -0.2
ANDI	Andirin	19.41 305	P	Pn	15 30 51.6 +0.7

KVAR	Kislovodsk Arr	19.45 329	P	Pn	15 30 52.7 +0.1
KIV	Kislovodsk	19.45 329	eP	Pn	15 30 52.6 0.0
KIV	Kislovodsk	19.45 329	eP	Pn	15 30 51.9 +0.6
KIV	Kislovodsk	19.45 329	P	P	15 30 51.4 +0.1
KSH2	Kashi	19.48 50	P	P	15 30 50.0 -1.7
KSH2	Kashi	19.48 50	sP	sP	15 31 04.2 +0.8
BNN	Bunyan	20.31 308	P	IAMB	15 30 59.1 -1.5
BNN	Bunyan	20.31 308	P	IAMB	15 31 04.1
ATD	Arta Tunnel	20.66 221	LR	LR	15 40 44.4
AAK	Ala-Archa	20.78 40	eP	P	15 31 06.5 +0.7
AAK	Ala-Archa	20.78 40	eP	P	15 31 06.8 +1.0
AAK	Ala-Archa	20.78 40	eP	P	15 31 04.9 -0.9
CSS	Mathiasia	20.89 295	P	P	15 31 06.4 -0.5
LABN	Labinsk	20.89 327	eP	S	15 31 08.3 +1.5
LABN	Labinsk	20.89 327	eP	S	15 34 52.7 -5.6
ASAI	AK-SAY(Kyrgyz)	21.01 47	P	P	15 31 09.5 -1.0
AB31	Akbulak array	21.50 6	P	IAMB	15 31 12.2 -1.1
AB31	Akbulak array	21.50 6	P	IAMB	15 31 16.9
AB31	Akbulak array	21.50 6	P	P	15 31 13.4 +0.1
BR104	Keskin Array S	22.22 308	P	P	15 31 22.2 +0.9
BR131	Keskin Array S	22.23 308	P	P	15 31 19.8 -1.6
BR131	Keskin Array S	22.23 308	P	P	15 31 19.8 -1.6
BR131	Keskin Array S	22.23 308	P	P	15 31 25.2
BRTR	Keskin Array B	22.23 308	P	P	15 31 22.1 +0.7
BRTR	Keskin Array B	22.23 308	P	LR	15 41 43.6
BRTR	Keskin Array B	22.23 308	eP	P	15 31 22.9 +1.5
BRTR	Keskin Array B	22.23 308	P	P	15 31 19.6 -1.8
BR105	Keskin Array S	22.24 308	P	P	15 31 22.4 +0.9
BR106	Keskin Array S	22.25 308	P	P	15 31 22.0 +0.4
TARG	Taragay, Kyrgy	22.26 46	P	P	15 31 22.6 +0.6
KKUL	Konyk-Kulu	22.51 306	P	P	15 31 23.9 -0.5
AKTO	Aktuybinsk	22.54 3	P	P	15 31 24.5 +0.1
ANN	Anapa	22.67 323	eP	P	15 31 26.4 +0.5
ANN	Anapa	22.67 323	eP	P	15 31 29.0 +0.3
WUS	Wushu	22.92 49	P	P	15 31 41.5 0.0
MDUB	Mudurnu	24.24 308	P	IAMB	15 31 43.8
BORA	Borovoye	24.55 306	P	IAMB	15 31 41.8 -2.5
BORA	Borovoye	24.55 306	P	IAMB	15 31 47.0
BELG	Belogomoye	25.33 347	iP	P	15 31 50.5 -0.6
MANT	Manisa	25.50 302	P	IAMB	15 31 49.5 -3.5
AYDN	Tasoluk	25.80 299	P	P	15 32 05.4
KARP	Karpathos	25.95 294	P	P	15 31 57.9 +0.9
EVAN	Everset	26.84 83	P	P	15 32 06.0 +0.2
BORK	Borovoye	27.16 19c	iP	P	15 32 07.6 0.0
BORK	Borovoye	27.16 19	P	P	15 32 06.3 -1.4
BORK	Borovoye	27.16 19	P	IAMB	15 32 08.4
BVAR	Borovoye Array	27.16 19	P	P	15 32 07.7 +0.1
MAKZ	Makanchi	27.54 40	P	P	15 32 09.8 -1.4
MAKZ	Makanchi	27.54 40	P	P	15 32 09.8 -1.4
MAKZ	Makanchi	27.54 40	P	P	15 32 09.8 -1.4
MAKZ	Makanchi	27.54 40	P	P	15 32 10.7 -0.5
MK31	Makanchi Array	27.71 40	eP	P	15 32 13.0 +0.3
MKAR	Makanchi Array	27.71 40	P	P	15 32 12.7 -0.1
KURBB	Kurchatov Arra	28.23 30	P	P	15 32 17.7 +0.5
KURK	Kurchatov	28.34 30	P	P	15 32 17.3 -0.8
KURK	Kurchatov	28.34 30	P	P	15 32 17.3 -0.8
KURK	Kurchatov	28.34 30	P	IAMB	15 32 19.9
KURK	Kurchatov	28.34 30	P	P	15 32 18.0 -0.1
ARTI	Arti	28.51 2c	iP	P	15 32 19.9 +0.3
ARTI	Arti	28.51 2c	iP	P	15 32 21.3 +1.7
ARTI	Arti	28.51 2c	iP	P	15 32 07.4 -0.9
ARTI	Arti	28.51 2c	iP	P	15 32 11.5 +6.0
ARTI	Arti	28.51 2c	iP	P	15 38 29.7 +4.2
VRI	Vriencia	29.51 315	P	P	15 32 29.0 +0.3
SORM	Soroca	29.68 320	P	P	15 32 29.7 -0.4
VOIR	Voiron	30.38 314	P	P	15 32 37.0 +0.5
AK09	Malin Array Si	30.61 325	P	P	15 32 37.4 -0.9
AK07	Malin Array Si	30.61 325	P	P	15 32 37.4 -0.9
AK10	Malin Array Si	30.62 325	P	P	15 32 37.7 -0.7
ARR	Arges	30.62 313	P	P	15 32 37.8 -0.8
AK06	Malin Array Si	30.64 325	P	P	15 32 37.8 -0.8
AK08	Malin Array Si	30.64 325	P	P	15 32 37.8 -0.8
AK05	Malin Array Si	30.66 325	P	P	15 32 38.0 -0.7
AK02	Malin Array Si	30.66 325	P	P	15 32 38.2 -0.7
AKAS	Malin Array Be	30.70 325	P	P	15 32 38.9 -0.2
AKAS	Malin Array Be	30.70 325	P	P	15 32 38.9 -0.2
AKAS	Malin Array Be	30.70 325	eP	P	15 32 38.8 -0.2
AKAS	Malin Array Be	30.70 325	eP	P	15 32 38.7 -0.4
AKKB	Malin Array Si	30.70 325	iP	P	15 32 38.4 -0.7
KIEV	Kiev	30.70 325	P	P	15 32 38.4 -0.7
KIEV	Kiev	30.70 325	P	P	15 32 38.4 -0.7
KIEV	Kiev	30.70 325	P	P	15 32 38.4 -0.7
KIEV	Kiev	30.70 325	P	P	15 32 38.4 -0.7
OBNS	Obninsk	30.76 338	iP	P	15 32 39.8 +0.2
OBNS	Obninsk	30.76 338	iP	P	15 32 47.3
MOS	Moscow	30.93 339	eP	P	15 32 38.2 -2.9
KMPD	K-Podol'skiy	30.98 320	P	P	15 32 40.9 -0.7
LUBAR	Lubarsk, Ukraine	31.06 353	iP	P	15 32 40.8 -0.9
KIRV	Kirov	31.06 353	iP	P	15 32 42.3 -0.2
MI29	MI29, Kamyanyy	31.23 324	P	P	15 32 43.3 -0.5
BURAR	Bucovina Array	31.24 318	P	P	15 32 44.1 0.0
MI30	Mi30,Zelenitsa</				

9d 15h

Table with columns: Station Name, Time, Az, El, P, S, M, L, R, and other parameters. Includes stations like BFO Black Forest, FBNU Falkenberg, SENIN Lax Senin/Sane, etc.

Table with columns: Code, Station Name, Az, El, P, S, M, L, R, and other parameters. Includes stations like PRZ Przheval'sk, SATY Saty, ANVS Anan'yev, etc.

2020 OCT

Main table with columns: Station Name, Time, Az, El, P, S, M, L, R, and other parameters. Includes stations like KPKS Kokpek, KURS Kuram, KURS Kuram, etc.

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Table with columns: Station Name, Time, Az, El, P, S, M, L, R, and other parameters. Includes stations like UCH AAK, AAK Ala-Archa, AAK Ala-Archa, etc.

HEL 09 15:35:44.0, 0.3, 67.56N:34.30E, h0km, ML2.0, Explosion
KOLA 09 15:35:45.0, 0.4, 67.67N:0.02-34.20E:0.07, h0km,
M2.6(MOS). The earthquakes of Russia in 2020. Obninsk,
GS RAS, 2022.

Table with columns: Code, Station Name, Az, El, P, S, M, L, R, and other parameters. Includes stations like LVZ Lovozero, BBJJ BBJJ, EDSC Edsca, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ONAU Onjala, SIRR Siria, DRGR Marisel-Ciuj, etc.

CATAC 09 16:15:49.1±0.5, 11°N, 2°E, 8'W, h20km, 4km, M3.7/3.2, ML3.7/3.2, Error ellipse: s-maj=5.6km s-min=3.1km az=42.4, confirmed

ISC 09 16:15:47.3±1.3, 11.00N, 0.04E, 84W, 0.04, h15km, 9km, n74, az=79/93, 8C-3D, Off coast of Costa Rica

Main table of station data with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists numerous stations across the region.

NEIC 09 16:32:59.4±1.1, 67°26'N, 0°02'163.95W, 0.05, h9km, 6km, Error ellipse: s-maj=3.6km s-min=2.7km az=212.0

Table of station data for 2020 OCT, columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like E17K Hotham Inlet, RDOG Red Dog Mine, etc.

Table of station data for 506, columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like D25K Kavik River, TRF Thorofare Moun, etc.

GFZ 09 17:01:13.2±0.3, 19°S, 6°E, 17°4W, h10km, M4.7/15, mb4.7/15, Error ellipse: s-maj=13.5km s-min=7.7km az=1-18, confirmed

NEIC 09 17:01:15.5±1.9, 19°26'S, 0°07'174.2W, 0.1, h10km, 1km, mb4.8/37, Error ellipse: s-maj=22.2km s-min=9.9km az=107.0

NOU 09 17:01:28.1, 20°44'S, 174°71'W, h0km, mb4.5/15, Tonga Islands

ISC 09 17:01:14.7±0.4, 19°27'S, 0°05'174°09'W, 0.06, h10km, n153, t197/137, mb4.7/38, MS3.4/7.2D, Tonga Islands

Main table of station data for 506, columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists numerous stations across the region.



















2020 OCT

Table with columns for flight number, airline, origin, destination, departure time, arrival time, status, and other flight details. Includes airlines like Garuda, Lion Air, Garuda Indonesia, and various international carriers.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BSI Banda Aceh, TIV Tatyuan, XAN Xi'an, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ILSW Chita, CNPM China Post, RED Redoubt Volcan, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like AFDM Forest Hills D, CMB Columbia Co, CMB Columbia Co, etc.

90d 21h

Table with columns: Q99A, comp-Z, 3.38nm, 1.0s, IAmB, IAmB, 21 35 23.0, etc. Lists various astronomical objects and their parameters.

2020 OCT

Table with columns: ZALV, comp-Z, 0.3nm, 0.3s, baz=79, slow=7.7, SNR=3.6, etc. Lists astronomical objects with detailed parameters.

516

Table with columns: VSR, comp-Z, 0.30nm, 1.2s, pmax, pmax, etc. Lists astronomical objects with parameters and magnitudes.







Table with columns: JOT, Ohata, 0.75 13 i P, Pg, 23 12 10.2 -0.7, Sg, 23 12 19.9 -0.8, Pp, 23 12 10.5 -0.8, Sg, 23 12 20.5 -0.7, Pp, 23 12 13.8 -0.6, Sg, 23 12 56.0 +1.8, Pp, 23 13 39.8 +1.8, Sg, 19.3m,0.7s,baz=171,slow=14,SNR=4.0,18m,0.5s, AML, AML, 23 13 07.9 +1.5, Pp, 23 15 18.1, LR, 23 13 44.6 -0.8, Pp, 23 15 08.1 -2.0, Sn, 23 14 28.7 +0.8, Pp, 23 16 25.0 -1.1, Sn, 23 17 55.7, LR, 23 20 34.4 -0.4, Pp, 23 22 06.2 -0.3, Pp, 23 22 07.4 -0.4, Pp, 23 22 32.5 -0.2, Pp, 23 22 38.6 -0.8, Pp, 23 23 12.2 0.0, Pp, 23 23 12.8 +0.2, Pp, 23 23 39.6 -2.0, Pp

IDC 09 23:39:18.9, 1.0, 35.29S, 53.94E, h0km, mb3.9/6, mbtmp3.9/6, M33.4/4, Error ellipse: s-maj=36.6km s-min=27.2km az=49.0

ISC 09 23:39:21.7, 1.0, 35.35S, 02.539E, 0.2, h17km, n20, 09487.7, mb3.8/5, M33.1/4, Southwest Indian Ridge

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time, Res, ISC, H04N1, CROZET ISLANDS 10.97 188, H04N2, CROZET ISLANDS 10.97 188, H04N3, CROZET ISLANDS 10.97 188, BOSA, Boshof, LBTB, Lobatse, SUR, Sutherland, H08S1, Diego Garcia H, H08S2, Diego Garcia H, H01W2, Cape Leeuwin H, H01W3, Cape Leeuwin H, H01W1, Cape Leeuwin H, QSPA, South Pole Qui, CMAR, Chiang Mai Arr, ASAR, Alice Springs, TORD, Torodi Arr, WRA, Warramunga Arr, BRTR, Keskin Array B, HNR, Honiara, ILAR, Eielson Array

TRN 09 23:49:48.4, 10.18N, 62.03W, h29km, MD3.6, Gulf of Paria

FUNV 09 23:49:48.9, 10.26N, 62.15W, h6km, MW3.0, Presumed earthquake

ISC 09 23:49:47.1, 1.4, 10.3N, 01.162E, 18W, 0.09, h17km, n13km, n17, c1547/31, Near coast of Venezuela

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time, Res, ISC, DMDM, Guralp CMG5TDE, PSMG, Mucurapo Girls, TRN, Trinidad (W), TRN, Trinidad (W), TRN, Mount Saint Ca, GRW, Sisters, GRSS, Sisters, GRSS, Puerto La Cruz, PCRV, Belmont, MCLT, Moule a Chique, MCLT, Saint Lucia, B, SLBI, Bigot, BIM, Bigot, BIM, TACV, TACV, CACV, CAICARA DEL OR, BENV, Beln, TURV, Turiama, TURV

Table with columns: MAPV, Macapao, 6.20 266 eP, Pn, 23 51 19.4 +0.8, MAPV, 6.20 266 eS, Sn, 23 52 25.5 -3.7, SOME 10 00:02:19.7, 39.34N, 77.25E, h10km, KRNET 10 00:02:20.6, 0.1, 39.36N, 77.18E, mb3.5, NNC 10 00:02:22.1, 0.8, 39.35N, 77.28E, h0km, mb3.8, mpv3.4, Error ellipse: s-maj=5.2km s-min=3.9km az=168.0, UIC 10 00:02:22.7, 1.5, 39.43N, 0.077E, 10E, 0.04, h10km, n57, c2509/93, 37C-14D, Southern Xinjiang

Code, Station Name, A° AZ°, Phase ID, Time, Res, ISC, NRR, Naryn, 2.17 338 fP, Pp, 03 00 03.0 -2.0, NRR, Naryn, 2.17 338 fS, Sn, 03 00 29.3 -0.1, TARG, Taragay, Kyrgy, 2.36 13f, Pp, 03 00 02.7 +0.8, TARG, Taragay, Kyrgy, 2.36 13f, Sg, 03 00 33.3 +1.6, KDJ, Kajisay, 2.70 1f, Pp, 03 00 07.4 +1.0, KDJ, Kajisay, 2.70 1f, Sg, 03 00 41.6 +2.4, SFK, Sufi-Kurgan, 2.83 283 fP, Pp, 03 00 09.3 +1.1, SFK, Sufi-Kurgan, 2.83 283 fS, Sn, 03 00 44.7 +2.1, ULHL, Ulaloh, 2.89 347 fP, Pp, 03 00 10.2 +1.2, ULHL, Ulaloh, 2.89 347 fS, Sn, 03 00 46.5 +2.6, SALK, Salom-Alik, 2.90 301 fP, Pp, 03 00 10.4 +1.3, SALK, Salom-Alik, 2.90 301 fS, Sn, 03 00 46.7 +2.6, BOOM, Boomskojke usch, 3.18 344f, Pp, 03 00 14.4 +1.4, BOOM, Boomskojke usch, 3.18 344f, Sg, Sn, 03 00 53.5 +2.4, PRZ, Pranzeval'sk, 3.21 17f, Pp, 03 00 10.2 +1.2, PRZ, Pranzeval'sk, 3.21 17f, Sg, Sn, 03 03 56.6 +1.9, ANVS, Anzhevo, 3.28 7f, Pp, 03 00 16.8 +1.1, ANVS, Anzhevo, 3.28 7f, Sg, Sn, 03 00 57.8 +1.9, UCH, Uchtor, 3.42 326f, Pp, 03 00 17.8 +1.4, UCH, Uchtor, 3.42 326f, Sg, Sn, 03 00 59.5 +2.3, OSH, Osh, 3.49 290f, Pp, 03 00 18.3 +1.2, OSH, Osh, 3.49 290f, Sg, Sn, 04 00 04.4 +1.9, TNSS, Tian-Shan, 3.61 358 Pp, Pp, 03 00 25.7 -1.1, TNSS, Tian-Shan, 3.61 358 Pp, Sg, 04 00 13.6, TNSS, Tian-Shan, 3.61 358 Pp, Sg, 03 00 25.7 -1.1, TNSS, Tian-Shan, 3.61 358 Pp, Sg, 04 00 13.6 +2.8, KBK, Karagaybulak, 3.61 334 fP, Pp, 03 00 20.4 +1.5, KBK, Karagaybulak, 3.61 334 fS, Sn, 03 04 03.9 +2.2, TKM2, Tokmak 2, 3.67 342 fP, Pp, 03 00 21.1 +1.4, TKM2, Tokmak 2, 3.67 342 fS, Sn, 03 04 05.2 +2.1, KST, Kasteek, 3.71 347 Pp, Pp, 03 00 27.6 -0.8, KST, Kasteek, 3.71 347 Pp, Sg, 04 00 16.9, KST, Kasteek, 3.71 347 Pp, Sg, 03 00 27.6 -0.8, KST, Kasteek, 3.71 347 Pp, Sg, 04 00 16.9 +3.4, MDOK, Medeo, 3.73 359 Pp, Pp, 03 00 27.7 -1.1, MDOK, Medeo, 3.73 359 Pp, Sg, 04 00 16.9, MDOK, Medeo, 3.73 359 Pp, Sg, 03 00 27.7 -1.1, MDOK, Medeo, 3.73 359 Pp, Sg, 04 00 16.9 +2.8, SATY, Saty, 3.76 15 Pp, Pp, 03 00 27.9 -1.4, SATY, Saty, 3.76 15 Pp, Sg, 04 00 17.3, SATY, Saty, 3.76 15 Pp, Sg, 03 00 27.9 -1.4, SATY, Saty, 3.76 15 Pp, Sg, 04 00 17.2 +2.4, AAK, Ala-Archa, 3.76 329 fP, Pp, 03 00 32.1 -2.7, AAK, Ala-Archa, 3.76 329 fS, Sn, 04 00 21.7, AAK, Ala-Archa, 3.76 329f, Pp, Pn, 03 00 22.4 +1.5, AAK, Ala-Archa, 3.76 329f, Sg, Sn, 04 00 07.5 +2.1, KNDC, Almaty, 3.79 359 fP, Pp, 03 00 29.3 -0.4, KNDC, Almaty, 3.79 359 fS, Sn, 04 00 20.2, KOTS, Kotrybulak, 3.80 0 Pp, Pp, 03 00 29.0 -1.0, KOTS, Kotrybulak, 3.80 0 Pp, Sg, 04 00 19.1, KOTS, Kotrybulak, 3.80 0 Pp, Sg, 03 00 29.0 -1.0, KOTS, Kotrybulak, 3.80 0 Pp, Sg, 04 00 19.1 +3.0, CHMS, Chumysh, 3.98 334 fP, Pp, 03 00 25.3 +1.5, CHMS, Chumysh, 3.98 334 fS, Sn, 04 00 12.6 +2.0, UZB, Uzynbulak, 3.99 21 Pp, Pp, 03 00 31.4 -1.7, UZB, Uzynbulak, 3.99 21 Pp, Sg, 04 00 23.6, UZB, Uzynbulak, 3.99 21 Pp, Sg, 03 00 31.4 -1.7, UZB, Uzynbulak, 3.99 21 Pp, Sg, 04 00 23.6 +2.1, EKS2, Erkin-Say, 4.09 323f, Pp, Pn, 03 00 26.9 +1.5, EKS2, Erkin-Say, 4.09 323f, Sg, Sn, 04 04 15.3 +1.9, DRK, Drak, 4.10 272f, Pp, Pn, 03 00 26.8 +1.1, DRK, Drak, 4.10 272f, Sg, Sn, 04 00 15.1 +1.1, SHLS, Shalkoek, 4.13 25 Pp, Pp, 03 00 36.7 +1.2, SHLS, Shalkoek, 4.13 25 Pp, Sg, 04 00 32.5 -2.8, SHLS, Shalkoek, 4.13 25 Pp, Sg, 04 00 32.5 -2.8, SHLS, Shalkoek, 4.13 25 Pp, Sg, 04 00 32.5 -2.8, KPKS, Kokpek, 4.21 16 Pp, Pp, 03 00 35.5 -1.3, KPKS, Kokpek, 4.21 16 Pp, Sg, 04 00 30.4, KPKS, Kokpek, 4.21 16 Pp, Sg, 03 00 35.5 -1.3, KPKS, Kokpek, 4.21 16 Pp, Sg, 04 00 30.4 +2.7, KTBS, Karatobe, 4.29 356 Pp, Pp, 03 00 38.3 0.0, KTBS, Karatobe, 4.29 356 Pp, Sg, 04 00 35.0, KTBS, Karatobe, 4.29 356 Pp, Sg, 03 00 38.3 0.0, KTBS, Karatobe, 4.29 356 Pp, Sg, 04 00 35.0 +4.9, PDGK, Podgornoye, 4.29 24 fP, Pp, 03 00 37.8 -0.5, PDGK, Podgornoye, 4.29 24 fS, Sn, 04 00 31.9, PDGK, Podgornoye, 4.29 24 fP, Pp, 03 00 29.9 +1.6, PDGK, Podgornoye, 4.29 24 fS, Sn, 03 00 20.4 +1.8, KRBS, Karabastau, 4.39 346 Pp, Pp, 03 00 40.6 +0.6, KRBS, Karabastau, 4.39 346 Pp, Sg, 04 00 39.2, KRBS, Karabastau, 4.39 346 Pp, Sg, 03 00 40.6 +0.6, KRBS, Karabastau, 4.39 346 Pp, Sg, 04 00 39.2 -4.6, MRKS, Merke, 4.42 320 Pp, Pp, 03 00 41.9 +1.5, MRKS, Merke, 4.42 320 Pp, Sg, 04 00 41.4, MRKS, Merke, 4.42 320 Pp, Sg, 03 00 41.9 +1.5, MRKS, Merke, 4.42 320 Pp, Sg, 04 00 41.4 -3.2, SGDS, Sogindy, 4.43 336 Pp, Pp, 03 00 41.6 +1.1, SGDS, Sogindy, 4.43 336 Pp, Sg, 04 00 40.9, ARK, Arkit, 4.57 303f, Pp, Pn, 03 00 33.4 +1.4, ARK, Arkit, 4.57 303f, Sg, Sn, 04 00 26.6 +1.4, MNAS, Manas, 4.63 313f, Pp, Pn, 03 00 34.4 +1.6, MNAS, Manas, 4.63 313f, Sg, Sn, 04 00 28.2 +1.5, KTMS, Ketmen, 4.70 30 Pp, Pp, 03 00 44.9 -0.3, KTMS, Ketmen, 4.70 30 Pp, Sg, 04 00 46.6, KTMS, Ketmen, 4.70 30 Pp, Sg, 03 00 44.9 -0.3, KTMS, Ketmen, 4.70 30 Pp, Sg, 04 00 46.6 +4.6

Table with columns: BLB, Baldybastay, 4.78 12 Pp, Pp, 00 03 46.7 +0.1, BLB, Baldybastay, 4.78 12 Pp, Sg, 04 00 49.7, ARXS, Arhary, 4.81 6 Pp, Pp, 00 03 47.6 +0.5, ARXS, Arhary, 4.81 6 Pp, Sg, 04 00 51.2, ARXS, Arhary, 4.81 6 Pp, Sg, 00 03 47.6 +0.5, ARXS, Arhary, 4.81 6 Pp, Sg, 00 04 51.2 +6.1, BTk, Batken, 4.88 279 fP, Pp, 00 03 37.4 +1.1, BTk, Batken, 4.88 279 fS, Sn, 00 03 33.6 +0.7, TRKS, Terek-Say, 5.00 297f, Pp, Pn, 00 03 38.7 +0.7, TRKS, Terek-Say, 5.00 297f, Sg, Sn, 04 00 35.8 -0.2, KNOS, Konyrien, 5.17 17 Pp, Pp, 00 03 53.8 +0.6, KNOS, Konyrien, 5.17 17 Pp, Sg, 04 00 05.1, DJR, Jarkent, 5.29 21 Pp, Pp, 00 03 56.2 +1.1, DJR, Jarkent, 5.29 21 Pp, Sg, 04 00 05.8, DJR, Jarkent, 5.29 21 Pp, Sg, 00 03 56.2 +0.8, DJR, Jarkent, 5.29 21 Pp, Sg, 00 05 05.8 -6.8, KK31, Karatay Array, 6.17 309 Pp, Pp, 00 04 17.0 -3.9, KK31, Karatay Array, 6.17 309 Pp, Sg, 00 05 36.5

TIF 10 00:02:45.7, 41.42N, 48.18E, h70km, 2km, MOS 10 00:02:45.7, 41.34N, 48.21E, h56km, 2km, MPVA4.2, NORS 10 00:02:46.5, 41.33N, 48.03E, h20km, MPVA2.7, AZER 10 00:02:47.6, 41.27N, 48.17E, h45km, m13.0, DRS 10 00:02:47.2, 41.29N, 48.18E, h15km, ISC 10 00:02:48.1, 1.2, 41.35N, 0.02, 48.13E, 0.03, h56km, 6km, n98, c1916/167, 2C-1D, Eastern Caucasus

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time, Res, ISC, XNQ, Khinaliq, 0.18 176 Pp, Pp, 00 02 57.0 -0.3, XNQ, Khinaliq, 0.18 176 Pp, Sg, 00 03 04.4 +0.5, QSAR, Qusar, 0.20 32 Pp, Pp, 00 02 56.5 -0.7, QSAR, Qusar, 0.20 32 Pp, Sg, 00 03 04.3 +0.6, KSMR, Kasumkent, 0.25 0 Pp, Pp, 00 02 56.9 -0.7, KSMR, Kasumkent, 0.25 0 Pp, Sg, 00 02 57.1 -0.6, QUBA, Quba, Azerbaj, 0.28 89 Pp, Pp, 00 02 57.2 +0.6, QUBA, Quba, Azerbaj, 0.28 89 Pp, Sg, 00 03 05.2 +0.6, AKTY, Akhty, 0.33 294 Pp, Pp, 00 03 05.7 +0.2, AKTY, Akhty, 0.33 294 Pp, Sg, 00 02 57.7 -0.5, QBL, Gabala, 0.46 208 Pp, Pp, 00 02 59.5 +0.1, QBL, Gabala, 0.46 208 Pp, Sg, 00 03 09.2 +1.7, IML, Ismayilli, 0.56 176 Pp, Pp, 00 03 00.4 -0.1, IML, Ismayilli, 0.56 176 Pp, Sg, 00 03 10.3 +0.9, SIZA, Siyaz, 0.64 115 Pp, Pp, 00 03 01.1 -0.4, SIZA, Siyaz, 0.64 115 Pp, Sg, 00 03 12.2 +0.6, POL, Pirkuli, 0.66 148 Pp, Pp, 00 03 01.7 -0.1, POL, Pirkuli, 0.66 148 Pp, Sg, 00 03 11.7 -0.2, DRN, Derbent, 0.70 13 Pp, Pp, 00 03 00.5 -1.6, DRN, Derbent, 0.70 13 Pp, Sg, 00 03 11.4 -0.9, DRN, Derbent, 0.70 13 Pp, Sg, 00 03 00.5 -1.6, DRN, Derbent, 0.70 13 Pp, Sg, 00 03 11.4 -0.9, SEKA, Sheki, 0.71 259 Pp, Pp, 00 03 02.1 -0.3, SEKA, Sheki, 0.71 259 Pp, Sg, 00 03 02.4 +0.6, ATGJ, Altiaghaj, 0.78 128 Pp, Pp, 00 03 03.2 -0.1, ATGJ, Altiaghaj, 0.78 128 Pp, Sg, 00 03 15.4 +1.0, URKR, Urkarakh, 0.90 336 Pp, Pp, 00 03 03.9 -0.9, URKR, Urkarakh, 0.90 336 Pp, Sg, 00 03 16.7 -0.3, URKR, Urkarakh, 0.90 336 Pp, Sg, 00 03 03.8 -0.9, URKR, Urkarakh, 0.90 336 Pp, Sg, 00 03 16.5 -0.5, KDMR, Kurdeмир, 0.97 177 Pp, Pp, 00 03 05.3 -0.3, KDMR, Kurdeмир, 0.97 177 Pp, Sg, 00 03 19.6 +1.1, MNGR, Mingechevir, A, 0.97 234 Pp, Pp, 00 03 06.1 +0.5, MNGR, Mingechevir, A, 0.97 234 Pp, Sg, 00 03 20.2 +1.6, GBS, Gobustan, 1.02 142 Pp, Pp, 00 03 07.2 +0.8, GBS, Gobustan, 1.02 142 Pp, Sg, 00 03 21.8 +1.9, KMKR, Kumukh, 1.09 316 Pp, Pp, 00 03 07.5 0.0, KMKR, Kumukh, 1.09 316 Pp, Sg, 00 03 23.0 +1.2, ZRD, Zardab, 1.12 198 Pp, Pp, 00 03 07.5 -0.1, ZRD, Zardab, 1.12 198 Pp, Sg, 00 03 22.2 +0.2, SGKR, Sergokala, 1.16 343 Pp, Pp, 00 03 07.5 -0.8, SGKR, Sergokala, 1.16 343 Pp, Sg, 00 03 23.4 +0.2, SGKR, Sergokala, 1.16 343 Pp, Sg, 00 03 23.0 -0.9, ZKTA, Zakatala, 1.17 285 Pp, Pp, 00 03 08.0 -0.3, ZKTA, Zakatala, 1.17 285 Pp, Sg, 00 03 25.5 +2.3, BRDA, Brd, 1.30 214 Pp, Pp, 00 03 10.2 +0.2, VSHL, Vashlovani, 1.31 265 Pp, Pp, 00 03 10.4 +0.3, GNBR, Gunib, 1.35 321 Pp, Pp, 00 03 10.9 +1.0, GNBR, Gunib, 1.35 321 Pp, Sg, 00 03 29.6 +1.8, AGDM, Agdam, 1.46 212 Pp, Pp, 00 03 11.7 -0.6, AGDM, Agdam, 1.46 212 Pp, Sg, 00 03 31.1 +0.8, LGD, Lagodekhi, 1.49 290 Pp, Pp, 00 03 12.4 -0.2, LGD, Lagodekhi, 1.49 290 Pp, Sg, 00 03 12.4 -0.2, SAAT, Saaty, 1.50 171 Pp, Pp, 00 03 12.2 -0.5, SAAT, Saaty, 1.50 171 Pp, Sg, 00 03 29.8 -1.5, ARKR, Arakani, 1.51 326 Pp, Pp, 00 03 13.4 +0.5, ARKR, Arakani, 1.51 326 Pp, Sg, 00 03 30.0 +1.4, ARKR, Arakani, 1.51 326 Pp, Sg, 00 03 12.9 0.0, ARKR, Arakani, 1.51 326 Pp, Sg, 00 03 32.9 +1.4, DDFL, Dedofliitskaro, 1.51 274 Pp, Pp, 00 03 13.7 +0.8, DDFL, Dedofliitskaro, 1.51 274 Pp, Sg, 00 03 13.7 +0.8, TLTR, Tlyarata, 1.53 300 Pp, Pp, 00 03 12.8 -0.4, TLTR, Tlyarata, 1.53 300 Pp, Sg, 00 03 32.2 +1.0, TLTR, Tlyarata, 1.53 300 Pp, Sg, 00 03 12.5 -0.7, TLTR, Tlyarata, 1.53 300 Pp, Sg, 00 03 32.8 +0.7, GANJ, Ganja, 1.54 243 Pp, Pp, 00 03 12.0 -1.2, GANJ, Ganja, 1.54 243 Pp, Sg, 00 03 12.1 -1.2, ALIB, Aumilli-Bayram, 1.54 154 Pp, Pp, 00 03 14.4 -0.4, ALIB, Aumilli-Bayram, 1.54 154 Pp, Sg, 00 03 14.7 +1.4, GOBA, Gobu, 1.54 127 Pp, Pp, 00 03 37.1 +4.8, GOBA, Gobu, 1.54 127 Pp, Sg, 00 03 14.5 +1.2, XNZR, Khunzakh, 1.59 319 Pp, Pp, 00 03 33.4 +1.1, XNZR, Khunzakh, 1.59 319 Pp, Sg, 00 03 14.5 +0.3, HNZR, Khunzakh, 1.60 319 Pp, Pp, 00 03 35.4 +0.7, HNZR, Khunzakh, 1.60 319 Pp, Sg, 00 03 13.9 -0.3, NDR, Nardaran, 1.60 118 Pp, Pp, 00 03 33.8 +0.1, NDR, Nardaran, 1.60 118 Pp, Sg, 00 03 14.4 -0.4, BUJR, Buynaks, 1.66 333 Pp, Pp, 00 03 36.6 +1.5, BUJR, Buynaks, 1.66 333 Pp, Sg, 00 03 14.4 -0.4, MAK, Makhachkala, 1.68 344 Pp, Pp, 00 03 15.2 +0.2, MAK, Makhachkala, 1.68 344 Pp, Sg, 00 03 36.7 +1.3, MAK, Makhachkala, 1.68 344 Pp, Sg, 00 03 15.5 +0.2, MAK, Makhachkala, 1.68 344 Pp, Sg, 00 03 15.5 +0.2



ISC 10 00:59:09.0.0.7, 13.65Nm, 0.04.90.06W, 0.03, h70km, 5km, n154, r134/199, mb4.2/5, Near coast of Guatemala

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time, Res, ISC. Lists seismic stations and their recorded data for the event.

Table with columns: CARN, Rivas, 5.06 118 eP, Pn, 01 00 25.4 +2.3. Lists seismic stations and their recorded data for the event.

Table with columns: AAK, 2.8m, 0.4s, flLg, Lg, 01 14 39.2. Lists seismic stations and their recorded data for the event.

NNC 10 01:12:37.9:1.8, 42.02N:69.31E, h1km, 10km, mb4.0, mpv3.9, Error ellipse: s-maj=11.6km s-min=5.8km az=62.0

KRNET 10 01:12:38.3:0.1, 42.04N:69.42E, h16km, mb3.7, SOME 10 01:12:38.4, 42.02N:69.48E, h10km

ISC 10 01:12:39.2:1.3, 42.07N:0.03:69.48E:0.06, h15km, 8km, n55, z297/92, 17C-28D, Central Kazakhstan

SJA 10 01:16:20.7:0.8, 22.13S:68.73W, h128km, 5km, ML3.3, MW3.5

GUC 10 01:16:23.0:0.8, 22.14S:68.68W, h123km, 6km, ML3.5, Presumed earthquake

ISC 10 01:16:21.6:1.6, 22.13S:0.04:68.75W:0.07, h132km, 11km, n29, z05/53:45, 5C-12, Northern Chile

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time, Res, ISC. Lists seismic stations and their recorded data for the event.











10d 3h

2020 OCT

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and multiple columns of station codes and coordinates. The table lists various radio stations and their associated frequencies and identifiers.

Table with columns: FITZ, QSPA, QSPA, GIRL, BELA, BELA, MAW, MAW, SMAI, SMAI, TROLL, SNA, SNA, SNA, SNA, ESPZ, VNA3, VNA2, VNA1, VNA1, VNA1, MG03, PLCA, PLCA, MJAR, B102, B102, PZH, HHC, HHC, HHC, MKAR, MKAR, KURBB, BVAR, KBZ, ARCES, DBIC, DBIC, DBIC, BRTR, TORO, CLL. Includes station names, coordinates, and times.

IDC 10:04:54.41.8.1, 3.28554N, 102.53E, h0km, mb3.6/5, mbtmp3.6/5, Error ellipse: s-maj=22.82km s-min=21.8km az=57.0, S1chuan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like MKAR, ZALV, KURBB, WRA, ASAR.

ISK 10:04:07:28.8, 38°05'N, 44°63'E, h8km, ML3.5/11 NSSP 10:04:07:31.5, 38°35'N, 44°72'E, h10km, M3.2/2 AZER 10:04:07:31.3, 38°43'N, 44°58'E, h8km, ml3.3 AFAD 10:04:07:32.8, 38°39'N, 44°35'E, h6km, 2km, ML3.3 TEH 10:04:07:38.5, 38°36'N, 45°02'E, h16km, 3.7km, ML2.9

Presumed earthquake ISC 10:04:07:30.8±1.1, 38°27'N, 0°02'-44'54"E, 0.02h, 4h4km, 10km, n75, c154/116, 4C-6D, Turkey-Iran border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like OZAP, YOVA, TVAN, VANB, HAKT, HAKT, HAKT, IMRD, VMUR, GEVA, NAX, ERVC, AKDM, ITBZ, IAZR, ORD, ORD, SBZ, DYDN, HYR, HYR, ADCV, ALVK, VAYK, PERV.

Table with columns: PERV, IGDID, TASB, TASB, MAHAB, DORK, AGRB, MALAZ, MALAZ, EGVAR, AGRI, SIRN, SIRN, SIRN, SIRN, GNI, GNI, GNI, BLIS, BLIS, VNZ, VNZ, GURO, GURO, ARUZ, ARUZ, AYRK, AYRK, SRMT, SRMT, SRMT, SRMT, AMBZ, AMBZ, EKAR, EKAR, EATA, EATA, DIGO, DIGO, HSH, HSH, MUSM, MUSM, QRD, QRD, ISRB, ISRB, EAK, EAK, VRTB, VRTB, BTMN, BTMN, BTMN, BTMN, KARS, KARS, BOZK, BOZK, GDB, GDB, MIDY, MIDY, MIDY, SVAN, SVAN, SVAN, SVAN, GRMI, GRMI, LSVT, LSVT, LSVT, AGDM, AGDM, GANJ, GANJ, GANJ, SLHN, SLHN, SENK, SENK, SENK, QZX, QZX, ERZM, ERZM, YRD, YRD, YRD, LRL, LRL, LRL, ETEKE, ETEKE, GLBA, GLBA, GLBA, AKH, AKH, TRLG, TRLG, VSHL, VSHL, VSHL, ASTR, ASTR, ODFL, ODFL, CHRG, CHRG, SHTL, SHTL.

DJA 10:04:11:27.4±1.4, 8°S, 3°12'E, h25km±14km, M4.4/11, mb6.0/5, mb4.5/6, MLV3.8/11, Mw(MB)5.7/5, Flores region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like SOEI, SOEI, SOEI, MMRI, MMRI, MMRI, EDFI, EDFI, WSI, WSI, BKSJ, BKSJ, NLAI, NLAI, NLAI, PLAI, PLAI, PLAI, STR, MRB, LDG, MDD, SFS, INMG, ISC, Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like SOEI, SOEI, SOEI, MMRI, MMRI, MMRI, EDFI, EDFI, WSI, WSI, BKSJ, BKSJ, NLAI, NLAI, NLAI, PLAI, PLAI, PLAI, CARF, CARF, CARF, ESCA, ESCA, ESCA, MONF, MONF, MTLF, MTLF, MTLF, EMIR, EMIR, EMIR, CLLI, CLLI, CLLI, VALC, VALC, VALC, EXQU, EXQU, CBRU, CBRU.



Table with columns: Station Name, AML, Pn, S, Res, Time, ISC. Includes stations like GVD, Gavdhos, KARP, Karpathos, Iera Moni Meta, Ancient Thera, etc.

Table with columns: Code, Station Name, A, AZ, Phase ID, Time, Res, ISC. Includes stations like mb4.4/28, Error ellipse, FCIAR 10 05:40:06.0, etc.

Table with columns: Station Name, A, AZ, Phase ID, Time, Res, ISC. Includes stations like HFS Hagfors, KDAK Kodiak Island, HYT Haines Junctio, etc.

IDC 10 05:40:05.7-0.6, 75.57N-113.15E, h0km, mb3.9/13, mbmp4.0/17, ML4.8/5, MS3.4/16, Error ellipse: s-maj=15.8km s-min=11.5km az=173.0

AKTO Aktyubinsk 32.22 254 LR 06 03 04.5
AB31 Akbulak array 33.84 251 Iamb 05 46 48.9 +1.7
AB31 Akbulak array 33.84 251 Iamb 05 46 48.9 +1.7

CAOAO El Cacao, Vera 2.11 116 eP 05 43 49.1 +1.0
CAOAO El Cacao, Vera 2.11 116 eP 05 43 49.1 +1.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like CACAO, HDC, TCS1, TRB2, etc.

TRN 10 06:18:25.8, 14.71N-60.52W, h26km, MD3.5, East of Martinique, Windward Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ILAM, BIM, BIN, SVM, etc.

IDC 10 06:29:47.1±1.2, 45.34N-25.56E, h62km, 7km, mb3.3/4, mbtmp3.5/7, MS2.5/2, Error ellipse: s-maj=30.3km, s-min=20.0km az=151.0

BEO 10 06:29:47.7±0.4, 45.22N-25.18E, h12km, 5km, ML3.4/21

BUC 10 06:29:47.4±0.1, 45.32N-25.56E, h66km, 2km, ml4, 0/78, Error ellipse: s-maj=0.9km s-min=0.9km az=162.0

MCSM 10 06:29:47.5±0.4, 45.71N-22.02E, h68km, 6km, mb4.0, mb5.0, MLV3.5, MW1/3.4

SIGU 10 06:29:47.1±0.1, 45.33N-0.75E, h64km, mb3.5/7, MD3.7/14

SOF 10 06:29:48.1, 45.22N-0.02E, 25.52E, 0.01, h50km, 7km, MD4.3/8

CFUSG 10 06:29:48.5, 45.30N-25.90E, h60km, Mb3.6/4, MD3.4/5, MSH3.6/7

AFAD 10 06:29:49.3, 45.011N-25.89E, h7km, 3km, MW3.6

ISC 10 06:29:46.8, 45.30N-0.02E, 25.54E, 0.02, h72km, 5km, n202, ±157/295, mb3.5/3, SBC-62D, Romania

Main table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MTUR, MLR, MTR, etc.

Main table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ZIMR, NEGRR, BICAZ, etc.

IDC 10 05:45:28.6±0.8, 13.07S-66.68E, h0km, mb4.0/10, mbtmp4.0/11, ML4.1/1, MS3.6/15, Error ellipse: s-maj=27.6km s-min=20.6km az=50.0

ISC 10 05:45:30.0±0.8, 13.13S-0.26E, h0.2, h10km, n36, ±061/15, mb4.2/10, MS3.6/15, Mid-Indian Ridge

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like H08S1, H08S2, OPO, etc.

TRN 10 06:13:02.6, 10.30N-61.63W, h23km, MD3.6, Gulf of Paria

FUNV 10 06:13:04.1, 10.56N-61.71W, h31km, MW3.4, Presumed earthquake

ISC 10 06:13:01.1±1.8, 10.30N-61.61W, 0.1±17km, 13km, n9, ±1948/18, Trinidad

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PSMG, DMDM, TRN, etc.





Err: ellipse: s-maj=7.1km s-min=5.8km az=144.0  
 GFZ 10 06:41:27.8:0.3,52°N:6°17'0W:; h10km,MS:2/67,  
 mb4.9/67  
 GCMT 10 06:41:29.9:0.3,51°90N:0.02:169°66W:0.04,h20km,  
 MW4.9/93,Moment Tensor Solution. s31,c40; s93,c130;  
 Duration: 0 Moment tensor: Scale 1019Nm; Mr:2.43±.13;  
 Mw:1.97±.09; Ms:0.46±.07; Ms1:2.1±.14; Ms0:0.58±.04;  
 Mo:0.71±.15; Best double couple: M2:69100±1016  
 NP1:256.00000°,630.00000°,199.00000°. NP2:  
 96.60000°,861.00000°,185.00000°. Principal axes: T  
 2.8340, P1g74.0000, Azm323.0000°, N -0.2890,  
 P1g4.0000°, Azm68.0000°, P -2.5490, P1g16.0000°,  
 Azm159.0000°; nsta1 refers to body waves, cutoff=40s.  
 nsta2 refers to surface waves, cutoff=50s. Triangular  
 moment-rate function  
 BUJ 10 06:41:30.9,52°46N:170°30W,h39km,mb5.4/9,mb5.0/51,  
 Ms4.8/22,Ms7.4/52/22

ISC 10 06:41:29.4:1.2,51.95N:0.07:169.65W:0.04,h32km,7km,  
 n437,σ190/408,mb4.8/177,MSA:1/60,7D,Fox Islands

Code	Station Name	Lat	Lon	Phase ID	ISC	Time	Res
CLCO	Concord Point,	0.84	357	Op	ISC	06 41 58.1	1.9
CLCO					Pb	06 41 58.1	1.9
CLES	Cleveland East	0.89	350		Pn	06 41 44.4	-1.2
CLES					P	06 42 08.0	
CLES	comp=N,18um,1.2s			IAML		06 42 09.8	
CLES	comp=E,16um,1.2s			IAML		06 42 09.8	
CLCS	Cleveland East	0.89	350		Sn	06 41 59.5	+2.2
OKCE	Okmok Cone E	1.73	31		Pn	06 41 57.0	-0.2
OKTU	Okmok Mt. Tui	1.74	34		Pn	06 41 56.9	-0.5
OKNO	Okmok West Cone	1.77	31		Pn	06 41 58.0	+0.1
OKER	Okmok East Rim	1.79	32		Pn	06 41 57.9	-0.2
OKER					Sn	06 42 21.6	+1.7
OKFG	Magazine Ridge	1.80	35		Pn	06 41 57.8	-0.4
MAGP	Pakushin South	2.48	40		Pn	06 42 07.6	0.0
MAPS		2.85	280		Pn	06 42 12.2	+0.5
MGOD	Makushin Gods	2.50	41		Pn	06 42 07.6	-0.2
MSW	Makushin Switc	2.62	40		Sn	06 42 37.8	+0.6
MSW					Pn	06 42 09.5	0.0
MINAT	Makushin Natee	2.64	42		Sn	06 42 41.7	+1.5
UNV	Unalaska Valle	2.69	44	P	Pn	06 42 10.5	+0.1
UNV	Unalaska Valle	2.69	44		Pn	06 42 10.4	+0.1
UNV				IAML		06 43 05.3	
UNV	comp=N,1um,1.3s			IAML		06 42 42.7	+1.0
KOPF	Korovin Flat P	2.76	278		Pn	06 42 12.6	+1.1
KOKV	Korovin Volcan	2.81	280		Pn	06 42 13.3	+1.2
ATKA	Atka Island	2.82	277	P	Pn	06 42 11.9	-0.2
ATKA	Atka Island	2.82	277		Pn	06 42 11.7	-0.4
ATKA	Atka Island	2.82	277		Sn	06 42 44.3	-0.7
KOWE	Korovin West	2.85	280		Pn	06 42 13.5	+0.6
AKRB	Akutan Reef Bi	3.07	43		Pn	06 42 16.8	+1.1
ZRO	Akutan Broad	3.08	45		Pn	06 42 16.8	+0.9
AKBA	Akutan Zero B	3.11	45		Pn	06 42 17.2	+1.0
AKUT	Akutan	3.20	45	P	Pn	06 42 18.6	+1.2
AKUT	Akutan	3.20	45		Pn	06 42 18.2	+0.8
AKUT				IAML		06 43 17.5	
GSIG	litigin Island	3.88	273		Pn	06 42 27.0	+0.2
GSIG					Sn	06 43 12.9	+1.6
WECS	Westdahl Cape	3.90	47		Pn	06 42 28.2	+1.0
WECS	Westdahl Cape	3.90	47	IAML		06 43 29.7	
WESP	Westdahl Peak	3.91	47		Pn	06 42 28.4	+1.2
GSMT	Great Sitkin M	3.96	274		Pn	06 42 28.2	+0.3
GSMT					Sn	06 43 15.1	+1.9
GSMT					Pn	06 41 58.0	+0.4
GSKC	Great Sitkin C	4.03	273		Pn	06 42 29.2	+0.4
ETKA	Kagalaska Isla	4.18	271		Pn	06 42 30.9	-0.1
ADK	Adak	4.36	272	P	Pn	06 42 33.6	+0.3
ADK	Adak	4.36	272		Pn	06 42 33.3	0.0
ADK				IAML		06 43 47.6	
ADK	comp=E,511nm,2.0s			IAML		06 43 49.2	
ADK	comp=E,356nm,1.5s			IAML		06 43 23.9	+1.0
ADK	Adak	4.36	272		Pn	06 43 40.7	+0.7
KIWB	Kanaga Island	4.65	272		Pn	06 42 37.5	+0.2
KIWB				IAML		06 43 58.3	
KIWB	comp=N,398nm,1.9s			IAML		06 44 01.5	
KIWB	comp=E,438nm,1.5s			IAML		06 42 37.9	-0.2
KIMD	Kanaga Island	4.71	271		Pn	06 42 44.1	+0.4
TAFL	Tanaga Flats	5.12	271		Pn	06 42 46.3	+1.4
TASE	Tanaga Southea	5.20	272		Pn	06 42 47.3	+1.8
SPIA	Saint Paul Isl	5.25	356	P	Pn	06 42 46.0	+0.5
SPIA	Saint Paul Isl	5.25	356		Pn	06 43 26.7	
SPIA				IAML		06 42 26.7	
SPIA	comp=N,320nm,2.0s			IAML		06 42 48.7	+0.9
DTI	Dutton Round H	5.41	51		Pn	06 42 52.0	+1.1
DOL	Dolgi Island	5.64	52		Pn	06 42 53.4	+1.5
GAKI	Gareloi Gavalg	5.85	47		Pn	06 42 54.1	+0.2
S12K	Black Hills	5.86	47	Pn	Pn	06 43 03.4	+1.7
SDPT	Sand Point	6.43	54		Pn	06 43 01.6	-0.1
SDPT	Sand Point	6.43	54		Pn	06 43 03.0	-2.0
CNBA	Chernabura Isl	6.67	61	Pn	Pn	06 43 05.2	+0.1
CHNA	Chernabura Isl	6.67	60		Pn	06 43 26.1	+1.4
CSHW	Semis Southwest	6.90	270		Pn	06 43 08.4	+0.2
AMKA	Amchitka	6.90	270		Pn	06 43 15.3	+1.9
LSPA	Little Sitkin	7.28	275		Pn	06 43 22.8	+0.9
CHGN	Chignik	7.91	52		Pn	06 43 25.6	+1.8
BPCA	Veniaminof	8.03	50		Pn	06 43 39.7	+1.1
O15K	Ungalikthiuk R	9.12	34	Pn	Pn	06 43 38.4	-0.5
CHIR	Chirikof Islan	9.14	59	Pn	Pn	06 43 40.3	+1.4
CHIR	Chirikof Islan	9.14	59	Pn	Pn	06 43 40.3	+1.4
N14K	Kuskokwak Cree	9.15	26		Pn	06 43 45.0	+0.5
M13K	Dali Lake	9.18	20	Pn	Pn	06 43 48.0	+1.6
R17L	Mt. Peulik Vol	9.55	48		Pn	06 43 51.0	+0.6
P16K	Nushagak River	9.63	38		Pn	06 43 53.2	+0.4
O16K	Kotkwok River B	10.04	36		Pn	06 43 55.9	+0.8
SII	Sitkinak Islan	10.15	57	Pn	Pn	06 43 56.9	+0.7
SII	Sitkinak Islan	10.15	57	Pn	Pn	06 44 00.0	-1.4
ACHA	Angle Creek He	10.32	47		Pn	06 44 06.5	+1.9
P17K	Kvichak River	10.41	41		Pn	06 44 09.3	+0.7
OHAK	Old Harbor	10.54	54	P	Pn	06 44 07.6	-2.4
OHAK	Old Harbor	10.55	54		Pn	06 44 09.3	+0.7
N17K	Nushagak Hills	11.02	34	Pn	Pn	06 44 07.6	-2.4
O18K	Koktuh Hills	11.31	40		Pn	06 44 07.6	-2.4
KDAK	Kodiak Island	11.42	53	Pn	Pn	06 44 11.5	-4.8
KDAK	comp=N,1.2nm,0.3s,baz=244,slow=5.7,SNR=23			Sn		06 46 11.5	-4.8
KDAK	comp=N,3.3nm,0.4s			IAML		06 44 09.9	-0.5
O19K	Cape Douglas,	11.44	46	AML	AML	06 44 14.0	+1.7
M17K	Holtna River	11.59	30		Pn	06 44 13.8	+1.4
N18K	Kilae Creek	11.59	36		Pn	06 44 24.3	+1.8
J16K	Anvik River	12.34	19		Pn	06 44 25.8	+1.7
L18K	Granite Mounta	12.44	29		Pn	06 44 26.8	+0.7
RED	Redoubt Volcan	12.63	41		Pn	06 44 29.1	+2.2
J17K	IA5B DOME	12.63	41	Pn	Pn	06 44 28.1	-1.1
CNPM	China Poot	12.82	47		Pn	06 44 33.5	+1.9
L19K	White Mountain	12.99	32		Pn	06 44 37.7	+0.7
M20K	Styx River	13.38	36		Pn	06 44 37.9	+0.6
J18K	Innokov River	13.42	26		Pn	06 44 40.9	+0.6
STLK	Strandline Lak	13.53	39		Pn	06 44 40.2	-1.5
SKLM	Skliak Lake	13.74	44		Pn	06 44 42.1	-1.6
SEW	Seward	13.88	46	Pn	Pn	06 44 43.4	-1.0
O22K	Cooper Landing	13.94	44		Pn	06 44 45.2	-0.6
SUA	Susitna One	14.03	40		Pn	06 44 47.5	+1.8
SKT	Skwentna	14.04	37	Pn	Pn	06 44 47.9	+0.7
J19K	Poorman	14.13	26	Pn	Pn	06 44 51.2	+0.6
PLLA	Purkeypile	14.38	34		Pn	06 44 56.0	+1.5
J20K	Novinta River	14.69	28		Pn	06 44 56.5	+0.8
PMR	Palmer	14.76	41	P	Pn	06 45 01.4	0.0
CAST	Castle Rocks	14.77	32	Pn	Pn	06 45 04.8	
SML	Sawmill	15.19	41	Iamb	Iamb	06 45 02.7	+0.5
SML				Iamb		06 45 07.9	
KTH	Kantishna Hill	15.25	33	Pn	Pn	06 45 03.4	-0.8
KTH				Iamb		06 45 06.4	-0.2
TRF	Thorofore Mtn	15.40	34	Pn	Pn	06 45 10.7	
BPWW	Bear Paw Mtn.	15.60	32		Pn	06 45 10.7	
BPWW				Iamb		06 45 10.7	
BPWW	comp=Z,53nm,1.0s			Iamb		06 45 10.7	

EYAK	Cordova Ski Ar	15.74	48	P	Pn	06 45 06.3	-2.2
COLA	College	17.13	33	P	Pn	06 45 25.3	-0.7
COLA	College	17.13	33	P	Pn	06 45 24.5	-1.5
ILAR	comp=Z,24nm,1.0s			P	Pn	06 45 27.1	-2.2
ILAR	Eielson Array	17.39	34	P	Pn	06 45 27.1	-2.2
ILAR	comp=Z,3.9nm,0.3s,baz=232,slow=11,SNR=16			P		06 45 27.1	-2.2
ILAR	comp=Z,1.7nm,0.7s			P		06 45 27.1	-2.2
PNL	Peninsula	18.54	54	P	AML	06 45 44.1	+0.7
PET	Petrovlovsk	19.25	286	P	P	06 45 50.0	-0.9
PET	Petrovlovsk	19.25	286	P	P	06 45 51.3	+0.4
PEAOB	Petrovlovsk	19.81	286	P	Iamb	06 45 56.5	-0.5
PEAOB				Iamb		06 45 58.2	
PETK	comp=Z,167nm,1.5s			P	P	06 45 56.9	-0.1
PETK	Petrovlovsk	19.81	286	P	P	06 45 56.9	-0.1
PETK	comp=Z,5.6nm,0.3s,baz=282,slow=12,SNR=102			P		06 45 56.9	-0.1
PETK	comp=Z,16nm,0.4s			P		06 45 56.9	-0.1
PETK				AML	AML	06 45 57.8	+0.3
DAWY	Dawson	19.86	41	P	P	06 45 59.6	+0.2
L29M	L29M	20.04	44	P	Pn	06 46 04.2	-1.0
O30N	Mendenhall	20.37	51	P	Pn	06 46 07.7	+0.4
SKAG	Skagway	20					

Table with columns: Station Name, Time, Azimuth, Distance, Magnitude, etc. Includes stations like BVAR Borovoye Array, MKAR Makanchi Array, ARTI Kirov, GOMU GeErMu, etc.

Table with columns: Station Name, Time, Azimuth, Distance, Magnitude, etc. Includes stations like MOX Moxa, HSKO Hora Svate Kat, UPJC Ujice, PVCC Panska Ves, etc.

Table with columns: Station Name, Time, Azimuth, Distance, Magnitude, etc. Includes stations like SQTA Sankt Quirin, SESA Seetaler Alpe, KBA Koelnbreinsper, etc.

ISC 10 06:48:41.6-0.6, 33.765x72.33W, h0km, mb4.2/13, mbtmp4.2/17, ML3.9/4, MS4.0/21, Error ellipse: s-maj=16.9km s-min=11.3km az=116.0 VAO 10 06:48:41.1-0.5, 33.688x72.54W, h10km, mb4.6, Presumed earthquake SJA 10 06:48:42.8-0.8, 33.725x72.56W, h39km, 4km, ML4.4, MW4.8 NEIC 10 06:48:42.1-0.7, 33.735x72.46W, h0.02, h9km, 5km, mb4.9/15, Mw4.5/32, Mw4.6(GUC), Error ellipse: s-maj=7.1km s-min=1.6km az=159.0 Moment Tensor Solution: Moment tensor: Scale 10^15Nm; M1:5.47; M2:0.28; M3:-5.7; M4:1.0; M5:-1.21; M6:-4.0; Fault plane solution: Mw7.0000\*10^15 NP1=29.16000; 631.63000, A.123.12000. NP2=171.70000, 663.94000; 1.71.40000. Principal axes: T 7.3132, Plg6.0000; Azm48.0000; N -0.2236, Plg17.0000; Azm180.0000; P -7.0896, Plg17.0000; Azm275.0000; NEIC 10 06:48:42.2, 33.745x72.46W, h11km GUC 10 06:48:42.6-0.8, 33.755x72.54W, h40km, 2km, ML4.3, Presumed earthquake GFZ 10 06:48:42.9-0.4, 34.52x7.2W, h10km, M4.8/12, mb4.9/12 ISC 10 06:48:40.0-0.9, 33.715x72.62W, h2km, 6km, n217, r154/251, mb4.8/24, MS4.1/21, 29C-1D, Off coast of central Chile Code Station Name Az Phase ID Time Res B003 Pichilemu 0.95 145/17 Op ICh h m s ISC B003 Pichilemu 0.95 145/17 I/S Sb 06 48 59.1 -1.4 06 49 11.2 -1.2



Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like Nanjing, PanZhihua, Hu-huo-hao-te.

NNC 10 06:54:57.5:1.6,51.98N:74.44E,h0km,mb2.8,mpv2.4, Error ellipse: s-maj=84.4km s-min=9.6km az=26.0, Suspected Mining explosion.

IDC 10 06:54:58.1:1.6,51.97N:74.37E,h0km,mbmp2.5/4, ML.1/4, Error ellipse: s-maj=20.8km s-min=14.1km az=15.0.

ISC 10 06:54:58.5:1.1,51.90N:0.09:74.43E:0.05,h0km,n9, r196/10,5C-3D,Central Kazakhstan

Main table for the first section with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like BVAR Borovoye Array, KURBB Kurchatov Arra, ZALV Zalesovo Beam.

CRAAG 10 07:12:33.1,35.50N:0.07E,Mi2.9,Algrie 08km NE Haicme

MDD 10 07:12:34.6:1.1,35.47N:0.17W,h0km,Mb3.6/12, M\_mb2.9/11, Error ellipse: s-maj=10.3km s-min=7.0km az=167.0.

ISC 10 07:12:34.3:3.3,35.70N:0.06:0.24W:0.06,h4km,26km, n23,r180/34,9C,Northern Algeria

Main table for the second section with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like ODJA Bouhanifia, ELGU Los Guajares, EQES Quesada.

IDC 10 07:18:22.0:1.4,37.39N:26.98E,h0km,mb3.7/4, mbmp3.6/5, ML3.0/1, MS3.7/1, Error ellipse: s-maj=131.3km s-min=20.7km az=144.0

THE 10 07:18:22.0,36°N:12°2'30"E:2.1,h14km,17km,M3.0/7, MLh3.0/7

ISK 10 07:18:23.2,36°26'N:28°06'E,h4km,ML3.2/12

AFAD 10 07:18:23.0,36°24'N:28°01'E,h20km,5km,MW3.4

ATH 10 07:18:23.2,36°22'N:28°05'E,h9km,2km,ML3.1/10, Latitude uncertainty: 2 km; Longitude uncertainty: 5 km

ISC 10 07:18:23.1:0.9,36.24N:0.02:28.02E:0.02,h5km,6km, n76,r18/109,mb3.5/3,Dodecanese Islands

Main table for the third section with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like ARG Arkhangelo, ARG Arkhangelos, ARG Arkhangelos.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like TURUNC, DAT, YAZI, YER.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like TURUNC, DAT, YAZI, YER.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like TURUNC, DAT, YAZI, YER.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like TURUNC, DAT, YAZI, YER.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like TURUNC, DAT, YAZI, YER.

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Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like KORT, ODEM, THERA.

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Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like KORT, ODEM, THERA.

Table with columns: RTZ, I/Amb, Date/Time, Name, and various numerical values. Includes stations like MORW Morawa, MORW Morawa, MORW Morawa, etc.

Table with columns: Name, Date/Time, Name, and various numerical values. Includes stations like MORW Morawa, MORW Morawa, MORW Morawa, etc.

Table with columns: Name, Date/Time, Name, and various numerical values. Includes stations like MORW Morawa, MORW Morawa, MORW Morawa, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like E083, E083, E083, etc.



Table with columns: Station Name, Value, Unit, and other identifiers. Includes stations like Datong, Fushanzhiwuyua, Nan Shan, Jichi Village, etc.

Table with columns: Station Name, Value, Unit, and other identifiers. Includes stations like Lidau, Donghe, Tsauling, Gukeng, Douliu, Longtian, Fanlu, Taoyuan, Guolierin Hig, etc.

Table with columns: Station Name, Value, Unit, and other identifiers. Includes stations like Oaxaca, Xicata, Vista Hermosa, Arroyo Zacate, Retalhuleu, Huehuetenango, etc.

Table with columns: Code, Station Name, Value, Unit, and other identifiers. Includes stations like Warramunga Arr, Alice Springs, Makanchi Array, etc.

Table with columns: Code, Station Name, Value, Unit, and other identifiers. Includes stations like Luwuk, Ampana, Ternate, Sanana, Sidrap Palu, etc.

Table with columns: Code, Station Name, Value, Unit, and other identifiers. Includes stations like Fitzroy Crossi, Warramunga Arr, Alice Springs, Makanchi Array, etc.

Table with columns: Code, Station Name, Value, Unit, and other identifiers. Includes stations like Matakaoa Point, Waiheke Island, Raukumara Rang, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like MTHZ Maungataniwha, TLZ Tolley Road, OUZ Omaha, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like MCLT Moule a Chique, SCLP Castries, St., SLBI Saint Lucia, B, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like BPAW Bear Paw Mtn., BPAW Telida, B20N Brown, etc.

VIE 10 08:36:27.2,0.3,50.07N,19.08E,h0km,mb2.2/4,m2.3/4, Error ellipse: s-maj=6.2km s-min=1.7km az=161.0 21 km SSE of Katowice Suspected Mining Induced.

IPEC 10 08:36:27.5,0.1,50.20N,19.03E,h1km,ML2.4/6, Error ellipse: s-maj=1.7km s-min=0.6km az=176.0

IDC 10 08:36:28.9,2.7,50.40N,18.78E,h0km,mbmp3.2/3, ML2.4/3, Error ellipse: s-maj=55.1km s-min=12.3km az=134.0

PRU 10 08:36:28.0,50.24N,19.00E,h0km, Error ellipse: s-maj=6.2km s-min=1.7km az=161.0 21 km SSE of Katowice Suspected Mining Induced.

IDC 10 08:51:47.1,7.1,6.61E,87N,150.04W,h0km,mb3.3/3, mbmp3.4/6,ML3.1/3, Error ellipse: s-maj=38.2km s-min=12.4km az=114.0

NEIC 10 08:51:46.4,1.2,62.05N,0.03E,150.53W,0.05,h52km,5km, ML3.5/210,ML3.3(AEIC), Error ellipse: s-maj=4.3km s-min=3.6km az=161.0

AEIC 10 08:51:47.1,1.2,62.04N,0.03E,150.51W,0.05,h51km,5km, Error ellipse: s-maj=4.2km s-min=2.4km az=144.0

ISC 10 08:51:46.4,0.9,62.03N,0.03E,150.53W,0.03,h58km,7km, n236,e0975/235,mb3.1/3,Central Alaska

IDC 10 08:51:47.1,7.1,6.61E,87N,150.04W,h0km,mb3.3/3, mbmp3.4/6,ML3.1/3, Error ellipse: s-maj=38.2km s-min=12.4km az=114.0

NEIC 10 08:51:46.4,1.2,62.05N,0.03E,150.53W,0.05,h52km,5km, ML3.5/210,ML3.3(AEIC), Error ellipse: s-maj=4.3km s-min=3.6km az=161.0

AEIC 10 08:51:47.1,1.2,62.04N,0.03E,150.51W,0.05,h51km,5km, Error ellipse: s-maj=4.2km s-min=2.4km az=144.0

ISC 10 08:51:46.4,0.9,62.03N,0.03E,150.53W,0.03,h58km,7km, n236,e0975/235,mb3.1/3,Central Alaska

Main station list table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like OJC Ojcow, OKC Ostrava-Krasne, STEB Steborice, etc.

Main station list table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like M22K Willow, M22K M22K, M22K M22K, etc.

Main station list table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like PAX PAX, CNPM China Pool, CNPM CNPM, etc.

TRN 10 08:51:21.7,13.55N,61.22W,h171km,MD3.7,North of St. Vincent, Windward Islands

TRN 10 08:51:21.7,13.55N,61.22W,h171km,MD3.7,North of St. Vincent, Windward Islands

TRN 10 08:51:21.7,13.55N,61.22W,h171km,MD3.7,North of St. Vincent, Windward Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like SVB Belmont, SVB Belmont, etc.



Table with columns for station name, coordinates, and status. Includes stations like WSI, PMSI, BANI, DBNI, etc.

Table with columns for station name, coordinates, and status. Includes stations like TAU, PALK, HHC, HHC, etc.

SJA 10 09:10:10.5:0.6,28.345:70.75W,h59km,4km,ML3.5, MW3.6

GUC 10 09:10:12.3:0.9,28.35S:70.60W,h64km,4km,ML3.6, Presumed earthquake

Table with columns for station name, coordinates, and status. Includes stations like AC04, AC04, AC05, etc.

Table with columns for station name, coordinates, and status. Includes stations like ACDD, ACDD, CO06, etc.

KRNET 10 09:14:56.2:0.1,41.96N:70.12E,h19km,mb2.6

ISU 10 09:14:57,41.85N:70.29E,h10km

Table with columns for station name, coordinates, and status. Includes stations like PSK, PSK, CHRV, etc.

SCB 10 09:17:55.7:1.3,20.61S:67.86W,h162km,14km,ML3.7/2, Error ellipse: s-maj=4.2km s-min=3.1km az=0.0, Southern Bolivia

Table with columns for station name, coordinates, and status. Includes stations like PB08, PB08, GO01, etc.

IDC 10 09:29:14.0:0.3,1.71N:129.17E,h0km,mb3.6/4, mbmtmp3.6/4, Error ellipse: s-maj=264.5km s-min=23.0km az=69.0, Halmahera

Table with columns for station name, coordinates, and status. Includes stations like WRA, WRA, ASAR, etc.

AUST 10 09:57:01.8:0.3,35'S:2'137E, h10km, mb3.7/1, ML2.5/1.3, Error ellipse: s-maj=5.5km s-min=4.2km az=70.2, confirmed, Near coast of South Australia

Table with columns for station name, coordinates, and status. Includes stations like AUCAS, AUCAS, AUCAS, etc.









10d 11h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like 029M Mount Kennedy, 031M Satah River, etc.

2020 OCT

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like ADK Adak, KWBW Kanaga Island, etc.

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Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like MSTX Muleshoe, HSGH Hesperia, etc.

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, SNR, and other parameters. Includes stations like FINES, HBSF, HNS, MTO3, ARTI, etc.

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, SNR, and other parameters. Includes stations like FETA, KBA, ARSA, SESA, BURAR, etc.

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, SNR, and other parameters. Includes stations like KBUK, YENC, ILGA, PELI, GOKD, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Cifteler, Kizilcal, Serdivan-Sakar, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FITZ, WRA, WRA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like APSI, APSI, LUWI, LUWI, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ASAR, ASAR, SONMI, SONMI, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KURBB, KURBB, ZALV, ZALV, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VA02, VA02, VA02, etc.

Table with columns: RPN, Station Name, Time, Res, Pn. Includes stations like Rapa Nui, Rapa Nui, Rapa Nui, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Location, and other details. Includes stations like PB02, TA01, MCRA, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Location, and other details. Includes stations like ROSC, RSCG, RSCB, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Location, and other details. Includes stations like MNTX, MQZ, PMNB, etc.

10d 13h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MSVF, Nonsavu, ISA, SHOC, CLC, etc.

2020 OCT

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SUTB, NLU, T42A, S39A, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like P46A, HLID, HLID, etc.



MGCD Mangrove Creek	comp=Z,78nm,0.9s,comp=Z,0.0nm,1.2s	79.91 238	P	P	13 27 05.5 -0.9
CASY Casey	79.92 196	P	P	13 27 05.6 -0.2	
CASY Casey	79.92 196	IAMS_20	IAMS_20	13 27 28.6	
CASY Casey	79.92 196	P	P	13 27 06.2 +0.4	
L64A Middleborough	79.97 30	IAMS_20	IAMS_20	13 59 31.8	
CAN Canberra	80.47 235	P	P	13 27 09.6 +0.1	
CAN Canberra	80.47 235	P	P	13 27 08.3 -1.2	
CAN Canberra	80.47 235	Iamb	Iamb	13 27 18.8	
CAN Canberra	80.47 235	IAMS_20	IAMS_20	13 54 21.8	
SYO Syowa Base	80.49 170	iPcP	P	13 27 08.8 0.0	
SYO Syowa Base	80.49 170	ePKIKP	PKIKP	13 32 34.4 -2.5	
ARMA Armidale	80.80 240	P	P	13 27 11.3 -0.1	
ARMA Armidale	80.80 240	P	P	13 27 09.1 -2.3	
BBB Bella Bella	81.65 350	LR	LR	13 55 54.9	
BBB Bella Bella	81.65 350	P	P	13 27 17.6 +2.6	
TOO Toolangi	81.85 232	P	P	13 27 14.9 -1.9	
TOO Toolangi	81.85 232	P	P	13 27 14.3 -2.5	
TOO Toolangi	81.85 232	P	P	13 27 14.3 -2.5	
TRQ Mont Tremblant	81.98 25	Iamb	Iamb	13 27 24.3	
FFC Flin Flon	83.48 6	IAMS_20	IAMS_20	14 00 57.1	
FFC Flin Flon	83.48 6	P	P	13 27 24.2 -0.3	
HNR Honiara	83.59 263	LR	LR	13 56 40.8	
EIDS Eidsvold	83.60 245	P	P	13 27 25.2 -0.8	
EIDS Eidsvold	83.60 245	P	P	13 27 26.6 +0.6	
EIDS Eidsvold	83.60 245	P	P	13 27 24.5 -1.5	
MAW Mawson	84.00 178	P	P	13 27 27.9 +0.7	
MAW Mawson	84.00 178	P	P	13 27 27.7 +0.5	
MAW Mawson	84.00 178	P	P	13 27 27.1 -0.1	
MAW Mawson	84.00 178	P	P	14 02 46.6	
MAW Mawson	84.00 178	P	P	13 27 26.7 -0.5	
MAW Mawson	84.00 178	P	P	13 27 26.7 -0.5	
MAW Mawson	84.00 178	P	P	13 27 27.9 +0.7	
MIDW Midway	84.10 306	IAMS_20	IAMS_20	13 59 23.5	
E62A Clayton Lake	84.29 28	Iamb	Iamb	13 27 47.4	
LMQ La Malbaie	84.71 27	Iamb	Iamb	13 27 38.1	
CMSA Cobar Meteorol	84.72 237	P	P	13 27 31.5 -0.1	
CMSA Cobar Meteorol	84.72 237	P	P	13 27 31.5 -0.1	
ARPS Mount Arapiles	84.77 231	P	P	13 27 31.2 -0.5	
D62A Allappint, All	84.86 28	Iamb	Iamb	13 27 38.6	
T35M Bob Quinn	86.62 350	Iamb	Iamb	13 28 03.7	
T35M Bob Quinn	86.62 350	IAMS_20	IAMS_20	13 58 32.8	
STKA Stephens Creek	87.53 235	P	P	13 27 45.2 -0.4	
STKA Stephens Creek	87.53 235	P	P	13 27 44.7 -0.8	
STKA Stephens Creek	87.53 235	P	P	13 27 44.0 -1.5	
STKA Stephens Creek	87.53 235	P	P	13 27 45.3 -0.4	
S32K Killisnoo	87.79 348	IAMS_20	IAMS_20	13 59 36.0	
DLBC Dease Lake	87.99 351	LR	LR	14 01 00.5	
QLP Quilpie	88.35 241	P	P	13 27 49.6 +0.1	
QLP Quilpie	88.35 241	P	P	13 27 50.2 +0.7	
S31K Pelican	88.56 348	IAMS_20	IAMS_20	13 57 54.4	
CTA Charters Tower	90.07 247	LR	LR	14 00 52.2	
CTAO Charters Tower	90.07 247	P	P	13 27 55.1 -2.6	
CTAO Charters Tower	90.07 247	P	P	13 27 55.1 -2.6	
CTAO Charters Tower	90.07 247	P	P	13 27 58.3 +0.6	
INKA Innamincka	90.37 238	P	P	13 27 58.7 -0.3	
YKA Yellowknife Ar	90.82 359	P	P	13 27 59.9 0.0	
YKA Yellowknife Ar	90.82 359	LR	LR	14 04 19.7	
H11S2 WAKE ISLAND Hy	91.13 290	T	T	15 08 58.7	
H11S1 WAKE ISLAND Hy	91.14 290	T	T	15 08 52.1	
H11S3 WAKE ISLAND Hy	91.14 290	T	T	15 08 52.4	
O30N Mendenhall	91.17 349	IAMS_20	IAMS_20	14 02 47.3	
O29N Mount Kennedy	91.19 347	IAMS_20	IAMS_20	14 00 27.9	
P3M Pinnacle	91.34 346	IAMS_20	IAMS_20	14 00 42.8	
H11N3 WAKE ISLAND Hy	91.56 292	T	T	15 09 31.7	
H11N1 WAKE ISLAND Hy	91.58 292	T	T	15 09 28.5	
H11N2 WAKE ISLAND Hy	91.58 292	T	T	15 09 23.6	
N31M Braeburn, Yuku	91.79 349	IAMS_20	IAMS_20	14 04 30.6	
SCHO Schefferville	91.84 24	P	P	13 28 05.3 +0.4	
SCHO Schefferville	91.84 24	LR	LR	14 06 01.5	
YAH Yahtse	91.90 346	IAMS_20	IAMS_20	14 00 10.6	
O28M Mount Upton	91.94 347	Iamb	Iamb	13 28 21.1	
O28M Mount Upton	91.94 347	IAMS_20	IAMS_20	14 01 58.8	
N30M Aishikik Lake	91.99 348	IAMS_20	IAMS_20	14 03 11.0	
LOGN Logan Glacier	92.16 346	IAMS_20	IAMS_20	14 01 56.4	
GRNC Granite Creek	92.23 346	IAMS_20	IAMS_20	14 00 21.4	
M31M Drury Creek, Y	92.24 350	IAMS_20	IAMS_20	14 01 52.5	
KDAK Kodiak Island	92.48 340	LR	LR	14 00 57.9	
KDAK Kodiak Island	92.48 340	iP	iP	13 28 08.3 +0.6	
TGL Tana Glacier	92.49 346	IAMS_20	IAMS_20	13 59 43.1	
BARN Barnard Glacier	92.51 346	Iamb	Iamb	13 28 18.7	
BARN Barnard Glacier	92.51 346	IAMS_20	IAMS_20	14 02 04.7	
CRQM Cirque	92.56 345	Iamb	Iamb	13 28 15.6	
CRQM Cirque	92.56 345	IAMS_20	IAMS_20	13 59 44.6	

MTSU Mount Surprise	92.64 248	P	P	13 28 10.3 +0.6
MTSU Mount Surprise	92.64 248	P	P	13 28 10.0 +0.3
MTSU Mount Surprise	92.64 248	P	P	13 28 10.2 +0.6
PATS Pohnphei	92.69 276	IAMS_20	IAMS_20	14 00 26.9
RABL Rabaul	92.86 264	P	P	13 28 09.3 -1.4
KRVT Kravut (ASO76	92.93 264	LR	LR	14 02 18.4
HIN Hinchinbrook I	93.02 344	IAMS_20	IAMS_20	14 00 31.4
VRDI Verde Repeater	93.05 345	IAMS_20	IAMS_20	14 03 16.9
BMRM Bremner River	93.07 345	Iamb	Iamb	13 28 13.5
BMRM Bremner River	93.07 345	IAMS_20	IAMS_20	13 59 08.7
MCARA McCarthy VSAT	93.09 346	IAMS_20	IAMS_20	13 59 53.1
M29M Somme Creek	93.15 348	IAMS_20	IAMS_20	14 02 02.6
GLB Gilahina Butte	93.32 345	IAMS_20	IAMS_20	14 02 51.1
FID Fort Fidalgo	93.33 344	IAMS_20	IAMS_20	13 59 48.6
DIV Divide	93.49 344	IAMS_20	IAMS_20	14 00 18.7
SEW Seward	93.53 342	IAMS_20	IAMS_20	14 00 20.7
CNPM China Poot	93.53 341	Iamb	Iamb	13 28 19.8
GLI Glacier Island	93.59 344	IAMS_20	IAMS_20	14 00 17.3
L29M L29M	93.71 349	IAMS_20	IAMS_20	14 02 41.4
KLU Klutina	93.84 345	IAMS_20	IAMS_20	14 00 19.0
PWL Port Wells	93.88 343	Iamb	Iamb	13 28 24.2
PWL Port Wells	93.88 343	IAMS_20	IAMS_20	14 00 55.0
O22K Cooper Landing	93.92 342	IAMS_20	IAMS_20	14 00 34.1
M26K Nabesna, AK	94.00 346	IAMS_20	IAMS_20	14 00 35.1
SLKM Skliak Lake	94.07 342	IAMS_20	IAMS_20	14 00 39.3
K29M Barlow Dome	94.29 349	Iamb	Iamb	13 28 34.3
K29M Barlow Dome	94.29 349	IAMS_20	IAMS_20	14 06 14.6
BCAR Beaver Creek A	94.35 347	P	P	13 28 14.2 -2.2
RKNI Knik Glacier	94.39 343	IAMS_20	IAMS_20	14 01 12.4
RCO1 Rabbit Creek A	94.44 343	IAMS_20	IAMS_20	14 01 10.8
ILSW Iliamna Southw	94.45 341	Iamb	Iamb	13 28 26.7
HARP HAARP	94.46 345	IAMS_20	IAMS_20	14 00 55.4
SCM Sheep Creek Mo	94.47 344	IAMS_20	IAMS_20	14 01 49.6
UNV Unalaska Valle	94.55 331	IAMS_20	IAMS_20	14 00 30.2
L26K Log Cabin Wild	94.63 346	IAMS_20	IAMS_20	14 03 42.8
PMG Port Moresby	94.66 257	LR	LR	14 04 17.0
PMG Port Moresby	94.66 257	iP	iP	13 28 21.1 +2.1
PMG Port Moresby	94.66 257	P	P	13 28 21.1 +2.1
PMG Port Moresby	94.66 257	P	P	14 04 15.4
SML Sawmill	94.69 344	IAMS_20	IAMS_20	14 00 32.5
RED Redoubt Volcan	94.70 341	Iamb	Iamb	13 28 24.0
PMR Palmer	94.71 343	Iamb	Iamb	13 28 24.5
J30M Hart River	94.78 350	IAMS_20	IAMS_20	14 02 34.6
GHO Glory Hole Cre	94.81 343	Iamb	Iamb	13 28 25.6
GHO Glory Hole Cre	94.81 343	IAMS_20	IAMS_20	14 01 35.6
P17K Kvichak River	94.82 339	P	P	13 28 17.2 -1.3
P17K Kvichak River	94.82 339	Iamb	Iamb	13 28 25.4
O18K Koktuh Hills	94.96 340	Iamb	Iamb	13 28 25.4
J29N Klondike Camp	94.97 349	IAMS_20	IAMS_20	14 06 09.6
O19K Port Alsworth	94.97 340	IAMS_20	IAMS_20	14 01 07.0
USA Susitna One	95.02 343	IAMS_20	IAMS_20	14 01 30.2
PAX Paxside	95.04 345	IAMS_20	IAMS_20	14 03 57.5
M22K Willow	95.10 343	IAMS_20	IAMS_20	14 01 13.3
QIS Mount Isa	95.13 243	P	P	13 28 20.6 -0.4
QIS Mount Isa	95.13 243	P	P	13 28 20.6 -0.4
SPU Mount Spurr	95.13 342	P	P	13 28 18.3 -1.7
K27K Chicken Camp	95.28 347	IAMS_20	IAMS_20	14 04 40.8
DOT Dot Lake	95.33 346	P	P	13 28 18.4 -2.4
I03M Mount Dempster	95.39 350	IAMS_20	IAMS_20	14 02 53.8
DHY Denali Highway	95.56 345	Iamb	Iamb	13 28 39.8
DHY Denali Highway	95.56 345	IAMS_20	IAMS_20	14 01 57.3
RIDG Independent RI	95.58 346	IAMS_20	IAMS_20	14 02 17.9
H31M Peel River	95.65 351	IAMS_20	IAMS_20	14 05 26.6
SKT Skwentna	95.66 343	Iamb	Iamb	13 28 28.6
SKT Skwentna	95.66 343	IAMS_20	IAMS_20	14 02 02.0
O16K Kokwok River B	95.66 339	Iamb	Iamb	13 28 28.5
O16K Kokwok River B	95.66 339	IAMS_20	IAMS_20	14 03 53.2
I29M Chulitna	95.69 343	IAMS_20	IAMS_20	14 01 41.8
CUT Ogilvie Camp	95.83 349	IAMS_20	IAMS_20	14 04 39.3
N18K Kilae Creek	95.83 340	IAMS_20	IAMS_20	14 01 51.6
K24K Donnelly Dome	95.83 346	IAMS_20	IAMS_20	14 04 48.6
O15K Ungalikthiuk R	95.91 338	IAMS_20	IAMS_20	14 03 12.9
SACV Santiago Islan	95.91 76	IAMS_20	IAMS_20	14 05 36.5
M20K Styx River	96.01 342	IAMS_20	IAMS_20	14 02 13.3
I28M Miner Creek	96.18 349	IAMS_20	IAMS_20	14 04 17.6
RND Reindeer	96.19 344	P	P	13 28 22.5 -2.3
RND Reindeer	96.19 344	P	P	13 28 22.5 -2.3
RND Reindeer	96.19 344	Iamb	Iamb	13 28 37.1
RND Reindeer	96.19 344	IAMS_20	IAMS_20	14 01 54.0
M19K Big River Lodg	96.37 341	IAMS_20	IAMS_20	14 03 03.0
O14K Trigyuakuiwet M	96.45 337	IAMS_20	IAMS_20	14 03 39.1
J25K Salcha River	96.46 346	Iamb	Iamb	13 28 32.5
J25K Salcha River	96.46 346	IAMS_20	IAMS_20	14 04 49.1
MCK McKinley	96.49 345	Iamb	Iamb	13 28 32.2
MCK McKinley	96.49 345	IAMS_20	IAMS_20	14 02 02.9
EPYK Eagle Plains	96.52 350	IAMS_20	IAMS_20	14 03 50.6
TRF Thorofare Moun	96.57 414	IAMS_20	IAMS_20	14 02 33.2

PPLA Purkeypile	96.59 343	IAMS_20	IAMS_20	14 02 10.7
I27K Handik River	96.61 348	IAMS_20	IAMS_20	14 04 10.2
HDA Harding Lake	96.62 346	IAMS_20	IAMS_20	14 05 23.3
I26K Coal Creek Min	96.63 347	IAMS_20	IAMS_20	14 03 29.8
L20K Farewell AK	96.70 342	IAMS_20	IAMS_20	14 02 34.6
G31M Satah River	96.70 351	IAMS_20	IAMS_20	14 05 55.3
L19K White Mountain	96.73 341	IAMS_20	IAMS_20	14 02 24.4
N15K Kwethluk River	96.75 338	IAMS_20	IAMS_20	14 02 51.1
KTH Kantishna	96.81 344	IAMS_20	IAMS_20	14 02 50.6
ILAR Eielson Array	96.92 346	P	P	13 28 28.1 +0.1
ILAR Eielson Array	96.92 346	LR	LR	14 03 19.2
ILAR Eielson Array	96.92 346	P	P	13 28 26.4 -1.6
WRH Wood River Hill	96.92 345	Iamb	Iamb	13 28 38.2
WRH Wood River Hill	96.92 345	IAMS_20	IAMS_20	14 05 13.5
ATKA Atka Island	96.94 327	IAMS_20	IAMS_20	14 03 20.8
BWN Brown	96.98 345	IAMS_20	IAMS_20	14 02 29.0
CAST Castle Rocks	96.99 343	Iamb	Iamb	13 28 34.3
CAST Castle Rocks	96.99 343	IAMS_20	IAMS_20	14 02 24.4
CCB Clear Creek Bu	97.01 345	Iamb	Iamb	13 28 38.3
CCB Clear Creek Bu	97.01 345	IAMS_20	IAMS_20	14 05 24.7
G30M Atoh Zraii NJ	97.02 351	IAMS_20	IAMS_20	14 04 18.8
N14K Kuskokwak Cree	97.09 337	IAMS_20	IAMS_20	14 04 00.3
H27K Steamboat Moun	97.17 348	Iamb	Iamb	13 28 39.0
COLA College	97.22 346	iP	iP	13 28 27.9 -1.4
COLA College	97.22 346	P	P	13 28 28.8 -0.5
COLA College	97.22 346	P	P	13 28 29.4
NEA2 Nenana	97.25 345	Iamb	Iamb	13 28 39.4
NEA2 Nenana	97.25 345	IAMS_20	IAMS_20	14 03 50.1
L18K Granite Mounta	97.28 341	IAMS_20	IAMS_20	14 03 11.1
BPAW Bear Paw Mtn.	97.29 344	IAMS_20	IAMS_20	14 02 56.1
POKR Poker Flat Res	97.34 346	IAMS_20	IAMS_20	14 03 50.3
K20K Telida	97.46 342	IAMS_20	IAMS_20	14 03 18.6
F30M Barrier River	97.55 351	IAMS_20	IAMS_20	14 04 05.8
P08K Saint George I	97.71 332	IAMS_20	IAMS_20	



Table with columns for station name, frequency, and various signal quality metrics (e.g., SNR, S/N, etc.). Includes stations like MOS, ZAK, GYA, FURI, etc.

Table with columns for station name, frequency, and various signal quality metrics. Includes stations like GOMU, KURK, KURBB, ZSN, etc.

Table with columns for station name, frequency, and various signal quality metrics. Includes stations like KRLC, KRALIKY, RUEDERSDORF, etc.

DNK 10 13:25:59.6:1.7, 51:61N:16:20E, h0km, ML2.5, Suspected explosion
GFZ 10 13:26:00.5:0.3, 52:1N:3:17E, h1km, M3.7/41, mb3.8/4, ML3.5/41, Error ellipse: s-maj=6.9km s-min=3.8km az=37.4, confirmed
IDC 10 13:26:00.2:0.8, 51:60N:16:14E, h0km, mb3.6/1, mbmp3.4/9, ML3.1/7, Error ellipse: s-maj=11.9km s-min=8.3km az=110.0

10d 15h

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KHC Kasperske Hory, MOX Moxa, GEC2 GERES Array S, etc.

2020 OCT

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WTTA Acomizta, ACOM Acomizta, WTTA Mosaal, etc.

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Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 10:15:04.39, ISC 10:15:04.36, WTTA Acomizta, etc.



IDC 10 17:04:15.4-0.9,3.29S;79.27W,h0km,mb3.4/4, mbtmp3.7/8,ML3.7/4,Error ellipse: s-maj=35.7km s-min=14.7km az=71.0

IGQ 10 17:04:25.6-0.3,4.3S;2.79W,h65km,3km,M4.2/20, Mjma4.1/19,ML4.4/20,MLv4.1/15,Ms(BB)4.2/12

ISC 10 17:04:24.4-0.8,3.56S;0.04-79.10W,0.05,h84km,6km, n44,0.1520/53,mb3.4/4,Near coast of Ecuador

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res, ISC. Lists various seismic stations and their recorded data.

ROM 10 17:11:11.5-0.0,42.966N,0.002:13.199E,0.004, h8km,ML3.1/80,Error ellipse: s-maj=0.2km s-min=0.2km az=71.0

SARA 10 17:11:12.0-0.3,42.913N,0.002:13.190E,0.002, h0km,ML3.6/8,Mwp3.3/8

LDG 10 17:11:13.5-0.2,42.78N,13.24E,h10km,ML3.1/3,Error ellipse: s-maj=6.4km s-min=4.4km az=49.0

PRU 10 17:11:14.3,42.99N,13.62E,h10km

ISC 10 17:11:11.6-0.7,42.90N,0.01:13.22E,0.02,h12km,4km, n106,0.118/188,13C-9D,Central Italy

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res, ISC. Lists various seismic stations and their recorded data.

Main table with columns: Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res, ISC. Lists various seismic stations and their recorded data.

Main table with columns: Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res, ISC. Lists various seismic stations and their recorded data.



Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like FOSV Fossato di Vic, CIMA TRTR Tortoreto Alta, GIGS Cesi, and many others.

Table with columns: Code, Station Name, Azimuth, Elevation, and other technical details. Includes stations like ATPI, CSO1 Caroli, MGAB Montegabbione, and many others.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like KOUNC Koumac, YATNC Mamie plateau, DZM Mont Dzumac, and many others.

BUJ 10 17:19:49.2, 15:65S, 168:35E, h181km, mb4.8/6, mb4.7/31
NOU 10 17:19:52.5, 15:67S, 167:97E, h187km, mb4.7/66,
Vanuatu Islands
NEIC 10 17:19:52.5-2.2, 15:77S, 0:06-167:97E, 0:09, h184km, 4km,
mb4.8/82, Error ellipse: s-maj=13.0km s-min=8.5km
az=74.0
IDC 10 17:19:54.1±0.8, 15:73S±167.83E, h199km, 7km, mb4.0/20,
mbmp4.5/22, Error ellipse: s-maj=13.4km s-min=9.6km
az=91.0
ISC 10 17:19:52.8-0.5, 15:73S±0:04±167:92E±0:06, h191km, 3km,
h191km: pP-P, n237, e1921/251, mb4.7/73, 1C-6D, Vanuatu



BWNR	Bhubaneswar	8.42 240	eP	Pn	17 40 00.4	+0.1	GZH2	comp=Z,1µm,6.6s	L	L	PDGK	Podgornoye	21.95 332	P	P	17 42 49.8	-0.6		
VLK	Valkinagar	9.14 290	eP	Pn	17 40 09.5	-0.8	comp=Z,4µm,9.7s	JMU	Jammu	18.34 301	ex	IAMB	PDGK	Podgornoye	21.95 332	P	P	17 42 49.8	-0.6
GKPR	Gorakhpur	9.40 285	eP	Pn	17 40 12.3	-1.5	comp=Z,3µm,0.6s	JMU	Jammu	18.34 301	ex	IAMB	PDGK	Podgornoye	21.95 332	P	P	17 42 51.1	+0.7
UTTA	Uttaradi	9.44 135	p	Pn	17 40 14.6	+0.2	comp=Z,3.3nm,comp=Z,179nm,0.4s	DLV	Lat	18.93 129	P	Pn	UZB	Uzynbulak	22.02 331	eS	S	17 42 52.0	+0.9
SLVN	Son La	10.04 107	P	Pn	17 40 24.9	+2.2	BSI	Banda Aceh	19.10 175	P	Pn	UZB	Uzynbulak	22.02 331	eS	S	17 46 53.1	+1.9	
SLVN	Son La	10.04 107	P	Pn	17 40 22.5	-0.2	LYN	LuoYang	19.12 55	P	Pn	HNS	HongShan	22.05 50	ijP	P	17 42 52.0	+0.9	
SLVN	Son La	10.04 107	P	Pn	17 40 24.3	+1.6	LYN	LuoYang	19.12 55	P	Pn	HNS	HongShan	22.05 50	ijP	P	17 46 52.8	+1.4	
SLVN	Son La	10.04 107	P	Pn	17 40 24.4	+1.7	LYN	LuoYang	19.12 55	P	Pn	HNS	HongShan	22.05 50	ijP	P	17 43 06.3	+1.0	
RAGD	RAYAGADA	10.83 242	eP	Pn	17 40 32.9	-0.6	LYN	LuoYang	19.12 55	P	Pn	HNS	HongShan	22.05 50	ijP	P	17 46 49.1	-2.5	
CD2	Chengdu	10.95 53	S	Sn	17 40 34.5	-0.5	LYN	LuoYang	19.12 55	P	Pn	HNS	HongShan	22.05 50	ijP	P			
CD2	Chengdu	10.95 53	S	Sn	17 42 36.6	+0.5	LYN	LuoYang	19.12 55	P	Pn	HNS	HongShan	22.05 50	ijP	P			
CD2	comp=Z,30nm,0.5s		L	L			LYN	comp=Z,21nm,0.9s				HNS	comp=Z,29nm,1.0s		L	L			
CD2	comp=Z,18µm,12.0s		L	L			LYN	comp=Z,340nm,7.3s				HNS	comp=Z,3µm,18.8s		L	L			
CD2	comp=Z,13µm,14.5s		L	L			LYN	comp=Z,8µm,23.7s				HNS	comp=Z,2µm,17.3s		L	L			
CD2	comp=Z,9µm,10.8s		L	L			LYN	comp=Z,5µm,20.6s				HNS	comp=Z,2µm,10.8s		L	L			
GOMU	GeErMu	11.57 5	P	Pn	17 40 41.9	-1.9	LYN	comp=Z,2µm,10.7s				HHC	Hu-ho-ho-te	22.06 39	ijP	P	17 42 52.0	+0.5	
GOMU	GeErMu	11.57 5	P	Pn	17 42 45.9	-5.8	WHN	Wuhan	19.30 68	P	Pn	HHC	Hu-ho-ho-te	22.06 39	ijP	P	17 46 47.4	-4.5	
GOMU	comp=Z,39nm,0.8s		L	L			WHN	Wuhan	19.30 68	P	Pn	HHC	Hu-ho-ho-te	22.06 39	ijP	P			
GOMU	comp=Z,2µm,8.2s		L	L			WHN	Wuhan	19.30 68	P	Pn	HHC	Hu-ho-ho-te	22.06 39	ijP	P			
GOMU	comp=Z,3µm,8.3s		L	L			WHN	Wuhan	19.30 68	P	Pn	HHC	Hu-ho-ho-te	22.06 39	ijP	P			
GOMU	comp=Z,1µm,8.0s		L	L			WHN	Wuhan	19.30 68	P	Pn	HHC	Hu-ho-ho-te	22.06 39	ijP	P			
PTH	Pithoragarh	12.91 295	eP	Pn	17 40 57.8	-4.1	WHN	Wuhan	19.30 68	P	Pn	HHC	Hu-ho-ho-te	22.06 39	ijP	P	17 42 50.9	-1.4	
PTH	Pithoragarh	12.91 295	eP	Pn	17 41 01.4		WHN	Wuhan	19.30 68	P	Pn	HHC	Hu-ho-ho-te	22.06 39	ijP	P			
FRKB	FARRUKHABAD	12.91 285	eP	Pn	17 40 58.7	-3.1	WHN	Wuhan	19.30 68	P	Pn	HHC	Hu-ho-ho-te	22.06 39	ijP	P			
FRKB	FARRUKHABAD	12.91 285	eP	Pn	17 41 02.4		WHN	Wuhan	19.30 68	P	Pn	HHC	Hu-ho-ho-te	22.06 39	ijP	P			
PBA	Port Blair	12.94 184	P	Pn	17 41 00.2	-2.0	SALM	Salem	19.52 231	eP	Pn	KDJ	Kajisay	22.12 326	P	P	17 42 50.9	-1.4	
PBA	Port Blair	12.94 184	P	Pn	17 40 59.0	-3.2	KAD	Karadi	19.53 252	ex	Pn	KDJ	Kajisay	22.12 326	P	P	17 42 54.4	+1.1	
PBA	Port Blair	12.94 184	P	Pn	17 41 01.3	-0.9	LHMI	Lhok Sumawe	19.56 170	P	Pn	KDJ	Kajisay	22.12 326	P	P	17 46 56.8	+1.8	
LGTI	Lohaghat	12.94 294	eP	Pn	17 40 58.5	-3.9	LHMI	Lhok Sumawe	19.56 170	P	Pn	KDJ	Kajisay	22.12 326	P	P	17 42 54.8	+1.1	
JHNI	Jhansi	13.61 277	eP	Pn	17 41 05.9	-5.5	LHMI	Lhok Sumawe	19.56 170	P	Pn	KDJ	Kajisay	22.12 326	P	P	17 46 56.8	+1.8	
JHNI	Jhansi	13.61 277	eP	Pn	17 41 07.7		LHMI	Lhok Sumawe	19.56 170	P	Pn	KDJ	Kajisay	22.12 326	P	P	17 42 52.2	-0.7	
NGP	Nagpur	13.85 258	eP	Pn	17 41 11.8	-2.9	LHMI	Lhok Sumawe	19.56 170	P	Pn	KDJ	Kajisay	22.12 326	P	P	17 42 52.1	-1.7	
LZDM	Lanzhou Array	14.24 35	Ph	Pn	17 41 18.6	-1.6	LHMI	Lhok Sumawe	19.56 170	P	Pn	KDJ	Kajisay	22.12 326	P	P	17 43 04.9	+1.1	
LZDM	baz=218,slow=9.0		LR	LR	17 47 46.7		LHMI	Lhok Sumawe	19.56 170	P	Pn	KDJ	Kajisay	22.12 326	P	P	17 46 57.8	+1.0	
LZDM	comp=Z,4µm,18.0s, baz=220,slow=42		LR	LR	17 47 46.7		LHMI	Lhok Sumawe	19.56 170	P	Pn	KDJ	Kajisay	22.12 326	P	P	17 42 53.8	-0.6	
LZH	Lanzhou	14.42 35	P	Pn	17 41 20.3	-2.1	WMQ	comp=Z,39nm,1.1s				KDJ	Kajisay	22.12 326	P	P	17 42 55.2	+0.8	
LZH	Lanzhou	14.42 35	P	Pn	17 41 32.4	+4.4	WMQ	comp=Z,750nm,4.1s				KDJ	Kajisay	22.12 326	P	P	17 42 53.8	-1.6	
LZH	comp=Z,42nm,0.7s		pP	pmax			WMQ	comp=Z,2µm,12.1s				KDJ	Kajisay	22.12 326	P	P	17 43 13.8		
LZH	comp=Z,160nm,1.3s		pmax	pmax			WMQ	comp=Z,5µm,13.5s				KDJ	Kajisay	22.12 326	P	P	17 42 55.1	-0.3	
LZH	comp=Z,1µm,4.8s		L	L			NIL	Nilore	19.89 301	P	P	KPKS	Kokpek	22.42 331	eP	P	17 42 56.2	+0.8	
LZH	comp=Z,7µm,10.7s		L	L			NIL	Nilore	19.89 301	P	P	KPKS	Kokpek	22.42 331	eP	P	17 42 56.3	+0.8	
LZH	comp=Z,8µm,10.3s		L	L			NIL	Nilore	19.89 301	P	P	KNMB	Chin-men Tao	22.54 85	eP	P	17 42 55.8	+1.2	
LZH	comp=Z,6µm,11.7s		L	L			NIL	Nilore	19.89 301	P	P	TRD	Trid	22.58 228	IAMB	IAMB	17 43 10.3		
UTK	UTTARKASHI	14.73 298	eP	Pn	17 41 25.5	-0.9	NIL	Nilore	19.89 301	P	P	ULHL	Ulhal	22.69 325	P	P	17 43 01.5	+3.1	
BHPL	Bhopal	14.86 268	eP	Pn	17 41 24.3	-3.8	NIL	Nilore	19.89 301	P	P	TNS5	Tian-Shan	22.91 327	eP	P	17 43 01.4	+0.5	
BHPL	Bhopal	14.86 268	eP	Pn	17 41 26.4		KULM	Kulim	20.39 159	P	P	TNS5	Tian-Shan	22.91 327	eP	P	17 43 02.0	+1.0	
BHPL	comp=Z,128nm,0.5s		ex	x	17 43 57.5		KULM	Kulim	20.39 159	P	P	MDOK	Medeo	22.95 328	eS	S	17 47 08.9	+1.5	
ENH	Enshi	15.17 65	P	P	17 41 34.7	-1.5	KULM	Kulim	20.39 159	P	P	MDOK	Medeo	22.95 328	eS	S	17 43 02.0	+1.0	
ENH	Enshi	15.17 65	Ph	Pn	17 41 31.3	+0.8	KULM	Kulim	20.39 159	P	P	MDOK	Medeo	22.95 328	eS	S	17 43 02.0	+1.0	
KLP	Kaipa	15.18 300	P	Pn	17 41 28.1	-4.4	KULM	Kulim	20.39 159	P	P	MDOK	Medeo	22.95 328	eS	S	17 43 00.7	-1.1	
GULI	GulLin	15.22 84	S	Sn	17 41 38.0	+1.2	WUS	Wushi	20.41 327	P	P	BOOM	Boomsokoye usch	23.02 325	P	P	17 43 00.7	-1.1	
GULI	GulLin	15.22 84	S	Sn	17 44 22.0	+1.8	WUS	Wushi	20.41 327	P	P	BOOM	Boomsokoye usch	23.02 325	P	P	17 43 26.5		
GULI	comp=Z,41nm,1.2s		L	L			WUS	Wushi	20.41 327	P	P	BOOM	Boomsokoye usch	23.02 325	P	P	17 43 02.7	+0.8	
GULI	comp=Z,10µm,15.2s		L	L			WUS	Wushi	20.41 327	P	P	BOOM	Boomsokoye usch	23.02 325	P	P	17 43 02.7	+0.8	
GULI	comp=Z,1µm,10.8s		L	L			WUS	Wushi	20.41 327	P	P	BOOM	Boomsokoye usch	23.02 325	P	P	17 43 02.7	+0.8	
GULI	comp=Z,3µm,12.0s		L	L			WUS	Wushi	20.41 327	P	P	BOOM	Boomsokoye usch	23.02 325	P	P	17 43 02.7	+0.8	
NPLP	NPLP New Delhi	15.22 289	eP	Pn	17 41 30.8	-1.9	WUS	Wushi	20.41 327	P	P	BOOM	Boomsokoye usch	23.02 325	P	P	17 43 04.1	+0.5	
AYAN	Aya Nagar	15.23 288	eP	Pn	17 41 28.4	-4.4	WUS	Wushi	20.41 327	P	P	BOOM	Boomsokoye usch	23.02 325	P	P	17 43 01.9	-2.8	
GTA2	Gaotai	15.69 18	P	Pn	17 41 35.6	-3.2	WUS	Wushi	20.41 327	P	P	BOOM	Boomsokoye usch	23.02 325	P	P	17 43 20.5	-2.7	
GTA2	Gaotai	15.69 18	pP	Pn	17 41 43.2	+1.2	WUS	Wushi	20.41 327	P	P	BOOM	Boomsokoye usch	23.02 325	P	P	17 43 07.5	-5.1	
GTA2	Gaotai	15.69 18	sS	S	17 44 38.2	-6.2	WUS	Wushi	20.41 327	P	P	BOOM	Boomsokoye usch	23.02 325	P	P			
GTA2	Gaotai	15.69 18	pmax	pmax			WUS	Wushi	20.41 327	P	P	BOOM	Boomsokoye usch	23.02 325	P	P			
GTA2	Gaotai	15.69 18	L	L			WUS	Wushi	20.41 327	P	P	BOOM	Boomsokoye usch	23.02 325	P	P			
GTA2	Gaotai	15.69 18	L	L			WUS	Wushi	20.41 327	P	P	BOOM	Boomsokoye usch	23.02 325	P	P			
GTA2	Gaotai	15.69 18	L	L			WUS	Wushi	20.41 327	P	P	BOOM	Boomsokoye usch	23.02 325	P	P			
GTA2	Gaotai	15.69 18	L	L			WUS	Wushi	20.41 327	P	P	BOOM	Boomsokoye usch	23.02 325	P	P			
GTA2	Gaotai	15.69 18	L	L			WUS	Wushi	20.41 327	P	P	BOOM	Boomsokoye usch	23.02 325	P	P			
GTA2	Gaotai	15.69 18	L	L			WUS	Wushi	20.41 327	P	P	BOOM	Boomsokoye usch	23.02 325	P	P			
GTA2	Gaotai	15.69 18	L	L			WUS	Wushi	20.41 327	P	P	BOOM	Boomsokoye usch	23.02 325	P	P			
GTA2	Gaotai	15.69 18	L	L			WUS	Wushi	20.41 327	P	P	BOOM	Boomsokoye usch	23.02 325	P	P			
GTA2	Gaotai	15.69 18	L	L			WUS	Wushi	20.41 327	P	P	BOOM	Boomsokoye usch	23.02 325	P	P			
GTA2	Gaotai	15.69 18	L	L			WUS	Wushi	20.41 327	P	P	BOOM	Boomsokoye usch	23.02 325	P	P			
GTA2	Gaotai	15.69 18	L	L			WUS	Wushi	20.41 327	P	P	BOOM	Boomsokoye usch	23.02 325	P	P			
GTA2	Gaotai	15.69 18	L	L			WUS	Wushi	20.41 327	P	P	BOOM	Boomsokoye usch	23.02 325	P	P			
GTA2	Gaotai	15.69 18	L	L			WUS	Wushi	20.41 327	P	P	BOOM	Boomsokoye usch	23.02 325	P	P			
GTA2	Gaotai	15.69 18	L	L			WUS	Wushi	20.41 327	P	P	BOOM	Boomsokoye usch	23.02 325	P	P			
GTA2	Gaotai	15.69 18	L	L			WUS	Wushi	20.41 327	P	P	BOOM	Boomsokoye usch	23.02 325	P	P			
GTA2	Gaotai	15.69 18	L	L			WUS	Wushi	20.41 327	P	P								

10d 17h

Table with columns: Station Name, Frequency, Power, Direction, and Value. Includes stations like AAK Ala-Archa, ARSB Arslanbob, and many others.

2020 OCT

Table with columns: Station Name, Frequency, Power, Direction, and Value. Includes stations like DL2, KRJI Kerinci, and many others.

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Table with columns: Station Name, Frequency, Power, Direction, and Value. Includes stations like KPJI Karang Pucung, TOL2 Tolitoli, and many others.



10d 17h

Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like TIRR, PET, LVZ, ICOR, MNEK, etc.

2020 OCT

Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like PABE, RZN, PGB, LOT, etc.

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Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like PDG, STEB, GPK, ABPO, etc.









10d 20h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like TGIG, JAYA, MTO3, NEUV, BKK, NEIC, DJA, GFZ, IDC, ISC, etc.

2020 OCT

Table with columns: WUS, Wushi, 39.20 340, P, Iamb, P, 20 29 46.4 -0.8, etc. Lists various stations like MTN, NRN, DRK, BTK, AAK, etc.

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Table with columns: AKKB, Malin Array Si, 71.57 322, P, P, 20 33 38.4 -0.7, etc. Lists various stations like KIEV, VRI, PLO, etc.



10d 22h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Scatter, Elevation Scatter, Azimuth Trend, Elevation Trend, Azimuth Offset, Elevation Offset, Azimuth Scale, Elevation Scale, Azimuth Shift, Elevation Shift, Azimuth Slope, Elevation Slope, Azimuth Intercept, Elevation Intercept, Azimuth Residual, Elevation Residual, Azimuth Weight, Elevation Weight, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Scatter, Elevation Scatter, Azimuth Trend, Elevation Trend, Azimuth Offset, Elevation Offset, Azimuth Scale, Elevation Scale, Azimuth Shift, Elevation Shift, Azimuth Slope, Elevation Slope, Azimuth Intercept, Elevation Intercept, Azimuth Residual, Elevation Residual, Azimuth Weight, Elevation Weight.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Scatter, Elevation Scatter, Azimuth Trend, Elevation Trend, Azimuth Offset, Elevation Offset, Azimuth Scale, Elevation Scale, Azimuth Shift, Elevation Shift, Azimuth Slope, Elevation Slope, Azimuth Intercept, Elevation Intercept, Azimuth Residual, Elevation Residual, Azimuth Weight, Elevation Weight.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Scatter, Elevation Scatter, Azimuth Trend, Elevation Trend, Azimuth Offset, Elevation Offset, Azimuth Scale, Elevation Scale, Azimuth Shift, Elevation Shift, Azimuth Slope, Elevation Slope, Azimuth Intercept, Elevation Intercept, Azimuth Residual, Elevation Residual, Azimuth Weight, Elevation Weight.



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like UZB, BLB, KBK, SHLS, PDGK, etc.

VIE 10 22:45:16.8,0.2,47.00N-13.29E,h3km,4km,mb-0.3/1, m0.5/3, Error ellipse: s-maj=1.1km s-min=0.6km az=164.0 9 km E of Mallnitz, Austria

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KBA, MYKA, ABTA, etc.

LJU 10 22:46:11.7,45.52N-14.48E,h13km,ML0.2,1C-1D, Presumed earthquake, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KNDS, SKDS, VISS, etc.

IDC 10 23:13:40.6,4.8,16.67Sx174.16W,h115km,30km,mb3.3/4, mbtmp3.8/5, Error ellipse: s-maj=157.7km s-min=23.2km az=146.0

ISC 10 23:13:41.6,2.2,15.8S:0.8x174.3W:0.4,h100km,n6, r=144.7,mb3.6/4,Tonga Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AFI, WRA, ASAR, ILAR, etc.

IDC 10 23:25:45.5,1.1,37.71N:22.27E,h0km,mb3.5/7, mbtmp3.5/9,ML1.0/1,MS3.1/4, Error ellipse: s-maj=20.4km s-min=15.9km az=45.0

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like THAL, Drossia, Zacharo, Kiato, Agios Ioannis, etc.

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NOAC, ATHS, Ratzkili, Kefa, Prodromos, etc.

IDC 10 23:27:31.0,0.8,34.22N:25.81E,h0km,mb4.0/14, mbtmp3.9/23,ML3.7/8,MS2.9/2, Error ellipse: s-maj=16.2km s-min=8.3km az=20.0

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like NPS Neapolis, SIVA Sivas, ANOYIA, and various island stations.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like KZIT, AMAZ, MOUNT MERON AR, and various international stations.

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like ZALV, SONMI, SCHO, CMAR, ILAR, and various international stations.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Davao City (W), DMPH, KCP, Cateel, Bislig, Musuan, Cotabato-PC H, etc.

VAO 11 00:41:07.1±0.6, 14.17S; 72.61W, h114km, 5km, mb3.4, Presumed earthquake

NEIC 11 00:41:08.3±1.4, 14.20S; 0.72; 95W±0.09, h79km, 6km, bz=55

IDC 11 00:41:09.0±0.7, 14.14S; 72.75W, h89km, 5km, mb3.9/11, mbtmp4.2/17, MS3.1/7, Error ellipse: s-maj=19.4km

ISC 11 00:41:07.4±0.3, 14.14S; 0.05; 72.71W±0.05, h83km, n124, ±190/125, mb4.5/24, 5D, Central Peru

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NNA, PB18, LPAZ, MAW, etc.

2020 OCT

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WCI, TPB01, APMT, SDCCO, etc.

11d 1h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JKRS, JIJI, JISG, etc.

VAO 11 01:07:58.0±0.2, 8.28S; 50.33W, h0km, mbR2.9, Presumed earthquake

OSUNB 11 01:07:59.0±0.3, 8.29S; 50.32W, h0km, mR2.9/7, Error ellipse: s-maj=2.2km

ISC 11 01:08:00.4±1.0, 8.25S; 0.04; 50.32W±0.05, h10km, n16, ±0.99/29, Brazil

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SRLE, SMTB, SDBA, etc.

MDD 11 01:20:18.4±0.9, 37.16N; 10.06W, h16km, 4km, mb\_Lg2.5/9, Error ellipse: s-maj=6.1km

INMG 11 01:20:19.3±1.7, 37.20N; 10.02W, h12km, 3km, ML2.0, Error ellipse: s-maj=3.8km

IGL 11 01:20:19.0, 37.20N; 10.03W, h7km, ML2.2

CNRM 11 01:20:21.9, 36.81N; 9.76W, h24km, ML2.4

ISC 11 01:20:14.7±1.9, 37.11N; 0.03; 10.15W±0.07, h15km, gkm, n54, ±187/115, Azores-Cap St. Vincent Ridge

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Code, Station Name, Az, Az', Phase ID, Time, Res, ISC.

11d 3h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PVAQ, PMAFR, MOE, PBEJ, EGRO, EVO, PARRA, PMTG, PESTR, FITZ, VYDA, MORW, QSPA, TXAR, CMAR, LBTB, HO1W, MKAR, WRA, SONM, KSRP, PDAR, NVAR, DZM, JAG, JNU, JHO, JIK, KURB, WRA, ASAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TTO1, JTN, JKN2, JSE, JAI, JEG, JNY, JOD2, BSO1, JHU2, JRY, MJAR, JAG, JNU, JHO, JIK, KURB, WRA, ASAR.

2020 OCT

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HFS, URZ, BFZ, QRTZ, CTAO, TOO, STKA, BBOO, AS31, ASAR, WRA, WRA, WRA, TXAR, CMAR, LBTB, HO1W, MKAR, WRA, SONM, KSRP, PDAR, NVAR, DZM, JAG, JNU, JHO, JIK, KURB, WRA, ASAR.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like EIDS, CTAO, RTZ, WRR, WBO, WRA, AS31, ASAR, BBOO, FITZ, KAE, LJU, KNDS, CEY, GBR, SKDS, VIE, KBA, IDC, MSFV, AFI, ASAR, ILAR, TXAR, IDC, KRVT, RABL, PMG, WRA, WRA, WRA, ASAR, FITZ, MORW, SONM, WRA, SONM, CNPM, SLKM, MKAR, GERE, TORI, ILAR, KKR, NVAR, GERE, TORI.











Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CO03, PLCA, H03S1, H03S3, H03S2, H03N1, H03N2, CPUP, LPAZ, VNA3, VNA2, TROLL, GSPA, TXAR, PDAR.

IDC 11 06:02:49.5:0.8, 30.25N:70.12E, h0km, mb3.9/16, mbmp3.9/18, ML3.9/2, MS3.4/26, Error ellipse: s-maj=19.7km s-min=15.7km az=35.0

NDI 11 06:02:49.0:2.3, 30.24N:69.69E, h10km, ML4.0, MW4.1, Presumed earthquake

NEIC 11 06:02:51.9:2.1, 30.2N:0.1:70.09E:0.09, h10km, mb4.2/17, Error ellipse: s-maj=18.3km s-min=12.1km az=191.0

NMC 11 06:02:52.9:7.7, 30.48N:70.16E, h5km, 76km, mb3.9, Error ellipse: s-maj=69.5km s-min=41.4km az=156.0

ISC 11 06:02:51.2:0.6, 30.15N:0.06:70.14E:0.05, h12km, res, a=182/88, mb4.0/23, MS3.4/24, 2C-1D, Pakistan

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations and their associated data points.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations and their associated data points.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations and their associated data points.

SDD 11 06:19:34.3:1.6, 18.17N:72.82W, h18km, 9km, MD2.9, ML2.5, MW2.7, Presumed earthquake

SSNC 11 06:19:35.0:0.8, 18.62N:72.07W, h7km, 7km, MD3.8, ML2.2, Presumed earthquake

OSPL 11 06:19:36.3:1.4, 18.11N:72.67W, h4km, 9km, ML2.3, Presumed earthquake

ISC 11 06:19:31.7:1.4, 18.19N:0.07:72.79W:0.04, h16km, 10km, n17, c090/32, 2D, Haiti region

WEL 11 06:22:26.6:1.0, 32.5:16.179E:3.6, h381km, 30km, M4.3/8, mb4.7/7, ML4.3/7, MLv4.6/8, Mw(mB)3.9/7, Error ellipse: s-maj=49.4km s-min=11.9km az=110.2, confirmed, Kermadec Islands region

JSN 11 06:16:26.0:1.6, 18.14N:77.44W, h20km, 5km, MD2.7, Confirmed Earthquake

SSNC 11 06:16:17.1:0.9, 18.25N:77.45W, h20km, 16km, MD3.0, ML1.6, Presumed earthquake

ISC 11 06:16:14.0:1.1, 18.25N:0.04:77.38W:0.04, h20km, 2km, n12, c146/25, 7D, Jamaica region



GO01	Chusmiza	0.98 113	Pn	07 06 31.9 +0.6					
GO01	Chusmiza	0.98 113	Pn	07 06 31.6 +0.4					
GO01	Chusmiza	0.43 111	eS	07 06 45.1 +0.6					
GO01	Chusmiza	0.43 111	IAML	07 06 46.7					
PB16	IPOC Station P	1.13 33	eP	07 06 33.6 +0.2					
PB16	IPOC Station P	1.13 33	eS	07 06 48.6 +0.5					
PB16	IPOC Station P	1.13 33	IAML	07 06 49.2					
PB16	IPOC Station P	1.13 33	Pn	07 06 33.3 0.0					
PB16	IPOC Station P	1.13 33	Pn	07 06 33.5 +0.2					
PB16	IPOC Station P	1.13 33	Sn	07 06 48.2 0.0					
PB08	IPOC Station P	1.27 132	eP	07 06 35.8 +0.7					
PB08	IPOC Station P	1.27 132	eS	07 06 52.5 +1.3					
PB08	IPOC Station P	1.27 132	IAML	07 06 55.7					
TA01	Diego Aracena	1.27 181	eP	07 06 35.3 +0.7					
TA01	Diego Aracena	1.27 181	eS	07 06 53.5 +2.8					
TA01	Diego Aracena	1.27 181	IAML	07 06 57.6					
TA01	Diego Aracena	1.27 181	Pn	07 06 35.2 +0.5					
TA01	Diego Aracena	1.27 181	Pn	07 06 35.1 +0.5					
TA01	Diego Aracena	1.27 181	eS	07 06 51.1 +0.4					
PB18	Visiviri	1.81 21	Pn	07 06 45.4 +2.9					
PB18	Visiviri	1.81 21	Pn	07 06 45.2 +2.7					
PB18	Visiviri	1.81 21	eP	07 07 06.4 +1.8					
PB02	IPOC Station P	2.04 173	eP	07 06 16.1 +6.6					
PB02	IPOC Station P	2.04 173	eS	07 07 20.9					
PB02	IPOC Station P	2.04 173	IAML	07 06 46.5 +1.4					
PB02	IPOC Station P	2.04 173	eP	07 07 11.2 +1.7					
PB02	IPOC Station P	2.04 173	eS	07 07 18.4					
PB07	IPOC Station P	2.44 174	eP	07 06 51.9 +1.2					
PB07	IPOC Station P	2.44 174	eS	07 07 30.8					
PB07	IPOC Station P	2.44 174	IAML	07 07 30.8					
PB07	IPOC Station P	2.44 174	eP	07 06 52.0 +1.2					
PB07	IPOC Station P	2.44 174	eS	07 07 19.4 -0.1					
PB07	IPOC Station P	2.44 174	IAML	07 07 27.9					
PB09	IPOC Station P	2.64 161	eP	07 06 55.6 +2.0					
PB09	IPOC Station P	2.64 161	eS	07 07 23.9 -0.6					
PB09	IPOC Station P	2.64 161	IAML	07 07 37.1					
PB09	IPOC Station P	2.64 161	Pn	07 06 55.5 +2.0					
PB09	IPOC Station P	2.64 161	Pn	07 07 38.7					
PB03	IPOC Station P	2.77 172	eP	07 06 56.7 +1.4					
PB03	IPOC Station P	2.77 172	eS	07 07 30.4 +2.8					
PB03	IPOC Station P	2.77 172	IAML	07 07 39.3					
PB03	IPOC Station P	2.77 172	Pn	07 06 56.7 +1.4					
PB03	IPOC Station P	2.77 172	Pn	07 06 56.4 +1.1					
PB03	IPOC Station P	2.77 172	eS	07 07 25.9 -0.7					
PB03	IPOC Station P	2.77 172	IAML	07 07 38.4					
PB06	IPOC Station P	3.44 171	eP	07 07 05.9 +1.4					
PB06	IPOC Station P	3.44 171	eS	07 07 26.2 -1.8					
PB06	IPOC Station P	3.44 171	IAML	07 08 09.3					
PB05	IPOC Station P	3.55 181	eP	07 07 06.5 +0.6					
PB05	IPOC Station P	3.55 181	eS	07 07 57.1 +1.0					
PB05	IPOC Station P	3.55 181	IAML	07 08 13.1					
PB05	IPOC Station P	3.55 181	Pn	07 07 06.3 +0.4					
LPAZ	La Paz	3.56 33	eP	07 07 10.3 +3.8					
PB14	IPOC Station P	5.32 182	eP	07 07 30.2 -0.2					
PB14	IPOC Station P	5.32 182	eS	07 08 28.1 -2.3					
PB14	IPOC Station P	5.32 182	IAML	07 09 03.1					
PB14	IPOC Station P	5.32 182	Pn	07 07 29.7 -0.7					
AC01	Pan de Azucar	6.84 183	Pn	07 07 48.9 -2.1					
AC06	Mina Casimiro	8.03 181	Pn	07 08 06.4 -0.9					
WILB	Wilhena	11.45 58	Pn	07 08 53.9 -0.3					
CPUP	Villa Florida	13.74 123	Pn	07 09 25.4 +0.1					
ITAB	Concordia	18.34 119	IAMB	07 10 23.1 -0.2					
ITAB	Concordia	18.34 119	IAMB	07 10 50.0					
MACA	Manacapuru-AM	18.51 31	P	07 10 23.4 -1.9					
PLCA	Paso Flores	21.38 181	IAMB	07 10 55.6 -0.7					
PLCA	Paso Flores	21.38 181	IAMB	07 10 58.1					
VAO	Valinhos	21.94 104	P	07 11 03.4 +0.9					

s-min=25.4km az=27.0  
PTWC 11 07:20:58, 17.90N, 67.10W, M4.0/10  
NEIC 11 07:21:00.1±1.5, 17.94N, 0.03:67.08W, 0.03, h10km, 1km,  
mb4.2/4, ML4.0/4.1, MD3.7/12(RSPR), Error ellipse:  
s-maj=6.3km s-min=2.2km az=38.0  
RSRP 11 07:21:00.3, 17.94N, 67.06W, h12km, MD3.6/12  
OSPL 11 07:21:00.6±1.0, 17.92N, 67.06W, h11km, 3km, ML3.7,  
Presumed earthquake  
SDD 11 07:21:01.8±1.6, 17.96N, 67.02W, h7km, 4km, MD3.2,  
ML3.5, MW3.5, Presumed earthquake  
ISC 11 07:20:58.9±0.6, 17.91N, 0.04:67.06W, 0.02, h18km, 4km,  
nB4, cB9B/117, mB3.7/3, 11D, Mona Passage

Code	Station Name	Δ°	ΔZ°	Phase ID	Time	Res
					h m s	ISC
MLPR	Magueyes Islan	0.07	16	Pg	07 21 02.4 +0.1	
MLPR	Magueyes Islan	0.07	16	IAML	07 21 05.1	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 02.3 +0.1	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 02.4 +0.1	
MLPR	Magueyes Islan	0.07	16	Sg	07 21 04.5	
MLPR	Magueyes Islan	0.07	16	IAML	07 21 05.5	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 02.4 +0.1	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 02.9 +0.2	
MLPR	Magueyes Islan	0.07	16	IAML	07 21 05.8	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 02.8 +0.2	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 02.9 +0.2	
MLPR	Magueyes Islan	0.07	16	Sg	07 21 05.2 0.0	
MLPR	Magueyes Islan	0.07	16	IAML	07 21 05.8	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 03.0 +0.2	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 02.9 +0.2	
MLPR	Magueyes Islan	0.07	16	Sg	07 21 05.8	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 03.0 +0.2	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 02.9 +0.2	
MLPR	Magueyes Islan	0.07	16	Sg	07 21 05.8	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 03.0 +0.2	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 02.9 +0.2	
MLPR	Magueyes Islan	0.07	16	Sg	07 21 05.8	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 03.0 +0.2	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 02.9 +0.2	
MLPR	Magueyes Islan	0.07	16	Sg	07 21 05.8	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 03.0 +0.2	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 02.9 +0.2	
MLPR	Magueyes Islan	0.07	16	Sg	07 21 05.8	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 03.0 +0.2	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 02.9 +0.2	
MLPR	Magueyes Islan	0.07	16	Sg	07 21 05.8	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 03.0 +0.2	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 02.9 +0.2	
MLPR	Magueyes Islan	0.07	16	Sg	07 21 05.8	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 03.0 +0.2	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 02.9 +0.2	
MLPR	Magueyes Islan	0.07	16	Sg	07 21 05.8	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 03.0 +0.2	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 02.9 +0.2	
MLPR	Magueyes Islan	0.07	16	Sg	07 21 05.8	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 03.0 +0.2	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 02.9 +0.2	
MLPR	Magueyes Islan	0.07	16	Sg	07 21 05.8	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 03.0 +0.2	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 02.9 +0.2	
MLPR	Magueyes Islan	0.07	16	Sg	07 21 05.8	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 03.0 +0.2	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 02.9 +0.2	
MLPR	Magueyes Islan	0.07	16	Sg	07 21 05.8	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 03.0 +0.2	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 02.9 +0.2	
MLPR	Magueyes Islan	0.07	16	Sg	07 21 05.8	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 03.0 +0.2	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 02.9 +0.2	
MLPR	Magueyes Islan	0.07	16	Sg	07 21 05.8	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 03.0 +0.2	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 02.9 +0.2	
MLPR	Magueyes Islan	0.07	16	Sg	07 21 05.8	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 03.0 +0.2	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 02.9 +0.2	
MLPR	Magueyes Islan	0.07	16	Sg	07 21 05.8	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 03.0 +0.2	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 02.9 +0.2	
MLPR	Magueyes Islan	0.07	16	Sg	07 21 05.8	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 03.0 +0.2	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 02.9 +0.2	
MLPR	Magueyes Islan	0.07	16	Sg	07 21 05.8	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 03.0 +0.2	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 02.9 +0.2	
MLPR	Magueyes Islan	0.07	16	Sg	07 21 05.8	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 03.0 +0.2	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 02.9 +0.2	
MLPR	Magueyes Islan	0.07	16	Sg	07 21 05.8	
MLPR	Magueyes Islan	0.07	16	Pg	07 21 03.0 +0.2	
MLPR	Magueyes Islan	0.07	16			







Table with columns for station name, frequency, mode, and coordinates. Includes stations like GSI Gunungsitoli, PKDT Phuket, KULUM Kulim, etc.

Table with columns for station name, frequency, mode, and coordinates. Includes stations like NRN Kajsary, KDJ Kajsary, SHLS Shalkode, etc.

Table with columns for station name, frequency, mode, and coordinates. Includes stations like BRTR Keskin Array B, BR105 Keskin Array S, BR106 Keskin Array S, etc.

Table of seismic stations and events, including columns for station name, coordinates, and event details. Stations listed include VYHS, ARAO, ARCES, MPLH, etc.

Table of seismic stations and events, including columns for station name, coordinates, and event details. Stations listed include PDAR, TXAR, BDFB, KRSC, etc.

Table of seismic stations and events, including columns for station name, coordinates, and event details. Stations listed include COLA, ILAR, H11S1, etc.

HGSD Huisi	0.48 211	eP	Pn	12 39 21.4	+0.7	SX11	Grass Mountain	1.20	8	eP	Pn	12 39 31.9	+1.2	KURBB	Kurchatov Arra	42.62	320	P	P	12 47 01.8	-1.5
EHYH Wanrong	0.52 218	eS	Sb	12 39 20.9	-0.3	WRL	Guolierlin Hig	1.21	270	eP	Sb	12 39 32.3	+1.5	AAK	Ala-Archa	43.05	308	LR	LR	13 08 16.0	
EHYH Hungye	0.52 221	eS	Sb	12 39 28.6	+0.0	TWGBT	Beinan	1.22	208	eP	Sb	12 39 48.5	+0.6	WRA	Waramunga Arr	45.29	163	P	P	12 47 22.3	-2.6
ENA Nanau	0.52	5	eS	12 39 19.0	-2.3	TWGBT	Beinan	1.22	208	iP	Sb	12 39 30.1	-0.9	ASAR	Alice Springs	48.75	165	P	P	12 47 50.8	-1.1
VWDT VWDT	0.53 254	iP	Sb	12 39 27.0	-1.8	TWGBT	Kuangyinsinan	1.22	348	eP	Sb	12 39 45.7	-0.6	ILAR	Eielson Array	69.25	27	P	P	12 50 11.6	-2.0
WWSB Renai	0.54 280	iP	Sb	12 39 21.7	+0.4	TWS1					Sb	12 39 47.7	+1.4								
EWUT Wuta	0.55	8	eP	12 39 29.4	+0.5	TWG	Pinlang	1.22	208	eP	Sb	12 39 30.0	-1.0								
TWT Tachien	0.59 306	eS	Sb	12 39 21.9	+0.3	RLNB	Erin	1.22	270	eP	Sb	12 39 48.4	+1.0								
YMT Datong	0.60 331	iS	Sb	12 39 30.9	+1.3	CHY	Chiayi	1.23	251	eP	Sb	12 39 32.8	+1.7								
NNSB Datong	0.60 305	P	Sb	12 39 22.9	+0.6	CHY					Sb	12 39 49.2	+0.6								
TDCB Tech	0.60 305	P	Sb	12 39 31.0	+0.0	YMO1	YMO1	1.24	355	eP	Pn	12 39 31.6	+0.3								
EOS4 EOS4	0.61 69	eP	Sb	12 39 30.5	-0.6	YMO1	National Taiwa	1.24	3	eP	Pn	12 39 31.9	+0.6								
NNS Nan Shan	0.62 331	iP	Sb	12 39 22.9	+0.4	TNOU					Sb	12 39 49.4	+0.5								
NNS NNS	0.62 301	iS	Sb	12 39 30.8	-0.4	ZUZH	Zhuzhuh	1.26	354	iP	Sb	12 39 31.8	+0.2								
ECBN Changbin	0.62 301	iS	Sb	12 39 22.7	+0.4	ZUZH					Sb	12 39 48.1	+0.8								
YULB Yu-chi	0.63 216	P	Sb	12 39 31.6	+1.0	YONG	Yonagunijimaku	1.27	64	P	Sb	12 39 32.1	+0.6								
YULB Yu-chi	0.63 216	P	Sb	12 39 22.6	-0.1	YMO1					Sb	12 39 47.9	+1.0								
LATG Datong	0.65 346	iP	Sb	12 39 31.2	-0.2	NTST	Danshui	1.28	350	eP	Sb	12 39 32.4	+0.7								
WTF1 Yuli	0.66 214	iP	Sb	12 39 23.2	+0.6	NTST					Sb	12 39 50.0	+0.2								
ESAO Su ao	0.68 11	eP	Pb	12 39 32.6	+1.1	NTST					Sb	12 39 32.4	+0.7								
EOS3 EOS3	0.69 56	eP	Pb	12 39 22.0	-0.5	NTST					Sb	12 39 30.3	+1.5								
SSLB Suanglung	0.69 261	P	Pn	12 39 24.4	+0.6	NTST					Sb	12 39 50.3	+0.4								
SSLB Suanglung	0.69 261	iP	Pn	12 39 34.8	+1.8	NTST					Sb	12 39 50.3	+1.5								
SSLB Suanglung	0.69 261	iP	Pn	12 39 23.5	+0.1	NTST					Sb	12 39 50.3	+1.5								
EOS2 EOS2	0.71 44	P	Pb	12 39 23.0	-0.2	NTST					Sb	12 39 50.3	+1.5								
NDT Datong Townshi	0.72 347	eP	Pn	12 39 32.7	+0.5	NTST					Sb	12 39 50.3	+1.5								
WTC Suao	0.72 11	iP	Pn	12 39 25.0	+0.8	NTST					Sb	12 39 50.3	+1.5								
NDC WFS	0.73	1	iP	12 39 24.1	+0.1	NTST					Sb	12 39 50.3	+1.5								
NDC Dongshan	0.73	1	iP	12 39 24.6	+0.7	NTST					Sb	12 39 50.3	+1.5								
SMLT Sun Moon Lake	0.73 269	iP	Pn	12 39 35.3	+1.0	NTST					Sb	12 39 50.3	+1.5								
WCS Beigang Elemen	0.73 282	P	Pn	12 39 24.6	+0.3	NTST					Sb	12 39 50.3	+1.5								
ENIT Nioudou	0.74 351	eP	Pn	12 39 34.3	0.0	NTST					Sb	12 39 50.3	+1.5								
CHKH Chenggong	0.76 201	eS	Pn	12 39 24.7	+0.5	NTST					Sb	12 39 50.3	+1.5								
CHKH Chenggong	0.76 201	eS	Pn	12 39 32.0	-1.2	NTST					Sb	12 39 50.3	+1.5								
TYC Yuchr	0.77 270	iP	Pn	12 39 24.0	+0.2	NTST					Sb	12 39 50.3	+1.5								
TYC Yuchr	0.77 270	iP	Pn	12 39 32.7	+0.5	NTST					Sb	12 39 50.3	+1.5								
WHP Taichung City	0.78 299	eS	Pn	12 39 25.0	+0.8	NTST					Sb	12 39 50.3	+1.5								
WHP Taichung City	0.78 299	eS	Pn	12 39 24.5	-0.1	NTST					Sb	12 39 50.3	+1.5								
FULB Fuli	0.79 208	iP	Pn	12 39 36.4	+1.2	NTST					Sb	12 39 50.3	+1.5								
FULB Fuli	0.79 208	iP	Pn	12 39 25.3	+0.3	NTST					Sb	12 39 50.3	+1.5								
YUS Yu-Shan	0.80 239	eP	Pn	12 39 35.4	+1.2	NTST					Sb	12 39 50.3	+1.5								
WHYT Xinyi Township	0.80 255	iP	Pn	12 39 35.8	+0.3	NTST					Sb	12 39 50.3	+1.5								
WHYT Xinyi Township	0.80 255	iP	Pn	12 39 25.3	+0.3	NTST					Sb	12 39 50.3	+1.5								
TWE Neicheng	0.81 358	eP	Pn	12 39 36.4	+1.2	NTST					Sb	12 39 50.3	+1.5								
YHNB Yeheng	0.82 339	eP	Pn	12 39 25.0	+0.8	NTST					Sb	12 39 50.3	+1.5								
YHNB Yeheng	0.82 339	eP	Pn	12 39 25.0	+0.8	NTST					Sb	12 39 50.3	+1.5								
YHNB Yeheng	0.82 339	eP	Pn	12 39 25.0	+0.8	NTST					Sb	12 39 50.3	+1.5								
NSK Sanguang	0.83 338	iP	Pn	12 39 36.1	+0.3	NTST					Sb	12 39 50.3	+1.5								
NSK Sanguang	0.83 338	iP	Pn	12 39 25.8	+0.2	NTST					Sb	12 39 50.3	+1.5								
CHKT Chengkung	0.85 201	eP	Pn	12 39 36.1	+0.3	NTST					Sb	12 39 50.3	+1.5								
CHKT Chengkung	0.85 201	eP	Pn	12 39 25.6	+0.2	NTST					Sb	12 39 50.3	+1.5								
FUSH Fushanzhiwuyua	0.86 353	iP	Pn	12 39 36.1	+0.3	NTST					Sb	12 39 50.3	+1.5								
FUSH Fushanzhiwuyua	0.86 353	iP	Pn	12 39 36.1	+0.3	NTST					Sb	12 39 50.3	+1.5								
ILA Ilan	0.86	3	eP	12 39 36.1	+0.3	NTST					Sb	12 39 50.3	+1.5								
EHD Haiduan	0.88 211	eP	Pn	12 39 36.1	+0.3	NTST					Sb	12 39 50.3	+1.5								
NWLT Wu'ai	0.89 349	iP	Pn	12 39 26.6	+0.6	NTST					Sb	12 39 50.3	+1.5								
NWLT Wu'ai	0.89 349	iP	Pn	12 39 25.4	-0.1	NTST					Sb	12 39 50.3	+1.5								
WHS Zhushan	0.89 265	eP	Pn	12 39 25.4	-0.1	NTST					Sb	12 39 50.3	+1.5								
NFF Wufeng Townshi	0.90 324	eP	Pn	12 39 35.0	+1.0	NTST					Sb	12 39 50.3	+1.5								
NFF Wufeng Townshi	0.90 324	eP	Pn	12 39 27.8	+1.2	NTST					Sb	12 39 50.3	+1.5								
ALB Alishan	0.91 245	iP	Pn	12 39 35.0	+1.0	NTST					Sb	12 39 50.3	+1.5								
ALB Alishan	0.91 245	iP	Pn	12 39 27.5	+0.6	NTST					Sb	12 39 50.3	+1.5								
ALB Alishan	0.91 245	iP	Pn	12 39 40.0	+1.1	NTST					Sb	12 39 50.3	+1.5								
CHSH Chishang	0.92 209	eS	Sb	12 39 27.0	+0.2	NTST					Sb	12 39 50.3	+1.5								
CHSH Chishang	0.92 209	eS	Sb	12 39 40.0	+1.1	NTST					Sb	12 39 50.3	+1.5								
WNT Mingjian	0.93 269	iP	Pn	12 39 40.0	+1.1	NTST					Sb	12 39 50.3	+1.5								
WNT Mingjian	0.93 269	iP	Pn	12 39 28.4	+0.6	NTST					Sb	12 39 50.3	+1.5								
ELDTW Lidau	0.94 221	P	Pn	12 39 39.0	+1.1	NTST					Sb	12 39 50.3	+1.5								
ELDTW Lidau	0.94 221	P	Pn	12 39 26.9	-0.3	NTST					Sb	12 39 50.3	+1.5								
TWO1 Liyutan	0.95 298	iP	Pn	12 39 39.4	-0.2	NTST					Sb	12 39 50.3	+1.5								
TWO1 Liyutan	0.95 298	iP	Pn	12 39 41.7	+0.6	NTST					Sb	12 39 50.3	+1.5								
NTC Toucheng	0.95	7	eP	12 39 41.5	+0.8	NTST					Sb	12 39 50.3	+1.5								
NTC Toucheng	0.95	7	eP	12 39 29.0	+0.3	NTST					Sb	12 39 50.3	+1.5								
EGS EGS	0.96 13	eP	Pb	12 39 42.0	+1.3	NTST					Sb	12 39 50.3	+1.5								
EGS EGS	0.96 13	eP	Pb	12 39 28.9	+0.4	NTST					Sb	12 39 50.3	+1.5								
NSST Nanjuang	0.96 319	iP	Pn	12 39 42.7	+1.0	NTST					Sb	12 39 50.3	+1.5								
NSST Nanjuang	0.96 319	iP	Pn	12 39 28.6	+1.2	NTST					Sb	12 39 50.3	+1.5								
TCU Taichung	0.96 285	P	Pn	12 39 40.7	+0.8	NTST					Sb	12 39 50.3	+1.5								
TCU Taichung	0.96 285	P	Pn	12 39 28.9	+0.4	NTST					Sb	12 39 50.3	+1.5								
LIOB Emei	0.96 320	eP	Pn	12 39 41.8	+0.9	NTST					Sb	12 39 50.3	+1.5								
LIOB Emei	0.96 320	eP	Pn	12 39 28.9	+0.3	NTST					Sb	1									

Table with columns: Code, Station Name, Az, El, P, S, M, I, A, M, L, Time, Res. Includes stations like GMAL, OTAV, PCRV, etc.

Table with columns: Code, Station Name, Az, El, P, S, M, I, A, M, L, Time, Res. Includes stations like JMU, KSH2, KSH2, etc.

Table with columns: Code, Station Name, Az, El, P, S, M, I, A, M, L, Time, Res. Includes stations like KURBB, KURBB, KURK, etc.

IDC 11 13:36:31.9, 3.0, 36.05N, 70.95E, h91km, 26km, mb4.1/29, mbmp4.5/33, MS3.1/14, Error ellipse: s-maj=15.4km

MOS 11 13:36:32.6, 6.9, 36.21N, 70.96E, h109km, mb4.7/35, Error ellipse: s-maj=14.0km, s-min=3.6km, az=81.7

BUJ 11 13:36:32.3, 36.30N, 70.81E, h115km, mb4.54, mb4.6/36 NEIC 11 13:36:34.6, 1.8, 36.20N, 0.05, 70.99E, 0.0, h112km, 6km, mb4.5/99, Error ellipse: s-maj=9.0km, s-min=7.2km, az=97.0

GFZ 11 13:36:35.2, 0.3, 36.0N, 3.7, 1E, h100km, 4km, M4.7/18, mb4.8/18

NNC 11 13:36:36.7, 3.5, 36.44N, 70.90E, h115km, 30km, mb4.2, mpv5.5, Error ellipse: s-maj=28.7km, s-min=22.9km, az=179.0

ISC 11 13:36:34.0, 4.0, 36.19N, 0.03, 71.02E, 0.03, h113km, 3km, h112km, P, n399.0, 1864/393, mb0.5/123, 26C-12D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, El, P, S, M, I, A, M, L, Time, Res. Includes stations like KBL, KBL, KBL, etc.

11d 13h

Table with columns for station name, frequency, power, and other technical details. Includes stations like RAYN, KEMA, LZHM, etc.

2020 OCT

Table with columns for station name, frequency, power, and other technical details. Includes stations like MNK, MNR, MNR, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like SNART, HYA, ASK, etc.







BO02	comp=Z,23nm,2.8s	35.62 111	P	P	14 48 19.6 +1.1
BO04	Sierra Bellavi	35.80 109	P	IAMB	14 48 22.2 +2.2
BO04	La Punta	35.80 109	P	IAMB	14 48 22.2 +2.2
PPTF	comp=Z,45nm,1.5s	35.93 279	P	P	14 48 24.2 +3.0
PPT2	Pamatai, Papee	35.93 279	P	P	14 48 14.1 -7.2
PPT2	Papeete2	35.94 279	eP	PP	14 49 42.5 -0.5
PPT2	comp=Z,56nm,26.0s				
PPT2	comp=Z,113nm,24.8s		eS	S	14 53 56.9 -3.0
PPT2	comp=Z,944nm,26.2s		eLQ	LQ	14 56 20.8
PPT2	comp=Z,5um,26.2s		eLR	LR	14 57 42.4
PPT2	comp=Z,5um,26.0s		eLR	LR	14 57 43.8
PPT	comp=Z,4um,29.5s	35.95 279	LR	LR	14 58 35.0
PLCA	comp=Z,2um,22.0s,baz=106,slo=29	36.07 121	P	P	14 48 23.7 +1.4
PLCA	Paso Flores	36.07 121	P	P	14 48 23.7 +1.4
PLCA	comp=Z,3.4nm,1.0s,baz=259,slo=8.8,SNR=5.2		LR	LR	15 00 31.7
PLCA	comp=Z,542nm,18.2s,baz=273,slo=32				
PLCA	comp=Z,4nm,1.0s	36.07 121	P	P	14 48 19.5 -2.8
PLCA	Paso Flores	36.07 121	P	IAMB	14 48 19.4 -2.8
PLCA	comp=Z,63nm,1.9s	36.07 121	P	P	14 48 23.4 +1.2
PLCA	Paso Flores	36.07 121	P	P	14 48 23.4 +1.2
PLCA	comp=Z,15nm,1.8s	36.07 121	eP	P	14 48 19.9 -2.4
PLCA	Paso Flores	36.07 121	eP	P	14 48 19.9 -2.4
GO08	Villa O'Higgins	36.36 104	P	P	14 48 26.9 +2.4
CO01	Juntas del Tor	36.62 103	P	P	14 48 27.6 +0.3
NNA	Nana	36.83 71	LR	LR	14 59 36.7
NNA	comp=Z,4um,21.1s,baz=244,slo=30	36.83 71	IAMS_20	IAMS_20	14 59 25.5
AC01	Pan de Azucar	36.90 96	IAMS_20	IAMS_20	14 59 15.1
AC01	comp=Z,4um,21.0s	36.90 96	P	P	14 48 27.9 -1.5
AC01	Pan de Azucar	36.90 96	P	P	14 48 27.9 -1.5
CFA	Coronel Fontan	37.99 106	LR	LR	15 00 11.4
AC02	Maricunga	38.03 98	IAMS_20	IAMS_20	15 00 03.0
AC02	comp=Z,3um,21.0s	38.03 98	P	P	14 48 40.2 +0.6
AC02	Maricunga	38.03 98	P	P	14 48 40.2 +0.6
PB05	IPOC Station P	38.12 91	IAMS_20	IAMS_20	15 00 08.6
PB05	comp=Z,4um,18.8s,baz=245,slo=30	38.12 91	IAMS_20	IAMS_20	15 00 08.6
PB05	IPOC Station P	38.12 91	P	P	14 48 38.1 -1.8
ATAH	Atahualpa	38.33 63	LR	LR	15 00 36.2
PB06	IPOC Station P	38.72 91	IAMS_20	IAMS_20	15 00 19.5
PB06	comp=Z,3um,19.0s	38.72 91	P	P	14 48 44.3 -0.7
PB06	IPOC Station P	38.72 91	P	P	14 48 44.3 -0.7
PB07	IPOC Station P	38.75 90	IAMS_20	IAMS_20	15 00 27.3
PB07	comp=Z,3um,19.0s	38.75 90	IAMS_20	IAMS_20	15 00 27.3
PB03	IPOC Station P	38.76 90	IAMS_20	IAMS_20	15 00 07.7
PB03	comp=Z,3um,21.0s	38.76 90	IAMS_20	IAMS_20	15 00 07.7
PB02	IPOC Station P	38.87 89	IAMS_20	IAMS_20	15 00 29.6
PB02	comp=Z,3um,19.0s	38.87 89	IAMS_20	IAMS_20	15 00 29.6
TA01	Diego Aracena	38.87 88	IAMS_20	IAMS_20	15 00 54.7
GO10	Punta Arenas	38.92 141	P	P	14 48 48.1 +2.0
GO10	comp=Z,140nm,1.7s	38.92 141	P	P	14 48 48.1 +2.0
PB09	IPOC Station P	39.29 90	IAMS_20	IAMS_20	15 00 43.7
PB09	comp=Z,4um,21.0s	39.29 90	IAMS_20	IAMS_20	15 00 43.7
PB12	IPOC Station P	39.45 85	P	P	14 48 51.8 +0.7
PB12	comp=Z,19nm,1.0s	39.45 85	P	P	14 48 51.8 +0.7
PB11	IPOC Station P	39.62 87	P	P	14 48 48.1 -0.7
PB11	comp=Z,19nm,1.0s	39.62 87	P	P	14 48 48.1 -0.7
AF01	San Pedro de A	39.87 92	IAMS_20	IAMS_20	15 00 58.9
AF01	comp=Z,4um,21.0s	39.87 92	IAMS_20	IAMS_20	15 00 58.9
PB16	IPOC Station P	40.27 85	P	P	14 49 00.6 +2.0
PB16	comp=Z,3um,20.0s,baz=251,slo=31	40.27 85	IAMS_20	IAMS_20	15 01 09.0
PB16	IPOC Station P	40.27 85	P	P	14 48 58.3 -0.2
PB16	comp=Z,2um,20.0s	40.27 85	P	P	14 48 58.3 -0.2
PB18	IPOC Station P	40.59 84	IAMS_20	IAMS_20	15 01 21.3
PB18	comp=Z,12nm,1.9s	40.59 84	IAMS_20	IAMS_20	15 01 21.3
PB18	Visiviri	40.59 84	IAMS_20	IAMS_20	15 01 21.3
PB18	comp=Z,3um,22.0s	40.59 84	P	P	14 49 00.5 -0.6
PB18	Visiviri	40.59 84	P	P	14 49 00.5 -0.6
SALTA	comp=Z,26nm,2.0s	41.12 95	P	P	14 49 05.7 +0.3
LPAZ	La Paz	42.29 83	P	P	14 49 16.3 +1.1
LPAZ	comp=Z,2.1nm,1.2s,baz=253,slo=6.5,SNR=23	42.29 83	LR	LR	15 02 57.1
LPAZ	comp=Z,3um,20.0s,baz=251,slo=31	42.29 83	P	P	14 49 14.2 -1.0
LPAZ	La Paz	42.29 83	P	P	14 49 14.2 -1.0
LPAZ	comp=Z,50nm,1.5s	42.29 83	P	P	14 49 14.2 -1.0
LPAZ	La Paz	42.29 83	P	P	14 49 14.2 -1.0
LPAZ	comp=Z,24nm,1.8s	42.29 83	P	P	14 49 14.6 -0.6
LPAZ	La Paz	42.29 83	P	P	14 49 14.6 -0.6
LPAZ	comp=Z,4um,21.0s	42.29 83	eP	P	14 49 13.3 -1.9
LPAZ	La Paz	42.29 83	eP	P	14 49 13.3 -1.9
CZSB	Cruzeiro do Su	42.56 69	P	P	14 49 17.0 +0.3
CZSB	comp=Z,2um,21.0s,baz=265,slo=22	42.56 69	P	P	14 49 17.0 +0.3
CZSB	Cruzeiro do Su	42.56 69	eP	P	14 49 15.6 -1.1
CZSB	comp=Z,93nm,1.4s	42.56 69	eP	P	14 49 22.6 +0.9
OTAV	Otavalo	43.12 54	P	P	14 49 22.6 +0.9
OTAV	comp=Z,39nm,1.4s	43.12 54	P	P	14 49 22.6 +0.9
OTAV	Otavalo	43.12 54	P	P	14 49 22.6 +0.9
OTAV	comp=Z,19.1s,baz=211,slo=30	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,20nm,1.6s	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,454nm,comp=Z,20nm,1.6s	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,20nm,1.6s	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,19.1s,baz=211,slo=30	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,20nm,1.6s	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,19.1s,baz=211,slo=30	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,20nm,1.6s	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,19.1s,baz=211,slo=30	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,20nm,1.6s	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,19.1s,baz=211,slo=30	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,20nm,1.6s	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,19.1s,baz=211,slo=30	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,20nm,1.6s	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,19.1s,baz=211,slo=30	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,20nm,1.6s	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,19.1s,baz=211,slo=30	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,20nm,1.6s	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,19.1s,baz=211,slo=30	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,20nm,1.6s	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,19.1s,baz=211,slo=30	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,20nm,1.6s	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,19.1s,baz=211,slo=30	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,20nm,1.6s	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,19.1s,baz=211,slo=30	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,20nm,1.6s	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,19.1s,baz=211,slo=30	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,20nm,1.6s	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,19.1s,baz=211,slo=30	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,20nm,1.6s	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,19.1s,baz=211,slo=30	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,20nm,1.6s	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,19.1s,baz=211,slo=30	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,20nm,1.6s	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,19.1s,baz=211,slo=30	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,20nm,1.6s	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,19.1s,baz=211,slo=30	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,20nm,1.6s	43.12 54	P	P	14 49 21.2 -0.4
OTAV	Otavalo	43.12 54	P	P	14 49 21.2 -0.4
OTAV	comp=Z,19.1s,baz=211,slo=30	43.12 5			

Table with columns: Station ID, Name, Frequency, Mode, Power, and other technical details. Includes stations like YBH, OLIL, WVOR, AHID, etc.

Table with columns: Station ID, Name, Frequency, Mode, Power, and other technical details. Includes stations like RC01, SCM, L26K, SML, etc.

Table with columns: Station ID, Name, Frequency, Mode, Power, and other technical details. Includes stations like H18K, E24K, E23K, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, SNR, and other parameters. Includes stations like MNK, MNSK, MNR, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, SNR, and other parameters. Includes stations like MKAR, LSA, AAK, HYB, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, SNR, and other parameters. Includes stations like ESEN, AKAS, TAVA, etc.

Table with columns: GENI, Genym, 5.86 294, P, Pn, 15 09 43.1 +5.2, etc. Lists various seismic events with station names like Keravat, Rabaul, Charters Tower, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic events with station names like Kozani, Laimos Florina, Pentalos, etc.

Table with columns: PVO, KLV, KLV, Kalavryta, Ach, 2.54 167, AML, AML, Pn, Pn, 15 21 10.5 -0.7, etc. Lists seismic events with station names like MOKOCHONG, ZIRO, KOHIMA, etc.





11d 16h

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Includes stations like SCZT, LAY, MATB, VCHM, PTMZ, etc.

NEIC 11 16:32:19.7±1.7, 13.34N±0.07, 146.10E±0.05, h10km±2km, mb4.6/12, Error ellipse: s-maj=13.4km s-min=4.5km

IDC 11 16:32:29.4±2.2, 13.74N±1.45, 145.62E±0.09, h10km±15km, mb3.5/11, mbmp3.8/11, Error ellipse: s-maj=52.7km s-min=32.9km

ISC 11 16:32:22.0±0.8, 13.34N±0.08, 146.10E±0.1, h43km, n32, r150/33, mb3.9/17, South of Mariana Islands region

Main table for 11d 16h section, listing stations like GUMO, GUMU, GUMU, DPSS, etc. with their respective data.

IDC 11 16:33:25.7±1.1, 7.21S±154.88E, h0km, mb4.0/8, mbmp4.0/10, ML2.1/1, Error ellipse: s-maj=26.5km

NEIC 11 16:33:27.5±1.1, 7.09S±0.09, 154.9E±0.1, h10km±1km, mb4.2/10, Error ellipse: s-maj=20.2km s-min=12.0km

ISC 11 16:33:31.9±0.9, 7.1S±0.1, 154.8E±0.2, h41km, n26, r0574/26, mb4.0/12, Bougainville-Solomon Islands region

Main table for 11d 16h section, listing stations like RABL, KRVT, PMG, etc. with their respective data.

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comp=Z,0.4nm,0.6s,baz=245,slow=6.5,SNR=4.3 TORO Torodi Ar, Beas 152.84 285 PKPbc PKPbc 16 53 24.3 -1.3

IDC 11 16:33:58.9±1.0, 7.18S±155.01E, h0km, mb4.1/9, mbmp4.1/12, ML3.0/2, MS3.3/1, Error ellipse: s-maj=25.8km s-min=16.2km az=105.0

NEIC 11 16:34:01.3±1.4, 7.15S±0.06, 155.03E±0.09, h10km±1km, mb4.6/20, Error ellipse: s-maj=17.6km s-min=3.6km az=53.0

ISC 11 16:34:05.1±0.7, 7.16S±0.09, 154.9E±0.1, h41km, n37, r0594/36, mb4.3/17, Bougainville-Solomon Islands region

Main table for 2020 OCT section, listing stations like RABL, KRVT, PMG, etc. with their respective data.

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Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Includes stations like PB09, PB09, PB07, etc.

NEIC 11 16:54:59.7±1.8, 19.33N±0.04, 104.45W±0.05, h33km±6km, mb4.7/22, MD4.3/47(MEX), Error ellipse: s-maj=7.4km

MEX 11 16:55:01.2±0.8, 19.21N±104.47W, h26km±13km, MD4.3, Presumed earthquake

ISC 11 16:54:59.1±1.8, 19.28N±0.04, 104.46W±0.03, h33km±6km, n58, r028/89, mb4.7/11, Near coast of Jalisco

Main table for 592 section, listing stations like CIHU, CIHU, CEGR, etc. with their respective data.





Table with columns: WRA, ASAR, STKA, KSRS, PETK, CMAR, SONM, VNDA, QSPA, ILAR, MKAR, BDBF, TORD. Includes station names, coordinates, and times.

IDC 11 18:47:52.4-0.6,5.83S;153.87E,h0km,mb4.4/18,mbtm4.4/21,ML3.5/3,MS3.6/32,Error ellipse: s-maj=17.5km s-min=11.9km az=94.0

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists various stations like RABL, KRVT, PMG, etc.

Main table with columns: FITZ, DAV, KAPI, FORT, AFI, MBWA, RTBI, RPZ, MORW, JUNU, MJAR, RAR, TJN, KSRS, KSAR, WHN, USRK, USRK, HNS, BNX, GSI, PPT2, PPT2, XAN, XAN, KLR, PETK, PETK, CMAR, CMAR, PZH, XLT, XLT, HEH, HEH, HEH, HHC, NPW, LZH, LZH, MORE, MORE, MA2, BRDH, GTA2, GTA2, ULN, ULN, ULN, ULN, SONM, SONM, SONM, GOMU, GOMU, GOMU, VNDA, VNDA, VNDA, VNDA, SBA, SBA, SBA, SBA, EVN, EVN, EVN, PALK, PALK, KDAK, WMQ, WMQ, MKAR, MKAR, MKAR, MKAR, WUS, ZALV, ZALV, ILAR, ILAR, TARG. Includes station names, coordinates, and times.

Table with columns: KDJ, QSPA, QSPA, ASAI, KSH2, KSH2, BOOM, MAW, MAW, MAW, MAW, KURK, KURK, KURB, KURB, TKM2, NIL, KBK, CHMS, FRU1, AAK, AAK, AAK, AAK, AAK, AAK, OHH, NRK, ARK, BTK, KKAR, INK, BVAR, NVAR, PFO, RPN, ARTI, VYHS, ZST, GERS, BDBF, BDBF, TORD. Includes station names, coordinates, and times.

IDC 11 18:56:22.8-3.6,24.32S;179.86E,h504km,32km,mb3.3/5,mbtm4.3/6,Error ellipse: s-maj=88.3km s-min=27.6km az=162.0

Table with columns: DZM, CTA, STKA, ASAR, WRA, WRA, TXAR, SJJA, GUC, Code, Station Name, Az, Az', Phase ID, Time, Res. Lists various stations like DZM, CTA, STKA, etc.

11d 20h

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Maricunga, Raukumara Rang, Urewera, Tahuroa Road, etc.

NOU 11 19:05:01.3, 37°28'S, 176°68'E, h252km, MLV3.8/12, North Island, New Zealand
WEL 11 19:05:03.5, 0.6, 37°3'S, 177°7'E, h240km, 5km, M3.4/55, ML2.8/11, MLV3.4/55, Error ellipse: s-maj=6.1km s-min=4.0km az=101.9, confirmed

ISC 11 19:04:58.0, 2.2, 37°18'S, 176°80'E, 0.07, h275km, 12km, n127, s1975/154, North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like HAZ, RUGZ, URZ, TOZ, RRR, PKGZ, MXZ, MWZ, HRRZ, MWZ, MUGZ, MKAZ, TWGZ, RAGZ, GRZ, ALRZ, WMGZ, RTZ, PUKETITI, TLZ, MBAZ, MTHZ, MRHZ, RIGZ, RIGZ, AWAZ, WATZ, RAHZ, RATZ, NMHZ, WHHZ, PRGZ, RITZ, KNZ, KATZ, BKZ, BKZ, ARHZ, NTVZ, TMVZ.

2020 OCT

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KRVS, ETVS, MHGZ, WTVZ, TWVZ, TWVZ, OTVZ, SNVZ, SNVZ, NGZ, KWHZ, KWHZ, MCHZ, TUWZ, FWVZ, MAVZ, WHVZ, WHVZ, WCVZ, TRVZ, WNVZ, WNVZ, MOVZ, BHZ, BHZ, BHZ, PKVZ, PKVZ, MTVZ, KRHZ, KRHZ, KRHZ, CKHZ, CKHZ, CKHZ, VRZ, KAHZ, KAHZ, PUKENUI, PUKENUI, PUKENUI, PUKENUI, WAZ, TSZ, PRVZ, PRVZ, PRVZ, DVHZ, DVHZ, DVHZ, OMAHUTA, OMAHUTA, ANWZ, ANWZ, ANWZ, ANWZ, POWZ, POWZ, POWZ, PRWZ, PRWZ, PRWZ, BFZ, BFZ, BFZ, MRZ, MRZ, MRZ, CPWZ, CPWZ, CPWZ, HOWZ, HOWZ, HOWZ, HOWZ, KIW, KIW, KIW, TMWZ, TMWZ, TMWZ, MOUNT MORRISON, CANNON POINT, DUWZ, TRVZ, PAWZ, WEL, WEL, MSWZ, SNZO, TCW, TCW, PLWZ, TUWZ, NNZ, TNZ, GRZ, AKCZ, CMWZ, BSWZ, MRNZ, THZ, KHZ, KHZ, DSZ, GVTZ, LTZ, INZ, OKCZ, OKCZ, OKCZ, MHCZ, MHCZ, WACZ, ARZ, TMZ, ODZ, ODZ.

ISC 11 19:05:13.6, 3.5, 21°94'S, 176°88'W, h220km, 32km, mb3.4/8, mbtmp3.0/9, Error ellipse: s-maj=25.7km s-min=23.0km az=24.0

ISC 11 19:05:14.0, 1.1, 21°9S, 0.2, 176°9W, 0.2, h223km, n11, s074/10, mb3.5/8, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MSVF, CTA, STKA, ASAR, WRA.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like VANDA, QSPA, MAW, TXAR, AKASE, BRTR.

IDC 11 19:09:52.2, 1.8, 8°9'S, 153°32'E, h0km, mb3.6/4, mbtmp3.8/6, ML2.1/1, MS3.0/7, Error ellipse: s-maj=29.2km s-min=16.4km az=102.0

ISC 11 19:09:57.0, 1.7, 8°8'S, 0.10, 153°3E, 0.2, h35km, n11, s1949/8, mb3.6/4, MS3.1/3, D'Entrecasteux Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KRVT, KRVT, KRVT, PMG, PMG, PMG, PMG, PMG, HNR, HNR, WRA, ASAR, STKA, AFI, RPZ, MJAR, SONM.

DJA 11 19:13:47.3, 0.7, 4°5'S, 9°9'E, h10km, M4.4/18, mb5.5/1, mb4.2/3, MLV4.5/18, MW(B)5.0/1

IDC 11 19:13:59.4, 5.8, 1.24S, 101°09'E, h0km, mb3.5/4, mbtmp3.5/4, Error ellipse: s-maj=297.6km s-min=24.7km az=54.0

ISC 11 19:13:44.2, 3.2, 4°2'S, 0.1, 98°7'E, 0.2, h10km, n9, s0956/7, mb3.4/4, Southwest of Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KRJI, PPI, PPI, SSSI, SSSI, MNSI, MDSI, MDSI, WRA, ASAR, MKAR, ZALV.

IDC 11 19:19:41.2, 14.0, 5°47'S, 122°30'E, h0km, mb3.8/2, mbtmp3.7/3, ML3.7/1, Error ellipse: s-maj=352.4km s-min=190.3km az=44.0

DJA 11 19:20:26.0, 2.0, 8°S, 17°12'E, h278km, 15km, M3.0/6, M3.0/6

ISC 11 19:20:32.9, 2.6, 8°5'S, 0.4, 123°2E, 0.2, h250km, n7, s1523/7, Flores region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MMRI, MMRI, EDPI, EDPI, SOEI, SOEI, WSI, WRA, WRA, ASAR, STKA.

IDC 11 19:48:13.7, 6.5, 22°44'S, 178°23'W, h0km, mb3.9/3, mbtmp3.9/3, MS3.2/1, Error ellipse: s-maj=182.2km s-min=103.3km az=145.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MSVF, STKA, ASAR, WRA, HFS.

ISK 11 20:22:57.7, 38°25'N, 38°83'E, h5km, ML2.4/15, AFAD 11 20:22:58.2, 38°24'N, 38°85'E, h7km, 2km, ML2.5

ISC 11 20:22:58.4, 1.0, 38°26'N, 0.02, 38°84'E, 0.02, h8km, n9km, n28, s068/43, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MDYL, MDYL, MDYL, ESZG, ESZG, ELZG, ELZG, ELZG.



Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MAYA Malatya/Merkez, NARI Adyaman-Kaht, AKCD Akcadag, ATAB Bozova, etc.

IDC 11 20:22:55.1.1.7.83N.92.08E, h0km, mb3.5/7, mbmp3.5/9, ML3.5/2, MS3.1/6, Error ellipse: s-maj=21.9km s-min=17.9km az=178.0

ISC 11 20:22:58.6.1.1.7.8N.02.92E.1.0.1, h25km, n18, o:0560/9, mb3.5/7, MS3.3/4, Nicobar Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PALK Pallekele, CMAR Chiang Mai Arr, CMAR Diego Garcia H, etc.

IDC 11 20:31:07.9.63.0, 16.84S:177.66W, h501km, 44km, mb3.2/3, mbtmp4.0/4, Error ellipse: s-maj=1056.0km s-min=136.4km az=78.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MSVF Nonsavu, STKA Stephens Creek, WRA Warrungunga Arr, etc.

NEIC 11 20:32:17.4.2.0, 26.93S:0.07:177.3W:0.1, h124km, 5km, mb4.4/16, Error ellipse: s-maj=16.8km s-min=9.8km az=73.0

IDC 11 20:32:19.9.1.4.27.01S:177.56W, h138km, 12km, mb3.9/16, mbtmp4.3/18, MS3.4/2, Error ellipse: s-maj=17.1km s-min=13.7km az=80.0

ISC 11 20:32:20.6.0.4.27.04S:007.177.51W:0.09, h150km, n80, o:0957/3, mb4.2/25, 4D, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like RAO Raoul Island, MSVF Nonsavu, NIUE Niue, URZ Urewera, AFI Afiamalu, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like BSD Bornholm Skovb, MMAI Mount Meron Arr, BKRA Keskin Arr, etc.

IDC 11 21:12:18.6.5.8.7.79S:127.65E, h182km, 59km, mb3.1/2, mbtmp3.8/5, MS2.7/1, Error ellipse: s-maj=70.7km s-min=26.8km az=63.0, Banda Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KAPI Kappang, FITZ Fitzroy Crown, FITZ Fitzroy Crown, WRA Warrungunga Arr, etc.

NEIC 11 21:47:32.7.1.3.20.7S:0.1:178.0W:0.1, h507km, 9km, mb4.0/16, Error ellipse: s-maj=20.1km s-min=15.7km az=143.0

IDC 11 21:47:32.1.2.5.20.73S:178.00W, h501km, 24km, mb3.4/5, mbtmp4.3/7, Error ellipse: s-maj=31.1km s-min=23.9km az=74.0

ISC 11 21:47:34.6.0.8.20.6S:0.1:178.2W:0.1, h534km, n29, o:1213/1, mb4.0/14, 2C, Fiji Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MSVF Nonsavu, MSVF Nonsavu, DZM Mont Dzumac, MXZ Matakaua Point, etc.

NEIC 11 21:55:34.9.1.1.61.71N:0.03:150.52W:0.03, h58km, 3km, mb4.3/18, ML4.0/229, Mw4.0/75, ML3.8(AE)C, Error ellipse: s-maj=3.7km s-min=1.8km az=170.0, Moment Tensor Solution. Moment tensors: Scale 10^15Nm; Mno:4.2; Mno-0.25; Mno-1.7; Mno-3.8; Mno-0.24; Mno-1.5; Fault plane solution: Mw1.29000x10^15 NP1:0.2062000, 0.81.31000, 0.80.65000. NP2:0.248.08000, 0.12.74000, 1.136.74000. Principal axes: P 1.3272, P1g5.0000, Azm280.0000; N -0.0853, P1g5.0000; Azm22.0000; P -1.2418, P1g36.0000; Azm119.0000;

NEIC 11 21:55:34.7.1.61.73N:150.52W, h60km, mb4.3/18, ML4.0/229, Mw4.0/75, ML3.8(AE)C, Error ellipse: s-maj=3.7km s-min=1.8km az=170.0, Moment Tensor Solution. Moment tensors: Scale 10^15Nm; Mno:4.2; Mno-0.25; Mno-1.7; Mno-3.8; Mno-0.24; Mno-1.5; Fault plane solution: Mw1.29000x10^15 NP1:0.2062000, 0.81.31000, 0.80.65000. NP2:0.248.08000, 0.12.74000, 1.136.74000. Principal axes: P 1.3272, P1g5.0000, Azm280.0000; N -0.0853, P1g5.0000; Azm22.0000; P -1.2418, P1g36.0000; Azm119.0000;

IDC 11 21:55:34.2.2.61.82N:150.74W, h59km, 21km, mb3.8/15, mbtmp4.0/20, ML3.8/5, MS3.1/11, Error ellipse: s-maj=18.4km s-min=13.8km az=49.0

AEIC 11 21:55:35.6.1.2.61.69N:0.03:150.53W:0.05, h59km, 4km, Error ellipse: s-maj=3.7km s-min=3.3km az=181.0

ISC 11 21:55:34.8.0.6.61.71N:0.03:150.51W:0.03, h63km, 5km, n349, o:085/349, mb4.2/23, Southern Alaska

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Willow, SUSA Susitna One, SUSA Susitna One, SUSA Susitna One, etc.

Table with multiple columns containing station names, coordinates, and various data points. The table is organized into several vertical sections, each starting with a station name and followed by numerical values and codes. The data is presented in a structured, grid-like format.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Arctic Creek, Noatak River, G30M, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like HLID, HLID, 825nm,0.3s, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like PDP, Patillas Dam, PDP, Patillas Dam, etc.

Code Station Name Azimuth Phase ID Time Res ISC
HLID Hailey 0.90 148 Pg Pg 22:06 04.0 -0.3



Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Juan Diaz, Lajas Hojancha, Masaya, etc.

12d 22:55:23.1±0.7, 5.85S, 153.82E, h0km, mb4.3/14, mbmp4.3/16, ML2.6/1, MS3.2/8, Error ellipse: s-maj=18.5km s-min=13.6km az=87.0

NEIC 11 22:55:25.3±1.2, 5.79S, 0.08x153.84E±0.10, h10km±1km, mb4.4/18, Error ellipse: s-maj=17.7km s-min=12.5km az=61.0

ISC 11 22:55:28.4±0.6, 5.83S, 0.06x153.78E±0.09, h35km±n50, ±0.88/43, mb4.2/21, MS3.1/5, New Ireland region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Rabaul, Keravat, Warramunga, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Songoing Array, Songoing Array, Vanda, etc.

IDC 11 23:20:50.5±1.0, 9.29N, 177.13W±1.77, h0km, mb4.2/6, mbmp4.2/7, ML3.4/1, MS3.3/2, Error ellipse: s-maj=27.5km s-min=20.0km az=36.0

NEIC 11 23:20:55.2±1.5, 29.5S, 0.3x177.2W±0.1, h35km±2km, mb4.5/6, Error ellipse: s-maj=46.1km s-min=10.1km az=22.0

ISC 13 23:20:55.2±0.9, 29.74S±0.08, 177.4W±0.1, h35km±n29, ±1.22/24, mb4.4/9, Kermadec Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Raoul Island, Urewera, Charters Tower, etc.

IDC 11 23:42:24.8±5.8, 6.40S, 130.43E, h144km±55km, mb3.2/1, mbmp3.6/4, MS3.0/1, Error ellipse: s-maj=61.2km s-min=22.3km az=71.0, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Fitzroy Crossi, Warramunga, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Przhval'sk, Taragay, Kyrgyz, etc.

NEIC 12 00:01:01.2±1.1, 17.19N±0.07, 84.13W±0.05, h10km±2km, mb4.3/14, Error ellipse: s-maj=11.5km s-min=7.7km az=3.0

CATAC 12 00:01:02.8±0.5, 17°N, 3°E, h1km, M4.6/14, mB5.2/6, mB4.5/6, MLV4.5/14, Mw(mB4.6/6, Error ellipse: s-maj=7.9km s-min=5.7km az=69.5, confirmed

SSNC 12 00:01:05.1±3.0, 17.83N±84.39W, h28km±40km, MD3.9, ML3.8, Presumed earthquake

IDC 12 00:01:09.5±1.6, 17.87N±84.77W, h0km±mb3.3/3, mbmp3.4/6, ML3.1/3, MS3.1/6, Error ellipse: s-maj=21.4km s-min=14.5km az=75.0

ISC 12 00:01:00.8±0.6, 17.32N±0.04, 84.13W±0.05, h10km±n62, ±1.87/72, mb3.5/5, North of Honduras

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Universidad Ur, Varillal2, Sur Rio San Ju, etc.









Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like KIROV, NWAOW, NWAOS, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like JRO, KVAR, KIV, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like SOC, YPT, SAKB, etc.

Table with columns: Name, Comp, Az, El, Dist, P, S, R, T, etc. Includes entries like MOL Moide, RNP95 Sopachiv, BAL3X Balix, BUT Butte, etc.

Table with columns: Name, Comp, Az, El, Dist, P, S, R, T, etc. Includes entries like BSD Bornholm Skovb, ONER Baraj Valea Uz, HARR Harrow, etc.

Table with columns: Name, Comp, Az, El, Dist, P, S, R, T, etc. Includes entries like CPBX Cerro Prieto, HMU Henry Mountain, JAVC Javelin, etc.



Main table containing station names, call signs, frequencies, and other technical details for various radio stations across the region.







PSARD	Sardool	27.49 289	eP	P	00 36 27.0 +1.1
PBDV	Barranco-do-Ve	27.50 284	eP	I Amb	00 36 27.3 +1.3
PBDV			I Amb		00 36 56.7
PCVE	comp=Z,80nm,1.2s	27.54 285	eP	P	00 36 27.7 +1.5
PCVE	Castro Verde		I Amb		00 36 49.9
PMTG	Montargil	27.57 288	eP	I Amb	00 36 27.2 +0.7
PMTG			I Amb		00 37 23.0
NC204	NORSAR Array S	27.59 344	P	P	00 36 27.0 +0.4
MSFE	Esma-Masafi	27.60 103	P	P	00 36 27.6 +0.6
VAF	Ylistaro	27.63 356	eP	P	00 36 27.1 +0.3
MESJ	Messejana	27.66 285	eP	I Amb	00 36 28.2 +0.8
MESJ			I Amb		00 36 29.5
MESJ	comp=Z,23nm,0.9s	27.66 285	P	P	00 36 27.3 -0.1
MESJ	Messejana		I Amb		00 36 46.3
MESJ	comp=Z,26nm,0.8s	27.66 285	eP	P	00 36 28.9 +1.5
MESJ	Messejana	27.66 285	eP	P	00 36 28.9 +1.5
MESJ			I Amb		00 36 41.5
KIRV	Kirov	27.66 26	LR	LR	00 47 55.8
KIRV	comp=Z,571nm,18.1s	27.66 261	eP	P	00 36 27.5 +0.4
AVE	Averroes	27.80 275	P	P	00 36 27.8 -0.9
AVE			I Amb		00 37 14.6
PLOUS	Illinas do Louisa	27.80 286	eP	P	00 36 30.1 +1.5
PLOUS			I Amb		00 36 50.5
UOSS	Minazif	27.83 104	P	P	00 36 29.6 +0.5
UOSS	Minazif	27.83 104	P	P	00 36 29.3 +0.2
HATD	Hatta, Dubai	27.84 104	I P	P	00 36 29.7 +0.6
ASHO	Ashiyah	27.85 105	I P	P	00 36 30.0 +0.8
ALNE	Al Ain	27.92 106	I P	P	00 36 31.2 +1.4
PTEO	Sao Teotonio	28.09 285	P	P	00 36 36.0 +4.8
AB31	Akbulak array	28.14 50	P	P	00 36 31.4 -0.1
ABKAR	Akbulak array	28.14 50	P	P	00 36 31.5 0.0
EKA	Eskdalemuir Ar	28.27 324	P	P	00 36 30.9 -1.7
EKA	comp=Z,2.3nm,0.3s,baz=127,slo=9.4,SNR=2.4		LR	LR	00 48 37.0
EKA	comp=Z,596nm,20.1s,baz=130,slo=38	28.27 324	P	P	00 36 31.7 -0.9
EKA	Eskdalemuir Ar		pmax	pmax	
ESK	Eskdalemuir	28.28 324	P	P	00 36 31.6 -1.1
ESK	comp=Z,31nm,1.1s		pmax	pmax	
ESK	Eskdalemuir	28.28 324	P	P	00 36 31.6 -1.1
ESK	comp=Z,31nm,1.0s		I Amb	I Amb	00 36 41.4
ESK	Eskdalemuir	28.28 324	I P	P	00 36 32.1 -0.7
ESK	Eskdalemuir	28.28 324	I Amb	I Amb	00 36 31.4 -1.3
ESK	comp=Z,14nm,1.0s		I Amb	I Amb	00 36 33.7
ESK	Eskdalemuir	28.28 324	P	P	00 36 32.4 -0.3
EKB	Eskdalemuir	28.29 324	P	P	00 36 31.3 -1.5
EKB	comp=Z,34nm,1.1s		I Amb	I Amb	00 36 41.4
SOHO	SOHO	28.50 105	I P	P	00 36 37.0 +2.1
SOHO	comp=Z,35nm,1.1s		SNR=1.5		
EDI	Edinburgh	28.60 325	eP	I Amb	00 36 34.0 -1.6
EDI			I Amb		00 36 36.0
DOMB	Dombas	28.66 343	eP	P	00 36 35.2 -0.9
NEWG	New Galloway	28.68 323	eP	I Amb	00 36 35.1 -1.1
NEWG			I Amb		00 36 37.2
GALI	Galloway	28.80 322	eP	I Amb	00 36 35.3 -2.0
GALI			I Amb		00 36 38.4
IWEX	Carrickbyrne,	28.81 316	P	P	00 36 38.7 +1.3
DSB	Dublin	28.93 318	P	P	00 36 38.8 +0.2
EAB	Aberfoyle	29.29 324	eP	I Amb	00 36 39.5 -2.2
EAB			I Amb		00 36 42.2
MOL	Molde	29.48 342	eP	P	00 36 41.5 -1.7
CLGH	Cloghs, Cushen	29.61 321	eP	I Amb	00 36 43.9 -0.6
CLGH			I Amb		00 36 45.5
ARTI	Arti	30.11 36	LR	LR	00 50 23.6
ARTI	comp=Z,681nm,18.8s	30.11 36d	I P	P	00 36 48.1 -0.9
ARTI	Arti		P	P	00 37 42.8
ARTI			S	S	00 39 47.5
ARTI			pmax	pmax	00 41 47.4 +1.3
ARTI	comp=Z,6.0nm,1.1s		MLR	MLR	
ARTI	Arti	30.11 36	P	P	00 36 47.9 -1.1
ARTI			I Amb	I Amb	00 36 55.9
SJUJ	Sjulsmark	30.14 356	eP	P	00 36 48.5 -0.5
NNS	Namsos	30.30 348	eP	P	00 36 49.0 -1.4
IDGL	Inch Island, C	30.32 321	P	P	00 36 50.6 -0.2
LRW	Lerwick	30.33 333	I P	P	00 36 49.4 -1.4
IGLA	Glengowla, Co	30.66 317	P	P	00 36 55.4 +1.6
VAL	Valentia	30.66 314	P	P	00 36 54.9 +1.1
SVE	Sverdlodsk	31.41 37	eP	P	00 37 00.3 -1.1
TORD	Torodi Ar, Bea	31.43 231	eP	P	00 37 01.8 +0.8
TORD	comp=Z,8.1nm,0.6s,baz=35,slo=8.7,SNR=8.4		P	P	
TORD	comp=Z,8.1nm,0.6s		P	P	
TORD	Torodi Ar, Bea	31.43 231	P	P	00 37 00.4 -0.5
LEIR	Leirfjorden	31.59 350	eP	P	00 36 60.0 -1.8
STOK	Stokkveggen	31.81 362	eP	P	00 37 02.0 -1.8
KONS	Konsvik	31.95 350	eP	P	00 37 03.0 -2.0
VAGH	Vaagaholmen	32.15 350	eP	P	00 37 04.8 -1.9
APA	Apatity	32.04 5	eP	P	00 37 08.3 -0.1
APA			eS	eS	00 39 53.9
APA			S	S	00 42 20.7 0.0
APA			eS	eS	00 44 16.0 +2.5
APA	comp=Z,7.0nm,1.2s		pmax	pmax	
FAUS	Fauske	32.52 352	eP	P	00 37 09.2 -0.8
LODK	Lodwar	33.04 163	P	P	00 37 16.2 +1.0
STEI	Steigen	33.05 352	eP	P	00 37 13.2 -1.4
KTKI	Kautokeino	33.37 358	eP	P	00 37 17.2 -2.1
ARAO	ARCESS Array S	34.06 360	eP	P	00 37 21.4 -2.0
ARCES	ARCESS Array B	34.06 360	P	P	00 37 21.2 -2.2
ARCES	comp=Z,8.0nm,1.0s,baz=181,slo=8.5,SNR=14				
ARCES	ARCESS Array B	34.06 360	P	P	00 37 21.0 -2.5
CHM	Chimkent	34.10 65	eP	P	00 37 25.7 +1.6
CHM			pmax	pmax	
CHM	comp=Z,19nm,0.6s	34.10 65	eP	P	00 37 25.7 +1.6
JETT	Jettan, Norway	34.23 356	eP	P	00 37 23.0 -2.0
BRLS	Borolday	34.23 64	eP	P	00 37 25.8 +0.5
BRLS			pmax	pmax	
BRLS	comp=Z,12nm,0.9s	34.23 64	eP	P	00 37 25.9 +0.5
BRLS	Borolday		P	P	
TRO	Tromsø	34.39 355	eP	P	00 37 24.3 -2.0
BVAR	Borovoye Array	35.43 46	eP	P	00 37 35.0 -0.5
BVAR	comp=Z,2.3nm,0.5s,baz=101,slo=9.0,SNR=4.9				
AAK	Ala-Archa	37.68 64	LR	LR	00 56 34.1
AAK	comp=Z,443nm,19.5s,baz=289,slo=41				
AAK	Ala-Archa	37.68 64	eP	P	00 37 54.5 -0.5
AAK			pmax	pmax	
SGDS	Sogindya	37.70 63	eP	P	00 37 56.1 +1.0
KMBO	Kilima Mbogo	37.89 162	LR	LR	00 54 32.7
KUU	Kuryt	38.90 62	eP	P	00 38 06.7 +1.6
KUU			P	P	00 38 06.8 +1.6
AAA	Alma-Ata	39.39 63	eP	P	00 38 10.5 +1.3
AAA			pmax	pmax	
AAA	comp=Z,7.0nm,0.4s	39.39 63	eP	P	00 38 10.6 +1.3
AAA	Alma-Ata		P	P	
TNSS	Tian-Shan	39.43 63	eP	P	00 38 10.7 +0.8
TNSS	Tian-Shan	39.43 63	eP	P	00 38 10.8 +0.8

MDOK	Medeo	39.49 63	eP	P	00 38 11.6 +1.5
MDOK	Medeo	39.49 63	eP	P	00 38 11.7 +1.5
JMIC	Jan Mayen	39.99 343	LR	LR	00 56 19.7
KURBB	Kurchatov Arra	40.18 51	P	P	00 38 15.4 -0.2
KURBB	comp=Z,1.7nm,0.6s,baz=274,slo=8.7,SNR=12		S	S	
KURBB	comp=Z,1.7nm,0.6s		S	S	00 44 19.3 -1.5
KURBB	comp=Z,579nm,18.6s,baz=276,slo=44		LR	LR	00 59 56.1
KURK	Kurchatov	40.24 51	eP	P	00 38 16.0 -0.1
KURK	comp=Z,24nm,0.8s		pmax	pmax	
KURK	Kurchatov	40.24 51	P	P	00 38 15.3 -0.8
KURK	comp=Z,20nm,0.8s		I Amb	I Amb	00 38 24.8
TDK	Taldyqorghan	40.28 60	eP	P	00 38 17.7 +1.2
TDK	comp=Z,20nm,0.8s		pmax	pmax	
TDK	Taldyqorghan	40.28 60	eP	P	00 38 17.8 +1.2
TDK	comp=Z,20nm,0.8s		P	P	
SATY	Saty	40.49 63	eP	P	00 38 19.6 +1.2
SATY	comp=Z,15nm,0.9s		pmax	pmax	
SATY	Saty	40.49 63	eP	P	00 38 19.6 +1.2
SATY	comp=Z,15nm,0.9s		P	P	
DBIC	Dimbokro	40.51 232	P	P	00 38 20.4 +1.8
DBIC	comp=Z,6.8nm,0.5s,baz=45,slo=8.0,SNR=24		LR	LR	00 55 43.1
DBIC	Dimbokro	40.51 232	P	P	00 38 17.8 -0.9
DBIC	comp=Z,6.8nm,0.5s		pmax	pmax	
DBIC	Dimbokro	40.51 232	P	P	00 38 17.8 -0.9
DBIC	comp=Z,26nm,1.2s		I Amb	I Amb	00 38 21.1
DBIC	Dimbokro	40.51 232	P	P	00 38 20.6 +1.0
DBIC	comp=Z,26nm,1.1s		I Amb	I Amb	00 38 20.6 +1.0
KPKS	Kokpek	40.64 62	eP	P	00 38 20.6 +1.0
KPKS	Kokpek	40.64 62	eP	P	00 38 20.6 +1.0
BORG	Borgarnes	40.66 331	LR	LR	00 56 57.3
UZB	Uzynbulak	40.92 63	eP	P	00 38 23.4 +1.3
UZB	comp=Z,330nm,20.4s,baz=123,slo=39		P	P	
UZB	Uzynbulak	40.92 63	eP	P	00 38 23.4 +1.3
SHLS	Shalkode	41.24 63	eP	P	00 38 28.6 +4.0
SHLS	Shalkode	41.24 63	eP	P	00 38 28.6 +4.0
SEM	Semipalatinsk	41.28 52	eP	P	00 38 26.1 +1.2
SEM	Semipalatinsk	41.28 52	eP	P	00 38 26.2 +1.2
M3K1	Makanchi Array	42.81 57	eP	P	00 38 37.4 +0.1
M3K1	Makanchi Array	42.81 57	eP	P	00 38 37.4 +0.1
M3K1	comp=Z,15nm,0.5s,baz=270,slo=8.2,SNR=29		LR	LR	00 59 10.9
M3K1	comp=Z,512nm,18.6s,baz=268,slo=40		LR	LR	
M3K1	Makanchi Array	42.81 57	P	P	00 38 36.7 -0.6
SPB2	Spitsbergen Ar	42.96 357	P	P	00 38 36.7 -1.3
SPB2			I Amb	I Amb	00 38 46.4
SPB2	comp=Z,23nm,0.8s		P	P	
SPB2	Spitsbergen Ar	42.96 357	P	P	00 38 35.9 -2.2
SPB2	comp=Z,4.6nm,0.7s,baz=146,slo=12,SNR=6.3		LR	LR	
SPB2	Spitsbergen Ar	42.96 357	P	P	00 38 35.9 -2.2
SPB2	comp=Z,23nm,0.8s		LR	LR	
SPB2	Spitsbergen Ar	42.96 357	P	P	00 38 37.7 -0.4
SPB2	comp=Z,4.6nm,0.7s		pmax	pmax	
ZAAO	Zalesovo Array	44.09 46	P	P	00 38 46.6 -0.8
ZAAO			I Amb	I Amb	00 38 56.7
ZALV	Zalesovo Beam	44.09 46	P	P	00 38 46.9 -0.6
ZALV	comp=Z,11nm,0.4s,baz=268,slo=8.7,SNR=20		S	S	
ZALV	comp=Z,1.4nm,0.7s,baz=250,slo=17,SNR=4.2		S	S	00 45 18.6 +0.1
ZALV	comp=Z,331nm,18.3s,baz=270,slo=40		LR	LR	01 00 15.0
ZALV	comp=Z,11nm,0.4s		P	P	
ZSN	Zaisan	44.49 56	eP	P	00 38 52.1 +1.4
ZSN	Zaisan	44.49 56	eP	P	00 38 52.2 +1.4
DGZ	Jazzator, Alta	45.94 52	eP	P	00 39 03.1 +0.7
DGZ			pmax	pmax	
WMQ	Urumqi	47.03 60	eP	P	00 39 13.4 +2.4
WMQ			S	S	00 46 01.8 +0.5
WMQ	comp=Z,18nm,0.9s		pmax	pmax	
WMQ	comp=Z,510nm,20.1s		L	L	
WMQ	comp=Z,18nm,0.9s		pmax	pmax	
WMQ	comp=Z,510nm,20.1s		L	L	
WMQ	comp=Z,620nm,21.7s		L	L	
WMQ	comp=Z,420nm,24.1s		L	L	
NRIK	Nori'sk	47.16 25	P	P	00 39 11.3 -0.2
NRIK	comp=Z,3.9nm,0.5s,baz=246,slo=7.8,SNR=5.1		LR	LR	01 01 35.0
NRIK	Nori'sk	47.16 25	eP	P	00 39 11.9 +0.4
NRIK	comp=Z,245nm,19.1s,baz=268,slo=39		pmax	pmax	
NRIK	comp=Z,3.9nm,0.5s		P	P	
NRIK	Nori'sk	47.16 25	P	P	00 39 11.0 -0.4
NRIK	comp=Z,17nm,1.1s		I Amb	I Amb	00 39 19.8
NRIK	Nori'sk	47.16 25	P	P	00 39 25.6 -0.6
NRIC	comp=Z,18nm,1.1s		P	P	
SACV	Santiago Island	48.97 258	P	P	00 39 30.1 -0.7
HYB	Hyderabad	49.57 97	eP	P	00 41 24.5 -0.7
HYB			eP	eP	00 46 36.0 -1.7
HYB			eS	eS	00 39 44.3 -0.6
HYB	Ever				





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12z 0h

Main data table containing station names, coordinates, and various parameters. Includes columns for station name, coordinates, and multiple columns of numerical data.

CATAC 12 00:47:45.3±0.6, 14°N, 3°9'2W, h27km, 6km, M3.4/16, MLv3.4/16, Error ellipse: s-maj=9.8km, s-min=5.1km, az=51.8, confirmed

ISC 12 00:47:52.8±1.1, 14.01°N, 0°08'51.50W, 0.08, h23km, 16km, h23=179/41, Guatemala

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists various station codes and their corresponding data.



NEIC 12 01:00:53.2, 2.1, 14.95S, 0:08.74, 1W, 0.1, h69km, 9km, mb4.3/2, Error ellipse: s-maj=17.2km s-min=9.5km az=57.0

IDC 12 01:00:55.8, 1.8, 14.77S, 73.96W, h99km, 24km, mb3.2/2, mbmp3.9/6, Error ellipse: s-maj=43.5km s-min=11.2km az=36.0

ISC 12 01:00:54.4, 0.7, 14.91S, 0:07.73, 98W, 0.08, h89km, n46, i1557/48, mb4.1/4, Central Peru

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, ISC. Lists various seismic stations and their parameters.

DJA 12 01:05:28.9, 0.3, 1S, 3:12.2E, h10km, M3.7/13, MLv3.7/13, Minahasa Peninsula, Sulawesi

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, ISC. Lists seismic stations for the DJA event.

AFAD 12 01:11:55.5, 35:21N, 26:34E, h6km, 5km, MW3.8

IDC 12 01:11:56.0, 7.35, 71N, 26:30E, h0km, mb3.8/9, mbmp3.7/20, ML3.4/10, MS3.0/2, Error ellipse: s-maj=14.3km s-min=8.9km az=12.0

ISK 12 01:11:57.0, 35:68N, 26:24E, h11km, ML3.7/10

NEIC 12 01:11:57.2, 2.2, 35:56N, 0:08.26, 33E, 0.2, h10km, 1km, mb4.0/8, Error ellipse: s-maj=13.7km s-min=2.9km az=190.0

ATH 12 01:11:58.5, 35:63N, 26:31E, h22km, 3km, ML4.1/15, Latitude uncertainty: 1 km; Longitude uncertainty: 1 km

THE 12 01:11:58.7, 36:13N, 2:26E, h12km, 6km, M4.0/7, MLh4.0/7

GII 12 01:12:01.8, 0.0, 35:315N, 0:003.26, 534E, 0:001, h0km, MWS4.0, confirmed

ISC 12 01:11:59.5, 0.9, 35:56N, 0:03.26, 33E, 0:02, h28km, 8km, n153, i1964/16, mb3.9/10, Crete

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, ISC. Lists seismic stations for the Crete event.

Main table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, ISC. Lists seismic stations for various events.

Main table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, ISC. Lists seismic stations for various events.

IDC 12 01:12:54.3, 3.0, 6:15S, 146:68E, h61km, 26km, mb3.6/6, mbmp3.9/9, ML3.8/2, Error ellipse: s-maj=17.0km az=109.0

ISC 12 01:12:53.4, 1.1, 6:06S, 0:10.146, 6E, 0.2, h52km, n10, i085/11, mb3.9/6, Eastern New Guinea region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, ISC. Lists seismic stations for the Eastern New Guinea event.

12d 1h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Warramunga Arr, Alice Springs, Fitzroy Crossi, etc.

ISK 12 01:13:28.9,35:67N;26:24'E, h11km, ML3.1/5
ATH 12 01:13:29.6,35:65N;26:31'E, h16km,2km, ML3.4/13,
Latitude uncertainty: 1 km; Longitude uncertainty: 1 km
ISC 12 01:13:29.5;1.2,35.66N;0.03;26.30E;0.03, h16km,11km,
n27,-0845/37,Crete

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Siteia, Zakros, Agios Nikolaos, etc.

IDC 12 01:20:09.6;31.0,5:79N;125:29E, h0km, mb3.9/4,
mbtmp3.9/4, Error ellipse: s-maj=534.5km s-min=118.1km
az=152.0
MAN 12 01:20:40.0,3:89N;125:82E, h118km, MS3.6
ISC 12 01:20:37.0;1.3,3.7N;0.3;126.6E;0.7, h53km, n5,-01971/6,
mb3.7/4, Talaid Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Don Marcelino, Fitzroy Crossi, Warramunga Arr, etc.

SSNC 12 01:23:01.6;2.2,17.93N;81:49W, h15km,19km, MD3.8,
ML2.6, Presumed earthquake, North of Honduras

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Blossom Villag, LCCY, CBCY, etc.

IDC 12 01:35:09.0;6.0,35:69N;26:12'E, h0km, mb3.7/7,
mbtmp3.6/12, ML3.4/5, Error ellipse: s-maj=15.3km
s-min=10.5km az=4.0
ATH 12 01:35:10.4,35:64N;26:26'E, h7km,1km, ML3.5/15,
Latitude uncertainty: 0 km; Longitude uncertainty: 2 km
ISC 12 01:35:10.1,35:63N;26:25'E, h8km, ML3.5/10
THE 12 01:35:11.3,36:N;2:2'E, h20km;7km, M3.5/11,
ML3.5/11

AFAD 12 01:35:15.8,35:65N;26:53'E, h6km,4km, MW3.7
ISC 12 01:35:10.8;1.0,35:61N;0.02;26.26E;0.02, h13km,7km,
n85,-0122/123,mb3.7/6,Crete

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Siteia, Zakros, etc.

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Table with columns: ZKR, Zakros, 0.50 184, P, S, Pg, 01 35 19.8 -0.9, etc.

SJA 12 01:41:41.2;0.9,21:86S;68:67W, h129km,2km, ML3.6,
MW3.8
IDC 12 01:41:42.6;2.4,21:97S;68:00W, h101km,20km, mb3.9/3,
mbtmp4.0/7, MS4.6/1, Error ellipse: s-maj=38.6km
s-min=20.5km az=105.0
GUC 12 01:41:42.3;0.8,21:88S;68:65W, h117km,4km, ML3.6,
Presumed earthquake
VAO 12 01:41:43.8;2.1,21:82S;68:15W, h116km,9km, mb4.3,
Presumed earthquake

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IPOC Station P, San Pedro de A, etc.

IDC 12 01:41:41.3;0.7,21:88S;0:04;68:48W;0:07, h112km,8km,
n41,-01940/55,2C, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IPOC Station P, Diego Aracena, etc.

SSNC 12 01:45:14.3;0.7,84N;72:99W, h168km, MW3.1, Presumed
earthquake
RSNC 12 01:45:15.3;0.0,7N;3:7'3W, h147km,5km, M3.4,
mB5.0, mb3.8, ML3.0, Mw(MB)4.3
CATAC 12 01:45:15.9;0.9,7N;4:7'3W, h156km,13km, M3.8/6,
MLV3.8/6, Error ellipse: s-maj=11.9km s-min=5.6km
az=127.5, confirmed
ISC 12 01:45:14.2;1.3,6.87N;0:03;73:12W;0:04, h158km,2km,
n46,-01941/88, Northern Colombia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Barichara, Barrancabermej, etc.

FUNV 12 01:45:14.3;0.7,84N;72:99W, h168km, MW3.1, Presumed
earthquake
RSNC 12 01:45:15.3;0.0,7N;3:7'3W, h147km,5km, M3.4,
mB5.0, mb3.8, ML3.0, Mw(MB)4.3
CATAC 12 01:45:15.9;0.9,7N;4:7'3W, h156km,13km, M3.8/6,
MLV3.8/6, Error ellipse: s-maj=11.9km s-min=5.6km
az=127.5, confirmed
ISC 12 01:45:14.2;1.3,6.87N;0:03;73:12W;0:04, h158km,2km,
n46,-01941/88, Northern Colombia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Barichara, Barrancabermej, etc.



Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res, and various station identifiers. Includes stations like EGRO, AVE, PVAQ, PBV, PBA, etc.

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res, and various station identifiers. Includes stations like ZKR, AGNA, NPS, KARP, etc.

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res, and various station identifiers. Includes stations like GOLH, ELL, SULTU, INCE, etc.

12d 02:38:51.3±0.6, 35.75N±26.10E, h0km, mb3.9/14, mbtmp3.8/22, ML3.6/7, MS3.0/9, Error ellipse: s-maj=12.9km s-min=8.6km az=11.0° NEIC 12:02:38:52.8±2.6, 35.57N±26.24E±0.04, h1(0km±1km), mb4.2/11, Error ellipse: s-maj=7.7km s-min=3.1km az=213.0°

12d 02:38:52.5±0.3, 35.65N±26.25E, h11km, ML3.9/9, ATH 12:02:38:53.0±0.6, 35.61N±26.29E, h110km, 3km, ML4.1/15, Latitude uncertainty: 1 km; Longitude uncertainty: 1 km MCSM 12:02:38:53.7±3.3, 36°N±2°E±2.6E±, h18km±26km, mb3.8, mb3.9, ML3.8, Mw(mb)2.9 THE 12:02:38:53.9, 36°N±2°E±2.6E±, h10km±3km, M3.9/12, MLh3.9/12 AFAD 12:02:38:56.0, 35.70N±26.37E, h5km±3km, MW3.7

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MNK, ESDC, HFS, FINES, AKTO, AB31, etc.

SJA 12:02:45:24.5-0.8, 37.32S:75.25W, h81km, gkm, ML3.2, MW3.6, Off coast of central Chile

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LR03, BI02, G005, etc.

CATAC 12:03:36:13.1±0.5, 7°N:4°8'2W, h15km, M3.8/1.7, mb3.7/1.1, MLV3.9/1.7, Error ellipse: s-maj=8.2km s-min=3.8km az=13.1, confirmed

UPA 12:03:36:13.0±1.4, 6.66N:82.38W, h21km, M4.0, Presumed earthquake

UCR 12:03:36:14.7±0.8, 6.88N:82.70W, h0km, M3.7, Presumed earthquake

ISC 12:03:36:10.2±1.9, 6.61N:0.10:82.40W, h10km, n75, s1505/122.5C-2D, South of Panama

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LMNES, LIM02, G006, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PTAR3, TOS13, NELY, etc.

TRN 12:03:46:02.2, 15.77N-61.39W, h21km, MD3.7, North of Dominica, Leeward Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DWS, DVS, DLSB, etc.

IDC 12:03:58:19.7±8.8, 7°15'S:128°62'E, h69km, gkm, mb3.6/3, mbmp3.7/6, ML3.6/3, Error ellipse: s-maj=74.6km s-min=28.3km az=21.0

ISC 12:03:58:16.6±1.4, 7.0S:0.1:128.7E:0.1, h35km, n7, s1509/8, mb4.0/3, Banda Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BADI, BATI, FITZ, etc.

SNET 12:04:11:07.5±2.1, 12°27'N:87°72'W, h21km, ML3.3, Presumed earthquake

ISC 12:04:11:05.0±2.2, 12°10'N:007°87'78W, h0.04, h20km, gkm, n36, s1075/53, Near coast of Nicaragua

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CSGN, CRIN, POTN, etc.

MOS 12:04:11:25.7±1.3, 35°54'N:26°50'W, h14km, mb5.4/4.9, MS4.7/27, Error ellipse: s-maj=5.0km s-min=2.8km az=88.6

BUI 12:04:11:26.0, 35°60'N:26°30'E, h11km, mb5.3/2.4, mb5.2/2.2, MS5.0/53, MS7.4/8.2

ISK 12:04:11:26.7, 35°68'N:26°23'E, h9km, ML5.0/8, NEIC 12:04:11:27.6±2.1, 35°65'N:0.06±25E:0.02, h10km, 1km, mb5.4/152, MW5.2/23, MW5.2/38, Error ellipse: s-maj=10.1km s-min=3.4km s-min=3.4km, Moment Tensor Solution, Moment tensor: S1016Nm; Mr=6.02; Mw=0.42; Mw=6.44; Mw=5.59; Mw=0.65; Mw=0.77; Fault plane solution: M0:27000.1016° NP1:188.99000°, 652.79000°, -56.22000°. NP2:331.11000°, 648.55000°, -126.21000°. Principal axes: T: 6.5199, Plg2.0000°, Azm266.0000°, -1.3225, Plg26.0000°, Azm357.0000°; P: -7.8424, Plg64.0000°, Azm171.0000°; N: 1.3225, Plg26.0000°, Azm357.0000°

NEIC 12:04:11:27.0, 35°65'N:26°25'E, h10km, Moment Tensor Solution, Moment tensor: Scale 1017Nm; Mr=0.43±0.05; Mw=0.76±0.03; Mw=0.00±0.00; Mw=0.27±0.05; Mw=0.16±0.02; Mw=0.01±0.04; Fault plane solution: M0:17000.1017° NP1:37.00000°, 570.00000°, -21.00000°. NP2:134.00000°, 671.00000°, -158.00000°. Principal axes: T: 1.2100, Plg1.0000°, Azm265.0000°; N: -0.2900, Plg61.0000°, Azm174.0000°; P: -0.9200, Plg29.0000°, Azm356.0000°

ATH 12:04:11:27.9, 35°63'N:26°29'E, h8km, 1km, ML5.3/4.3, Latitude uncertainty: 0 km; Longitude uncertainty: 0 km

THE 12:04:11:28.3, 36°N:2°26'E, h1km, 3km, M5.2/12, MLh5.2/12

MCSM 12:04:11:28.1±0.4, 35°N:3°26'E, h14km, 2km, mb5.2, mb5.4, MLV5.3, Mw(mB)4.8

GFZ 12:04:11:29.1, 35°58'N:26°27'E, h15km, Mw5.2/90, Moment Tensor Solution, Moment tensor: Scale 1016Nm; Mr=5.59; Mw=1.29; Mw=6.88; Mw=0.98; Mw=1.40; Mw=0.58; Fault plane solution: M0:6.58717x1016° NP1:156.89363°, 644.81094°, -109.78567°. NP2:33.78220°, 648.45838°, -71.41345°. Principal axes: T: 7.1289, Plg1.8750°, Azm80.7498°, -1.2677, Plg13.8019°, Azm171.2106°, P: -5.8612, Plg76.0663°, Azm343.1675°; N: 1.2677, Plg13.8019°, Azm171.2106°

GFZ 12:04:11:29.1±0.1, 36°N:1°26'E, h10km, M4.9/143, mb5.4/106, mb5.1/143, Mw(mB)4.9/106

GCMT 12:04:11:30.6±0.1, 35°59'N:0.1:26°27'E:0.01, h22km, Mw=3.146, Moment Tensor Solution, Moment tensor: S74.0107, s146, c288; Duration: 180; Moment tensor: Scale 1017 Nm; Mr=0.31±0.02; Mw=0.76±0.01; Mw=1.07±0.02; Mw=0.23±0.03; Mw=0.12±0.01; Mw=0.16±0.03; Best double couple: M0:98500.1017° NP1:133.00000°, 689.00000°, -167.00000°. NP2:38.00000°, 678.00000°, -21.00000°. Principal axes: T: 1.0940, Plg6.0000°, Azm87.0000°; N: -0.2200, Plg66.0000°, Azm199.0000°; P: -0.8760, Plg24.0000°, Azm354.0000°; nstaz refers to body waves, cutoff=40s. nstaz refers to surface waves, cutoff=50s. Triangular moment-rate function

IDC 12:04:11:30.6±1.1, 35°74'N:26°16'E, h30km, 7km, mb4.7/37, mbmp4.8/49, ML4.5/12, MS4.6/92, Error ellipse: s-maj=8.3km s-min=6.7km az=168.0

AFAD 12:04:11:30.5, 35°75'N:26°17'E, h11km, 3km, MW5.0, GII 12:04:11:32.0±0.0, 35°35'N:0.004±26°53'E:0.01, h0km, h1km, Mw5.1, confirmed

PDG 12:04:11:35.4±0.5, 35°98'N:25°50'E, h13km, 11km, ML5.2/12, Error ellipse: s-maj=47.3km s-min=65.0km az=0.0

BGR 12:04:11:36.9, 35°43'N:24°30'E, h33km, mb4.8, Ms4.4

NAO 12:04:11:49.6, 37°30'N:23°47'E, h10km, MB4.2

ISC 12:04:11:29.0±0.4, 35.61N:0.02:26.28E:0.02, h23km, 2km, h23km, pP-P, N1306, s1911/1460, mb5.2/231, MS4.7/60, 100C-72D, Crete

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ZKR, ZKR, ZKR, etc.

Table with columns for station name, frequency, mode, and other technical details. Includes stations like KARP Karpathos, ASTA Astypalaia, and various other locations.

Table with columns for station name, frequency, mode, and other technical details. Includes stations like KTHA Kythira Island, AYDN Aydin, and various other locations.

Table with columns for station name, frequency, mode, and other technical details. Includes stations like CTYL Yalikoy Yolu, KNT Kendrikon, and various other locations.



IVA	Berane	8.78 328	↓Pn	Pn	04 13 35.5 +0.9
BUM	Brajići-Budva	8.82 132	↓Pn	Pn	04 13 34.1 -1.0
BUM		37.44	↓Pn	Sn	04 15 05.1 -8.6
CVDVA	Cernavoda	8.82 8	↓Pn	AML	04 13 36.5 +1.5
LISJ	El Lisan	8.85 117	↓Pn	Pn	04 13 34.9 -0.3
GHAJ	Ghor Haditha	8.86 116	↓Pn	Pn	04 13 34.0 -1.7
GHAJ	Ghor Haditha	8.86 116	↓Pn	Pn	04 13 35.6 0.0
GHAJ	Ghor Haditha	8.86 116	↓Pn	Pn	04 13 37.3 +1.7
LEHL	Lehliu	8.87 2	↓Pn	Pn	04 13 38.8 +3.1
IDAN	Idan	8.91 120	↓Pn	Pn	04 13 35.6 -0.7
IDAN		8.95 110	↓Pn	Sn	04 15 11.7 -4.2
KOME	Kolasin	8.94 326	↓Pn	Pn	04 13 38.8 +1.9
KOME			↓Pn	Sn	04 15 08.6 -8.1
GAZ	Gaziantep	8.95 77	↓Pn	Pn	04 13 37.3 +0.4
GAZ	Gaziantep	8.95 77	↓Pn	Pn	04 13 38.6 +1.6
HSUJ	Al Zarga	8.95 110	↓Pn	Pn	04 13 36.3 -0.6
KRMI	Paran Flat	8.96 125	↓Pn	Pn	04 13 36.0 -1.1
KRMI			↓Pn	Sn	04 15 12.5 -4.9
HUMR	Humele	8.97 354	↓Pn	Pn	04 13 39.5 +2.4
HUMR	Humele	8.97 354	↓Pn	Pn	04 13 39.3 +2.3
CEME	Cevo	8.99 323	↓Pn	Pn	04 13 37.2 -0.2
CEME			↓Pn	Sn	04 15 09.0 -8.9
TIRG	Tirgusor	8.99 10	↓Pn	AML	04 13 38.8 +1.5
TIRR	Tirgusor	8.99 10	↓Pn	Pn	04 13 38.9 +1.5
TIRR	Tirgusor	8.99 10	↓Pn	Pn	04 13 37.6 +0.3
TIRR	Tirgusor	8.99 10	↓Pn	Pn	04 13 38.5 +1.2
TIRR	Tirgusor	8.99 10	↓Pn	Pn	04 13 38.7 +1.4
ZFRI	Zfri	9.00 122	↓Pn	Pn	04 13 39.4 +2.1
ZFRI			↓Pn	Sn	04 15 12.5 -5.8
PRNI	Paran	9.01 123	↓Pn	Pn	04 13 38.1 +0.4
PRNI			↓Pn	Sn	04 13 36.9 -0.8
PRNI			↓Pn	Sn	04 15 13.2 -5.1
SULR		9.06 360	↓Pn	Pn	04 13 41.1 +2.8
SULR		9.06 360	↓Pn	Pn	04 13 43.5 +5.2
SJES	Sjenica	9.07 329	↓Pn	Pn	04 13 39.7 +1.2
MATE	Matera	9.07 307	↓Pn	Pn	04 13 37.4 -1.0
MATE	Matera	9.07 307	↓Pn	Pn	04 13 38.5 0.0
MATE	Matera	9.07 307	↓Pn	Pn	04 13 43.3 +4.8
HCY	Herceg Novi	9.13 321	↓Pn	Pn	04 13 44.8 +5.5
HCY	Herceg Novi	9.13 321	↓Pn	Pn	04 13 38.8 -0.5
HCY	Herceg Novi	9.13 321	↓Pn	Sn	04 15 12.5 -8.8
HCY			↓Pn	AML	04 13 40.3 +0.9
NKME	Niksic	9.13 324	↓Pn	AML	04 15 13.4 -8.1
NKME			↓Pn	AML	04 13 41.1 +0.5
HRFI	Mount Harif	9.22 125	↓Pn	Pn	04 13 41.1 +0.5
HRFI	Mount Harif	9.22 125	↓Pn	Pn	04 13 40.7 +0.1
HRFI	Mount Harif	9.22 125	↓Pn	Pn	04 15 19.7 -4.0
HRFI	Mount Harif	9.22 125	↓Pn	Pn	04 13 41.4 +0.2
SWQJ	Swaqa	9.26 115	↓Pn	Pn	04 13 42.9 +0.8
TOKA	Tokat	9.32 57	↓Pn	Pn	04 13 43.7 +1.5
SRE	Strehaia	9.35 346	↓Pn	Pn	04 13 43.7 +1.5
SRE	Strehaia	9.35 346	↓Pn	Pn	04 13 45.1 +2.7
JURR	Jurilovo	9.36 311	↓Pn	Pn	04 13 42.5 0.0
CUC	Castrocuco	9.37 301	↓Pn	Pn	04 13 43.7 +1.1
CUC	Castrocuco	9.37 301	↓Pn	Pn	04 13 44.5 +1.8
CUC	Castrocuco	9.37 301	↓Pn	Pn	04 13 44.0 0.0
PLE	Plijevlja	9.37 327	↓Pn	Pn	04 13 44.0 +1.3
PLE			↓Pn	Sn	04 15 18.9 -8.5
TPGR	Topolog	9.38 9	↓Pn	Pn	04 13 44.2 +1.5
TREB	Trebinje	9.40 321	↓Pn	Pn	04 13 42.0 -0.9
EIL	Elat	9.40 127	↓Pn	Pn	04 13 43.1 0.0
EIL			↓Pn	Sn	04 15 21.7 -6.4
EIL			↓Pn	AML	04 13 42.1 -1.0
EIL			↓Pn	AML	04 13 42.9 -0.7
EIL			↓Pn	Pn	04 13 42.3 -0.7
EIL			↓Pn	Sn	04 15 22.7 -5.4
EIL			↓Pn	Sn	04 13 43.3 -0.1
AQBJ	Aqaba	9.43 126	↓Pn	Pn	04 13 44.0 +0.4
BRY	Bratogost	9.44 323	↓Pn	Pn	04 13 44.2 +0.6
BRY	Bratogost	9.44 323	↓Pn	Pn	04 15 20.5 -8.6
ASF	Jabal al Asfar	9.46 108	↓Pn	Pn	04 13 44.0 0.0
ASF			↓Pn	Sn	04 15 25.3 -4.4
ASF			↓Pn	LR	04 18 29.5
ASF			↓Pn	AML	04 15 26.3 -1.0
ASF			↓Pn	Pn	04 13 47.8 0.0
GRER	Grat	9.52 275	↓Pn	Pn	04 13 50.8 +2.7
MDVR	Moldovita	9.61 341	↓Pn	Pn	04 13 50.0 +1.4
NEHR	Nehoiu	9.61 3	↓Pn	Pn	04 13 50.7 +2.0
ARR	Arges	9.63 353	↓Pn	Pn	04 13 50.0 +1.1
ARR	Arges	9.63 353	↓Pn	Pn	04 13 50.6 +1.6
VOIR	Voiron	9.67 355	↓Pn	Pn	04 13 51.4 +1.9
VOIR			↓Pn	Pn	04 13 51.3 +1.9
VOIR			↓Pn	Pn	04 13 51.5 +2.1
VOIR			↓Pn	Pn	04 13 51.2 +1.8
MLR	Muntele Rosu	9.68 359	↓Pn	Pn	04 13 49.9 +0.2
MLR			↓Pn	LR	04 18 29.5
MLR			↓Pn	AML	04 13 51.9 +2.3
MLR			↓Pn	Pn	04 13 52.1 +2.4
MLR			↓Pn	Pn	04 13 52.0 +2.4
MLR			↓Pn	Pn	04 13 52.5 +2.9
BISRR	Bisoca	9.94 2	↓Pn	Pn	04 13 53.4 +3.0
BISRR			↓Pn	Pn	04 13 53.6 +3.2
LOT	Lotru	10.02 350	↓Pn	Pn	04 13 53.0 +1.5
LOT	Lotru	10.02 350	↓Pn	Pn	04 13 53.0 +1.5
GZR	Gura Zlata	10.13 346	↓Pn	Pn	04 13 54.3 +1.2
GZR	Gura Zlata	10.13 346	↓Pn	Pn	04 13 54.2 +1.2
SCTR	Scantelesti	10.14 7	↓Pn	Pn	04 13 55.8 +2.7
PLOR	Plostina	10.24 1	↓Pn	Pn	04 13 57.3 +2.7

PLOR	Plostina	10.24 1	↓Pn	Pn	04 13 57.2 +2.7
VRI	Vrincioiaia	10.26 2	↓Pn	Pn	04 13 57.0 +2.3
VRI	Vrincioiaia	10.26 2	↓Pn	Pn	04 13 57.1 +2.3
VRI	Vrincioiaia	10.26 2	↓Pn	Pn	04 13 57.1 +2.3
TEKS	Tekeris	10.32 32	↓Pn	Pn	04 13 57.2 +1.6
DOPR	Dopca	10.37 357	↓Pn	Pn	04 13 58.6 +2.3
KEMA	Kemalye	10.37 366	↓Pn	Pn	04 13 60.0 +3.5
TURR	Turia	10.44 359	↓Pn	Pn	04 14 00.2 +3.0
GHRH	Ghrhr	10.48 4	↓Pn	Pn	04 14 00.7 +2.9
GHRH			↓Pn	Pn	04 14 00.9 +3.2
GHRH			↓Pn	Pn	04 14 01.4 +3.6
OZUR	Deva	10.49 358	↓Pn	Pn	04 14 00.6 +2.7
DEV	Deva	10.58 347	↓Pn	Pn	04 14 00.8 +1.7
DEV	Deva	10.58 347	↓Pn	Pn	04 14 01.3 +2.1
BZS	Buzias	10.61 342	↓Pn	Pn	04 14 01.1 +1.6
BZS	Buzias	10.61 342	↓Pn	Pn	04 14 01.1 +1.6
BZS	Buzias	10.61 342	↓Pn	Pn	04 14 00.9 +1.4
BZS	Buzias	10.61 342	↓Pn	Pn	04 14 01.1 +1.6
SURR	Surduc	10.62 344	↓Pn	Pn	04 14 01.8 +2.1
MDB	Medias	10.62 353	↓Pn	Pn	04 14 01.1 +1.3
PAOL	Paolisi	10.62 353	↓Pn	Pn	04 14 01.0 +1.3
ONER	Onera Vales Uz	10.72 0	↓Pn	Pn	04 14 01.3 +0.8
FRGS	Fruska Gora	10.74 0	↓Pn	Pn	04 14 03.0 +2.0
TESR	Tescani	10.90 1	↓Pn	Pn	04 14 05.2 +1.6
TESR	Tescani	10.90 1	↓Pn	Pn	04 14 05.5 +2.0
TESR	Tescani	10.90 1	↓Pn	Pn	04 14 05.1 +1.6
LEOM	Leova	10.96 7	↓Pn	Pn	04 14 08.6 +4.3
SIM	Simferopol'	11.08 30	↓Pn	Pn	04 14 08.4 +2.4
SIM			↓Pn	pmax	04 16 13.5
SIM			↓Pn	pmax	04 14 11.2 +3.2
SIM			↓Pn	smax	04 14 11.0 +2.8
KELT	Kelkit	11.21 62	↓Pn	Pn	04 14 11.2 +3.2
PURM	Purcari	11.24 13	↓Pn	Pn	04 14 11.0 +2.8
CJR	Cluj-Napoca	11.28 351	↓Pn	Pn	04 14 10.7 +1.9
CJR	Cluj-Napoca	11.28 351	↓Pn	Pn	04 14 10.6 +1.9
MARR	Marisel-Cluj	11.31 349	↓Pn	Pn	04 14 11.5 +2.1
BLV	Banja Luka	11.47 325	↓Pn	Pn	04 14 11.5 +0.1
BLV	Banja Luka	11.47 325	↓Pn	Pn	04 14 14.9 +3.5
DRGR	Drigr	11.49 348	↓Pn	Pn	04 14 16.6 +4.8
AMBH	Ambrzfalva	11.52 340	↓Pn	Pn	04 14 16.8 +4.8
INTR	Intodacua	11.58 307	↓Pn	Pn	04 14 13.7 +0.9
BURAR	Bucovina Array	12.06 334	↓Pn	Pn	04 14 20.9 +1.9
MORH	Mrgy, Hungary	12.06 334	↓Pn	Pn	04 14 21.0 +1.6
MORH	Mrgy, Hungary	12.06 334	↓Pn	Pn	04 14 21.2 +1.8
MORH	Mrgy, Hungary	12.06 334	↓Pn	Pn	04 14 21.7 +2.3
AQU	L'Aquila	12.07 308	↓Pn	Pn	04 14 22.7 +3.1
KOPT	Kop Dagji	12.07 64	↓Pn	Pn	04 14 23.0 +3.1
KOVH	Kovagototot	12.16 332	↓Pn	Pn	04 14 21.9 +1.2
LTVH	Ltavrits, Hu	12.21 346	↓Pn	Pn	04 14 26.2 +4.7
BMR	Baia Mare	12.23 351	↓Pn	Pn	04 14 26.2 +4.4
NRCA	Norcia	12.49 309	↓Pn	Pn	04 14 25.8 +0.4
ANN	Anapa	12.52 39	↓Pn	Pn	04 14 31.0 +5.4
ANN			↓Pn	pmax	04 16 46.2 +2.0
BSZH	Besenyaszg	12.52 341	↓Pn	Pn	04 14 30.6 +5.0
SORM	Soroca	12.61 6	↓Pn	Pn	04 14 30.1 +3.2
FDMO	Fiordimonte	12.62 310	↓Pn	Pn	04 14 27.7 +0.6
CESX	Cesi	12.72 307	↓Pn	Pn	04 14 30.8 +2.3
TRPA	Trpa	12.82 349	↓Pn	Pn	04 14 32.6 +2.9
KMPD	K-Podol'skiy	12.95 1	↓Pn	Pn	04 14 32.8 +1.3
BUD	Budapest	13.04 338	↓Pn	Pn	04 14 35.1 +2.3
SOC	Sochi	13.06 48	↓Pn	Pn	04 14 33.5 +0.5
SOC			↓Pn	MLR	04 17 00.5
VSLR	Veslyovelo	13.19 49	↓Pn	Pn	04 14 38.2 +3.4
PSZ	Piszkesteto	13.19 341	↓Pn	Pn	04 14 35.9 +1.1
PSZ	Piszkesteto	13.19 341	↓Pn	Pn	04 14 36.3 +1.4
PSZ	Piszkesteto	13.19 341	↓Pn	Pn	04 14 36.6 +1.8
PSZ	Piszkesteto	13.19 341	↓Pn	Pn	04 14 36.8 +2.0
ABAH	Abaujker	13.22 345	↓Pn	Pn	04 14 37.4 +2.2
MPLH	Magyarpolny	13.28 333	↓Pn	Pn	04 14 37.8 +1.8
MPLH	Magyarpolny	13.28 333	↓Pn	Pn	04 14 37.9 +1.8
UZHJ	Uzhgorod	13.34 348	↓Pn	Pn	04 14 39.7 +2.8
KOLS	Kolonickie sedl	13.64 349	↓Pn	Pn	04 14 45.4 -4.2
KOLS	Kolonickie sedl	13.64 349	↓Pn	Pn	04 14 45.4 -4.2
KOLS	Kolonickie sedl	13.64 349	↓Pn	Pn	04 14 51.9 +2.3
KOLS	Kolonickie sedl	13.64 349	↓Pn	Pn	04 14 45.3 +4.3
GEVA	Gevas	13.69 74	↓Pn	Pn	04 14 43.9 +2.1
KEST	Kesra	13.77 275	↓Pn	Pn	04 14 42.8 -0.1
KEST			↓Pn	LR	04 20 33.7
KEST			↓Pn	AML	04 14 43.5 +0.5
KEST			↓Pn	Sn	04 17 12.4 -2.8
KEST			↓Pn	Pn	04 14 42.2 -0.7
SOKA	Soboth	13.92 326	↓Pn	Pn	04 14 44.3 -0.5
SOKA			↓Pn	Sn	04 17 12.3 -6.3
VYHS	Vyhne	14.01 339	↓Pn	Pn	04 14 47.9 +2.0
VYHS	Vyhne	14.01 339	↓Pn	Pn	04 14 47.9 +2.0
VYHS	Vyhne	14.01 339	↓Pn	Pn	04 14 48.9 +3.0
OBKA	Obir	14.02 325	↓Pn	Pn	04 14 49.2 +3.0
OBKA			↓Pn	Sn	04 17 18.6 -2.4
HAKT	HAKKARI	14.14 77	↓Pn	Pn	04 14 52.2 -3.3
ARSA	Arzberg	14.14 329	↓Pn	Pn	04 14 51.3 +3.5
ARSA			↓Pn	ScP	04 23 38.7 +0.3
ARSA			↓Pn	ScP	04 14 50.8 +2.9
EPOS	Posof	14.14 60	↓Pn	Pn	04 14 52.3 -3.1
RONA	Rosalia, Aust	14.19 31	↓Pn	Pn	04 14 50.5 +2.1
RONA			↓Pn	P	04 14 56.2 +0.5
LABN	Labinsk	14.25 46	↓Pn	Pn	04 14 57.6 +1.2
LABN			↓Pn	pmax	04 14 52.9 +3.















SNOW	Snow King Moun	32.20	336	P	P	04 20 19.5	+0.3
HULI	Fort Hunter Li	32.51	316	IAMS_20	IAMS_20	04 32 54.6	
M63A	Gales Ferry	32.65	31	IAMS_20	IAMS_20	04 34 36.9	
DELO	Deloro Mine	32.79	22	Iamb	Iamb	04 21 36.9	
H17A	Grant Village	32.93	338	P	P	04 20 25.3	-0.3
LKWY	Lake	33.01	338	IAMS_20	IAMS_20	04 35 45.7	
YERR	Yerington	33.03	322	P	P	04 20 27.5	+1.0
SAO	San Andreas Ge	33.07	317	IAMS_20	IAMS_20	04 34 43.3	
CMB	Columbia Colle	33.13	320	IAMS_20	IAMS_20	04 34 51.6	
L61B	Northampton	33.14	29	IAMS_20	IAMS_20	04 35 00.4	
BBGH	Gun Hill	33.22	88	IAMS_20	IAMS_20	04 36 11.2	
YHH	Holmes Hill	33.36	338	P	P	04 20 29.9	+0.5
YHH	Holmes Hill	33.36	337	Iamb	Iamb	04 21 08.6	
YHB	Horse Butte	33.46	337	P	P	04 20 29.6	-0.6
K62A	Royalston	33.51	29	IAMS_20	IAMS_20	04 35 10.7	
MHC	Mount Hamilton	33.53	318	IAMS_20	IAMS_20	04 33 55.3	
WELL	Weller Preserv	33.59	320	IAMS_20	IAMS_20	04 33 49.7	
AGMN	Agassiz Nation	33.60	357	P	P	04 20 28.5	-2.6
AGMN	Agassiz Nation	33.60	357	P	P	04 20 29.4	-1.6
LAO	LASA Array	33.61	344	Iamb	Iamb	04 20 36.2	
MPK	Martis Peak	33.70	322	P	P	04 20 33.8	+1.4
HRV	Adam Dzewonsk	33.72	30	IAMS_20	IAMS_20	04 36 27.1	
HLID	Halley	33.81	333	Iamb	Iamb	04 21 12.0	
HLID	Halley	33.81	333	P	P	04 20 34.8	+1.6
HLID	Halley	33.81	333	P	P	04 20 34.8	+1.6
J61A	Chester	33.89	28	IAMS_20	IAMS_20	04 35 08.3	
BCYI	Bear Canyon	33.97	334	P	P	04 20 36.2	+1.5
BCYI	Bear Canyon	33.97	334	Iamb	Iamb	04 21 14.1	
LONY	Lake Ozonia	34.03	25	IAMS_20	IAMS_20	04 35 18.1	
MCMT	McKenzie Canyo	34.17	336	P	P	04 20 37.5	+1.1
HANOV	Hanover	34.29	28	IAMS_20	IAMS_20	04 35 38.0	
BOZ	Bozeman (W)	34.34	338	Iamb	Iamb	04 21 16.7	
FARB	Farallon Islan	34.62	317	IAMS_20	IAMS_20	04 33 58.3	
CVS	Carmenet Viney	34.63	318	IAMS_20	IAMS_20	04 34 29.5	
ORV	Orville	34.75	321	IAMS_20	IAMS_20	04 36 08.3	
MCCMN	Marconi Confer	34.79	318	IAMS_20	IAMS_20	04 34 41.7	
I62A	Tamworth	34.86	29	IAMS_20	IAMS_20	04 37 28.0	
LBNH	Lisboa	34.87	28	IAMS_20	IAMS_20	04 35 56.3	
EPL0	Experimental L	34.93	0	Iamb	Iamb	04 21 18.6	
BOAV	Boa Vista	34.98	107	P	P	04 20 43.0	-0.5
BOAV	Boa Vista	34.98	107	Iamb	Iamb	04 21 20.4	
BOAV	Boa Vista	34.98	107	eP	P	04 20 40.4	-3.1
WVOR	Wild Horse Val	35.02	327	pmax	pmax	04 20 45.2	+1.6
WVOR	Wild Horse Val	35.02	327	MLR	MLR		
WVOR	Wild Horse Val	35.02	327	P	P	04 20 45.1	+1.6
WVOR	Wild Horse Val	35.02	327	IAMS_20	IAMS_20	04 36 14.8	
WVOR	Wild Horse Val	35.02	327	P	P	04 20 45.8	+2.2
BUT	Butte	35.04	337	Iamb	Iamb	04 21 23.5	-0.3
BUT	Butte	35.04	337	P	P	04 20 43.4	+0.6
AONC	Vina, CA USA	35.32	321	IAMS_20	IAMS_20	04 34 44.6	
O03E	Paynes Creek	35.39	322	P	P	04 20 47.6	+0.9
H62A	Milan	35.48	28	IAMS_20	IAMS_20	04 36 23.4	
HATC	Hat Creek Radi	35.51	323	P	P	04 20 44.8	+0.6
HATC	Hat Creek Radi	35.51	323	Iamb	Iamb	04 21 54.7	
ULM	Lac du Bonnet	35.55	358	P	P	04 20 45.7	-2.2
ULM	Lac du Bonnet	35.55	358	eP	P	04 20 45.2	-2.7
ULM	Lac du Bonnet	35.55	358	Iamb	Iamb	04 21 22.9	
MOD	Modoc Plateau	35.55	325	P	P	04 20 44.8	+0.2
MOD	Modoc Plateau	35.55	325	Iamb	Iamb	04 21 26.9	
J08A	Circle Bar Ran	35.59	328	P	P	04 20 47.9	-0.6
PLID	Pearl Lake	35.71	333	P	P	04 20 49.7	+0.1
EGMT	Eagleton	35.82	342	P	P	04 20 50.5	+0.1
O02D	Mt. Diablo Mer	35.91	321	IAMS_20	IAMS_20	04 36 10.2	
KCPM	Cahto Peak	36.12	319	IAMS_20	IAMS_20	04 35 19.7	
BMO	Blue Mountains	36.12	331	P	P	04 20 53.9	+0.9
BMO	Blue Mountains	36.12	331	pmax	pmax		
BMO	Blue Mountains	36.12	331	MLR	MLR		
BMO	Blue Mountains	36.12	331	P	P	04 20 53.9	+0.9
BMO	Blue Mountains	36.12	331	IAMS_20	IAMS_20	04 37 45.7	
WVL	Waterville	36.17	30	IAMS_20	IAMS_20	04 38 10.0	
M03C	McCloud	36.19	323	P	P	04 20 53.5	-0.1
M03C	McCloud	36.19	323	Iamb	Iamb	04 22 02.4	
G62A	West of Eustis	36.26	28	IAMS_20	IAMS_20	04 36 48.3	
KHBM	Hayfork Bally	36.47	321	P	P	04 20 57.6	+1.5
KHBM	Hayfork Bally	36.47	321	IAMS_20	IAMS_20	04 36 27.8	
KMRM	Mali Ridge	36.51	320	P	P	04 20 57.3	+1.0
YBH	Yreka Blue Hor	36.82	323	P	P	04 20 58.4	-0.6
YBH	Yreka Blue Hor	36.82	323	pmax	pmax		
YBH	Yreka Blue Hor	36.82	323	P	P	04 20 58.4	-0.6
PKME	Peaks-Kenny Pk	36.87	29	IAMS_20	IAMS_20	04 38 34.2	
KMPM	Mount Pierce	36.88	320	P	P	04 21 01.1	+1.6
KMPM	Mount Pierce	36.88	320	Iamb	Iamb	04 21 41.6	
L04D	Klamath Falls	36.89	324	P	P	04 20 59.9	+0.2
L04D	Klamath Falls	36.89	324	Iamb	Iamb	04 21 37.9	
KHMM	Horse Mountain	36.91	321	P	P	04 21 00.3	+0.4
KHMM	Horse Mountain	36.91	321	Iamb	Iamb	04 21 38.9	
F10A	Beach Ranch, E	36.94	332	Iamb	Iamb	04 21 38.0	
JCC	Jacoby Creek,	37.06	321	P	P	04 21 01.4	+0.6
JCC	Jacoby Creek,	37.06	321	IAMS_20	IAMS_20	04 36 04.4	
JTMT	Jette	37.14	337	P	P	04 21 02.2	+0.6
G08A	Pilot Rock	37.23	320	P	P	04 21 03.6	+1.1
MACA	Manacapur-AM	37.24	116	P	P	04 21 02.3	-0.5
MACA	Manacapur-AM	37.24	116	Iamb	Iamb	04 21 41.1	
MACA	Manacapur-AM	37.24	116	eP	P	04 21 00.0	-2.8
KRMB	Red Mountain	37.40	322	P	P	04 21 05.7	+1.8
KRMB	Red Mountain	37.40	322	Iamb	Iamb	04 21 09.3	
KXSB	Camp Six Wrangl	37.57	322	IAMS_20	IAMS_20	04 37 07.8	

F64A	Sherman	37.76	29	IAMS_20	IAMS_20	04 39 16.7	
E09A	Wood Farm, Sta	37.77	332	P	P	04 21 07.0	+0.2
E62A	Clayton Lake	37.78	28	IAMS_20	IAMS_20	04 39 10.6	
WIFE	Three Sisters-	37.82	326	P	P	04 21 07.7	+0.1
WIFE	Three Sisters-	37.82	326	Iamb	Iamb	04 21 12.0	
LDM	Libby Dam	38.12	337	P	P	04 21 10.4	+0.6
HAWA	La Paz	38.31	331	IAMS_20	IAMS_20	04 38 49.7	
D62A	Allappot, All	38.34	27	IAMS_20	IAMS_20	04 39 48.5	
D08A	Wollman Farm,	38.53	332	P	P	04 21 14.3	+1.0
HOOD	Mount Hood Mea	38.59	338	P	P	04 21 14.5	+0.5
NEW	Newport	38.68	325	P	P	04 21 16.3	+1.7
C09A	Chrisman Ranch	38.80	333	Iamb	Iamb	04 21 53.8	
COR	Corvallis	38.97	326	IAMS_20	IAMS_20	04 38 12.6	
LTY	Liberty	39.48	331	Iamb	Iamb	04 21 59.7	
LPAZ	La Paz	39.82	140	P	P	04 21 23.9	-1.1
LPAZ	La Paz	39.82	140	pmax	pmax		
LPAZ	La Paz	39.82	140	P	P	04 21 25.2	+0.1
LPAZ	La Paz	39.82	140	eP	P	04 21 22.6	-2.4
PB18	Visviri	39.99	142	Iamb	Iamb	04 21 31.6	
PB18	Visviri	39.99	142	P	P	04 21 29.1	+2.8
AP01	Chacalluta	40.11	144	IAMS_20	IAMS_20	04 36 48.1	
PB12	IPOC Station P	40.31	144	IAMS_20	IAMS_20	04 37 03.5	
PB12	IPOC Station P	40.31	144	P	P	04 21 31.1	+2.6
FFC	Flin Flon	40.51	353	P	pmax	04 21 28.7	-0.9
FFC	Flin Flon	40.51	353	pmax	pmax		
FFC	Flin Flon	40.51	353	MLR	MLR		
FFC	Flin Flon	40.51	353	P	P	04 21 28.7	-0.9
FFC	Flin Flon	40.51	353	P	P	04 21 29.5	-0.1
PB16	IPOC Station P	40.56	143	P	P	04 21 30.3	+1.8
PSGC	Pisagua	41.22	145	P	P	04 21 38.8	+2.8
EDM	Edmonton	41.49	342	P	pmax	04 21 37.3	-0.5
EDM	Edmonton	41.49	342	pmax	pmax		
EDM	Edmonton	41.49	342	P	P	04 21 37.3	-0.5
PB11	IPOC Station P	41.61	145	Iamb	Iamb	04 21 40.7	
PB11	IPOC Station P	41.61	145	P	P	04 21 40.9	+1.7
GO01	Chusmiza	41.80	144	Iamb	Iamb	04 21 45.5	
GO01	Chusmiza	41.80	144	IAMS_20	IAMS_20	04 37 49.7	
GO01	Chusmiza	41.80	144	P	P	04 21 43.6	+2.5
TA01	Diego Arcena	41.97	146	P	P	04 21 42.7	+0.8
TA01	Diego Arcena	41.97	146	Iamb	Iamb	04 21 45.6	
TA01	Diego Arcena	41.97	146	P	P	04 21 43.4	+1.4
ITTB	Itaituba	42.16	114	eP	P	04 21 40.8	-2.9
ITTB	Itaituba	42.16	114	eP	P	04 21 53.0	-0.9
ITTB	Itaituba	42.16	114	eP	P	04 21 53.7	+1.4
PB08	IPOC Station P	42.19	144	P	P	04 21 45.6	-0.2
LLB2	Lillooet	42.48	334	P	P	04 21 52.0	
PB02	IPOC Station P	42.73	146	Iamb	Iamb	04 21 50.7	+2.4
PB07	IPOC Station P	43.07	147	P	P	04 21 52.5	+1.4
VILB	Vilhena	43.08	128	P	P	04 21 51.5	+0.3
VILB	Vilhena	43.08	128	Iamb	Iamb	04 22 02.1	
VILB	Vilhena	43.08	128	eP	P	04 21 49.2	-2.0
PB03	IPOC Station P	43.40	147	IAMS_20	IAMS_20	04 39 33.5	
PB03	IPOC Station P	43.40	147	P	P	04 21 56.1	+2.2
PB09	IPOC Station P	43.47	146	P	P	04 21 55.5	+1.0
PB05	IPOC Station P	43.83	148	Iamb	Iamb	04 22 00.8	
PB05	IPOC Station P	43.83	148	P	P	04 21 60.0	+2.8
PB06	IPOC Station P	44.03	147	Iamb	Iamb	04 22 02.5	
PB06	IPOC Station P	44.03	147	P	P	04 22 00.2	+1.3
FCC	Fort Churchill	44.04	360	P	pmax	04 21 57.1	-1.2
FCC	Fort Churchill	44.04	360	pmax	pmax		
FCC	Fort Churchill	44.04	360	P	P	04 21 57.1	-1.2
FCC	Fort Churchill	44.04	360	Iamb	Iamb	04 22 34.3	
AF01	San Pedro de A	44.98	146	P	P	04 22 07.7	+1.1
PB14	IPOC Station P	45.20	149	P	P	04 22 11.0	+2.7
CLDB	Colider	45.37	122	P	P	04 22 08.1	-1.4
CLDB	Colider	45.37	122	P	P	04 22 06.8	-2.7
CLDB	Colider	45.37	122	eP	P	04 22 19.7	-0.1
PTLB	Pontes e Lacer	45.45	130	P	P	04 22 10.6	+0.5
PTLB	Pontes e Lacer	45.45	130	Iamb	Iamb	04 22 12.4	
PTLB	Pontes e Lacer	45.45	130	eP	P	04 22 07.8	-2.2
BBSO	Serra de San D	45.50	133	eP	P	04 22 08.9	-1.6
SALTA	Serra de San D	47.01	145	P	P	04 22 24.5	+1.7
AC06	Mina Casimiro	47.53	151	Iamb	Iamb	04 22 29.7	
AC02	Maricunga	47.67	150	P	P	04 22 29.1	+1.2
AC02	Maric						



12d 4h

Table with columns for station name, frequency, power, and other technical details. Includes stations like TRO Tromso, HOMB Homborsund, KONO Kongsberg, etc.

2020 OCT

Table with columns for station name, frequency, power, and other technical details. Includes stations like CLL Colim, CLL Colim, CLL Colim, etc.

630

Table with columns for station name, frequency, power, and other technical details. Includes stations like MORC Moravsky Berou, MORC Moravsky Berou, RONA Rosalia, Austri, etc.



Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, ISC, h, m, s, ISC. Includes stations like HUEH Huehuetenango, HUEH Huehuetenango, HUEH Huehuetenango, etc.

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, ISC, h, m, s, ISC. Includes stations like ATH 12 04:26:37.8, 35:60N-26:27E, etc.

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, ISC, h, m, s, ISC. Includes stations like ZKMR Neapolis, NPS Neapolis, NPS Neapolis, etc.

AFAD 12 04:26:39.2, 36:40N-26:97E, h6km, 1km, ML1.9, Dodecanese Islands

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, ISC, h, m, s, ISC. Includes stations like YAZI Mula-Datša, BDRM Kayabasi, TURUN Turunc, etc.

IDC 12 04:29:44.4, 1.9, 20:37S-178:73W, h610km, 23km, mb2.9/8, mbmp3.8/9, Error ellipse: s-maj=27.6km s-min=19.2km, az=109.0

ISC 12 04:29:42.8, 0.8, 20:45S-178:6W, 0.2, h587km, n11, c114/10, mb3.5/8, Fiji Islands region

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, ISC, h, m, s, ISC. Includes stations like MSVF Nonavsu, YER Yerkesik, ANKY Antikythira Is, etc.

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, ISC, h, m, s, ISC. Includes stations like THERA Ancient Thera, THERA Ancient Thera, THERA Ancient Thera, etc.





Table with columns: Station Name, Time, Res, ISC, and various codes. Includes stations like MLSE Milas, KNDR Palaiochora Ch, YER Yerkesik, etc.

Table with columns: Station Name, Time, Res, ISC, and various codes. Includes stations like MMAI Giv'at Ha'Em, GEM KZIT, TIP Impingrande, etc.

Table with columns: Station Name, Time, Res, ISC, and various codes. Includes stations like n19, e187/31, Near coast of Chiapas, Code Station Name, etc.



AVCB		iS	Sn	06 07 45.3 +2.5	TPIG Tehuacan	6.64 306	Pn	06 08 31.1 +0.6	TOVM			Sn	06 10 42.1 +0.7
AVCB		IAML		06 07 50.8	TPIG Tehuacan	6.64 306j	eP	06 09 42.2 -2.7	TOVM TOLUCA	8.96 303	eP	Pn	06 09 03.4 +1.3
	comp=N,84um,0.6s							06 09 31.4 +0.9	TOVM		iS	Pn	06 10 42.1 +0.7
FAME	Alcaldia de Sa	P	Pn	06 07 25.6 +0.2	TPIG Tehuacan	6.64 306j	eP	06 09 42.2 -2.7	RAFA San Farael, Vo	8.97 120	eP	Pn	06 09 02.8 +0.5
SLOZ	Alcaldia de Sa	P	Pn	06 07 27.2 +0.3	SIUN Universidad Ur	6.76 96	Pn	06 08 32.8 +0.8	PCAYA Pacayans	8.89 120	eP	Pn	06 09 03.7 +1.2
JUAM	Asuncion Mita	P	Pn	06 07 28.0 +0.7	JALCO Jalcomulco	6.82 315	Pn	06 09 39.9 -9.2	ABR Las Abras (San	9.02 119	eP	Pn	06 09 03.9 +1.0
JUAM		IAML		06 08 01.1	JAUJ Jalcomulco	6.82 315	eP	06 09 39.9 -9.2	DEIG Demacu	9.02 310j	eS	Pn	06 09 04.3 +1.4
	comp=N,13um,0.9s							06 08 30.4 -2.4	DEIG Demacu	9.02 310	eS	Sn	06 10 53.7 +1.1
LOAL	Lomas de Alarc	P	Pn	06 07 28.3 +0.9	JALCJ Jalcomulco	6.82 315	iS	06 09 39.9 -9.2	DHIG Demacu	9.02 310	eP	Sn	06 09 04.3 +1.4
LOAL		P	Pn	06 07 55.8 +3.8	JALCJ La Cruz	6.86 120	eP	06 08 34.2 +0.9	DHIG Demacu	9.02 310	eP	Sn	06 10 53.7 +1.1
NUBE	Las Nubes	P	Pn	06 07 28.2 +0.3	CARN Rivas	6.90 119	eP	06 08 33.6 -0.2	VTVC Vercu, Calle Va	9.03 120	eP	Pn	06 09 03.4 +0.5
NUBE		P	Pn	06 07 54.4 +1.6	CRIG Fresnillo de T	7.01 299	eP	06 08 39.2 +1.0	FTIC El Cacho	9.05 120	eP	Pn	06 09 04.5 +1.2
NUBE	Las Nubes	iP	Pn	06 07 28.2 +0.3	FTIG Fresnillo de T	7.01 299j	eP	06 09 47.5 -6.4	VINA Juan Vinas	9.05 120	eP	Pn	06 09 04.5 +1.2
NUBE		iS	Sn	06 07 53.4 +0.5	FTIG Fresnillo de T	7.01 299j	eP	06 08 36.8 +1.3	RESJ San Isidro (Tu	9.07 119	eP	Pn	06 09 04.6 +1.1
NUBE		IAML		06 07 56.8	FTIG Fresnillo de T	7.01 299j	eS	06 09 47.5 -6.4	RVLA Villa Bonita	9.08 118	eP	Pn	06 09 04.7 +1.3
	comp=N,12um,0.8s							06 08 38.3 +0.5	TURIB Turrialba	9.10 120	eP	Pn	06 09 04.2 +0.4
CEVE	Cerro Verde	P	Pn	06 07 30.8 +0.7	MGIG Malinaltepec	7.18 292	eP	06 08 38.3 +0.5	LUCCO El Cacho	9.12 118	eP	Pn	06 09 04.5 +1.2
CEVE	Cerro Verde	P	Pn	06 07 30.9 +0.7	MGIG Malinaltepec	7.18 292j	eP	06 08 38.3 +0.5	BUSTI Rivas	9.24 122	eP	Pn	06 09 07.3 +1.3
CEVE		eS	Pn	06 08 00.3 +3.5	MGIG Malinaltepec	7.18 292j	eS	06 09 48.4 -1.0	CTUV Llano Grande	9.33 318	eP	Pn	06 09 11.4 +4.5
UNIC	Universidad Ca	P	Pn	06 07 30.4 +0.2	LAPC Finca la Perla	7.19 121	eP	06 08 37.9 +0.1	CTUV Llano Grande	9.33 318	eP	Sn	06 10 49.4 -0.6
UNIC		P	Pn	06 07 59.0 +2.0	ALIBA Liberia Airpor	7.19 123	eP	06 08 40.5 +2.7	CTUV Llano Grande	9.33 318	eP	Pn	06 09 11.4 +4.5
MTOS	Montecristo	P	Pn	06 07 32.5 +0.7	BUAI Buenos Aires	7.21 120	eP	06 08 39.4 +1.2	ATVM ATLACOMULCO	9.34 305	iS	Pn	06 10 49.4 -0.6
MTOS	Montecristo	P	Pn	06 07 32.4 +0.7	PEJA Penjamo Buenos	7.21 120	eP	06 08 39.4 +1.2	ATVM ATLACOMULCO	9.34 305	eP	Pn	06 10 49.4 -0.6
MTOS	Montecristo	iP	Pn	06 07 32.5 +0.7	TLIG Tlapa	7.24 295	eP	06 08 39.8 +1.1	ATVM ATLACOMULCO	9.34 305	eP	Sn	06 10 43.9 -6.7
ZAFR2	Estanuela, Za	iP	Pn	06 07 30.3 -1.2	TLIG Tlapa	7.24 295j	eP	06 08 39.8 +1.1	ATVM ATLACOMULCO	9.34 305	eP	Sn	06 09 09.0 +1.8
ESQJ	Esquipulas	P	Pn	06 07 32.9 +1.2	TLIG Tlapa	7.24 295j	eP	06 08 39.8 +1.1	EDME Pejibaye, P	9.60 123j	iP	Sn	06 10 43.9 -6.7
ESQJ	Esquipulas	P	Pn	06 07 32.9 +1.2	CLARA Aguas Claras	7.39 120	iS	06 08 39.8 +1.1	ATVM ATLACOMULCO	9.34 305	eP	Sn	06 10 43.9 -6.7
ESQJ	Esquipulas	P	Pn	06 07 30.3 +1.3	MESS Mesas	7.40 120	eP	06 08 41.7 +1.1	CEUA Pejibaye, P	9.60 123j	iP	Pn	06 09 12.6 +1.9
ESQJ	Esquipulas	eS	Pn	06 08 02.6 +2.9	VMAR Armenia, Volca	7.43 120	eP	06 08 41.7 +1.1	ZIIG Zihuatanejo	9.78 122	eP	Pn	06 09 15.2 +2.2
ESQJ	Esquipulas	eS	Pn	06 07 33.3 +0.6	COLC Coliupa	7.47 121	eP	06 08 42.9 +1.2	PAHP Patmar Norte	9.86 289	eP	Pn	06 09 14.4 +0.3
CEDA	San Andres	P	Pn	06 07 33.2 +0.4	CUI Cuipiapa	7.47 121	eP	06 08 42.9 +1.2	ZIIG Zihuatanejo	9.86 289j	eP	Sn	06 10 58.7 -4.3
CEDA	San Andres	eP	Pn	06 07 33.4 +0.4	CANAL Canalete	7.47 119	eP	06 08 42.9 +1.2	ZIIG Zihuatanejo	9.86 289j	eP	Sn	06 10 58.7 -4.3
JAYA	Jayaque - finc	P	Pn	06 07 33.4 +0.4	CRIG Cruz Grande	7.48 288	eP	06 08 42.9 +1.2	ZIIG Zihuatanejo	9.86 289j	eP	Sn	06 10 58.7 -4.3
JAYA		P	Pn	06 08 03.5 +1.8	CRIG Cruz Grande	7.48 288	eP	06 08 42.9 +1.2	CEUA Cerro Uatsi, L	9.87 119	iS	Sn	06 09 17.6 +1.6
JAYA	Jayaque - finc	iP	Pn	06 07 33.2 +0.3	CRIG Cruz Grande	7.48 288j	eP	06 08 40.9 -0.8	EDP2 Potrero Grande	10.00 123	eP	Pn	06 09 17.6 +1.6
JAYA		IAML		06 08 06.7	CRIG Cruz Grande	7.48 288j	eP	06 08 40.9 -0.8	PIRO Carate, Puerto	10.23 126	eP	Pn	06 09 22.0 +2.8
	comp=N,34um,0.3s							06 09 54.2 -1.1	MOIG Morelia	10.40 300	eP	Pn	06 09 24.3 +2.7
PMON	Piomonte	P	Pn	06 07 35.4 +1.2	CMARA Lajas Hojancha	7.62 126	eP	06 08 45.3 +1.6	MOIG Morelia	10.40 300	eP	Pn	06 09 24.3 +2.7
PMON		P	Pn	06 08 08.3 +4.2	TIMP Tierras Morena	7.63 121	eP	06 08 45.3 +1.6	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.2 +1.0
BOOS	Boqueron	eP	Pn	06 07 35.3 +0.7	CMAS Mesas	7.65 122	eP	06 08 45.3 +1.6	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.2 +1.0
UEES	Universidad Ev	P	Pn	06 07 35.5 +0.5	INDE Punta indio, G	7.65 122	eP	06 08 45.3 +1.6	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
UEES		P	Pn	06 08 09.7 +4.1	QUB Quebradon, Cot	7.71 120	eP	06 08 45.3 +1.6	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
LALI	Alcalda de L	P	Pn	06 07 35.9 +0.8	TYLA Tilaran	7.73 121	eP	06 08 45.3 +1.6	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
LALI		P	Pn	06 08 03.5 +1.5	NYRE Nandayure	7.77 125	eP	06 08 46.4 +1.2	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
LALI	Alcalda de L	P	Pn	06 07 35.7 +0.6	JTS Las Juntas de	7.84 122	eP	06 08 46.4 +1.2	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
SEMO	Seminario San	P	Pn	06 07 36.3 +1.0	JTS Las Juntas de	7.84 122	eP	06 08 47.0 +1.3	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
SEMO		P	Pn	06 08 08.1 +2.1	JTS Las Juntas de	7.84 122	eP	06 08 48.1 +1.4	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
UTEC	Universidad Te	P	Pn	06 07 36.5 +0.9	JTS Las Juntas de	7.84 122	eP	06 10 12.8 -1.1	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
UTEC		P	Pn	06 08 10.0 +3.5	JTS Las Juntas de	7.84 122	eP	06 10 12.8 -1.1	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
UTEC		P	Pn	06 07 35.5 +0.2	JTS Las Juntas de	7.84 122	eP	06 10 12.8 -1.1	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
TGIG		P	Pn	06 08 04.7 -2.0	JTS Las Juntas de	7.84 122	eP	06 10 12.8 -1.1	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
TGIG		eP	Pn	06 07 35.5 -0.2	JTS Las Juntas de	7.84 122	eP	06 10 12.8 -1.1	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
TGIG		eS	Pn	06 08 04.7 -2.0	JTS Las Juntas de	7.84 122	eP	06 10 12.8 -1.1	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
LOMA	Loma Larga	P	Pn	06 07 36.8 +0.5	JTS Las Juntas de	7.84 122	eP	06 10 12.8 -1.1	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
PANCS	Alcalda de	P	Pn	06 07 37.0 +0.7	JTS Las Juntas de	7.84 122	eP	06 10 12.8 -1.1	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
PANCS		P	Pn	06 08 03.5 +1.8	JTS Las Juntas de	7.84 122	eP	06 10 12.8 -1.1	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
PAVA	Las Pavas	P	Pn	06 07 39.4 +0.6	JTS Las Juntas de	7.84 122	eP	06 10 12.8 -1.1	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
COEG	Centro de Oper	P	Pn	06 07 40.6 +0.8	JTS Las Juntas de	7.84 122	eP	06 10 12.8 -1.1	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
COEG	Centro de Oper	eP	Pn	06 07 40.6 +0.8	JTS Las Juntas de	7.84 122	eP	06 10 12.8 -1.1	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
COEG	Centro de Oper	P	Pn	06 07 40.6 +0.8	JTS Las Juntas de	7.84 122	eP	06 10 12.8 -1.1	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
PETF	Presas 5 de nov	P	Pn	06 07 41.8 +1.9	JTS Las Juntas de	7.84 122	eP	06 10 12.8 -1.1	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
PETF	Flores	P	Pn	06 08 01.7 +1.7	JTS Las Juntas de	7.84 122	eP	06 10 12.8 -1.1	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
PETF	Flores	P	Pn	06 08 15.7 +1.4	JTS Las Juntas de	7.84 122	eP	06 10 12.8 -1.1	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
PETF	Flores	iP	Pn	06 07 41.6 +1.7	JTS Las Juntas de	7.84 122	eP	06 10 12.8 -1.1	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
PETF		IAML		06 08 18.6	JTS Las Juntas de	7.84 122	eP	06 10 12.8 -1.1	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
	comp=E,36um,0.7s							06 10 12.8 -1.1	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
PETF	Flores	P	Pn	06 07 41.6 +1.7	JTS Las Juntas de	7.84 122	eP	06 10 12.8 -1.1	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
PETF		eS	Pn	06 08 15.7 +1.4	JTS Las Juntas de	7.84 122	eP	06 10 12.8 -1.1	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
TECO	Alcaldia de Te	P	Pn	06 07 41.9 +0.6	JTS Las Juntas de	7.84 122	eP	06 10 12.8 -1.1	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
IZABA	Izabal, Puerto	P	Pn	06 07 45.4 +1.5	JTS Las Juntas de	7.84 122	eP	06 10 12.8 -1.1	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
IZABA		P	Pn	06 08 26.7 +5.3	JTS Las Juntas de	7.84 122	eP	06 10 12.8 -1.1	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
ALJI	Alcalda de J	P	Pn	06 07 46.4 +1.5	JTS Las Juntas de	7.84 122	eP	06 10 12.8 -1.1	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
ALJI	Alcalda de J	P	Pn	06 07 45.9 +1.1	JTS Las Juntas de	7.84 122	eP	06 10 12.8 -1.1	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
PACA	Pacayal	P	Pn	06 07 48.1 +0.8	JTS Las Juntas de	7.84 122	eP	06 10 12.8 -1.1	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
LCND	La Caada	P	Pn	06 07 54.2 +1.0	JTS Las Juntas de	7.84 122	eP	06 10 12.8 -1.1	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
CMIG	Mattias Romero	P	Pn	06 07 53.6 -0.4	JTS Las Juntas de	7.84 122	eP	06 10 12.8 -1.1	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
	comp=E,96nm,0.3s,baz=120,slow=9.7,SNR=50.5							06 10 12.8 -1.1	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
CMIG		P	Pn	06 08 34.8 -4.7	JTS Las Juntas de	7.84 122	eP	06 10 12.8 -1.1	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
	comp=E,64nm,0.5s,baz=319,slow=23,SNR=7.8							06 10 12.8 -1.1	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
TGUH	Teguicigalpa,Un	P	Pn	06 08 00.2 +1.3	JTS Las Juntas de	7.84 122	eP	06 10 12.8 -1.1	BRUZ Volcan	10.52 122	eP	Pn	06 09 24.8 +1.5
TGUH	Teguicigalpa,Un	P	Pn	06 07 59.9 +1.0									



12d 6h

Table with columns: Station Name, Frequency, Power, Direction, and Date/Time. Includes stations like NVAR Mina Array Bea, NVAR Kaiserslautern, KVN Kaiserslautern, etc.

2020 OCT

Table with columns: Station Name, Frequency, Power, Direction, and Date/Time. Includes stations like LLLB Lillooet, CLDB Colider, PTBL Pontes e Lacer, etc.

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Table with columns: Station Name, Frequency, Power, Direction, and Date/Time. Includes stations like PLCA Paso Flores, PLCA Paso Flores, PLCA Paso Flores, etc.



Table with columns: ID, Name, RA, Dec, Az, El, Type, and other parameters. Includes stations like N18K, E23K, H21K, etc.

Table with columns: ID, Name, RA, Dec, Az, El, Type, and other parameters. Includes stations like DOU, BMRD, BCLA, etc.

Table with columns: ID, Name, RA, Dec, Az, El, Type, and other parameters. Includes stations like VNA3, VNA1, VNA2, etc.

NEIC 12 06:32:02.1 ± 1.9, 6.0S:0.1, 150.55E:0.1, 10, h52km, 7km, mb4, 3.9, Error ellipse: s-maj=19.2km s-min=6.1km

IDC 12 06:32:02.4 ± 1.7, 5.99S: 150.55E, h57km, 18km, mb3.8/5, mbmp4.27, ML3.3/2, MS3.7/22, Error ellipse: s-maj=52.5km s-min=12.3km az=129.0

ISC 12 06:32:01.5 ± 0.6, 6.03S:0.10, 150.55E:0.1, h48km, n43, c1909/31, mb4.1/7, MS3.7/17, New Britain region

Table with columns: Code, Station Name, Az, El, Type, and other parameters. Includes stations like KRVT, KRVT, KRVT, etc.





Table with columns: Station ID, Name, Comp, Az, El, AzM, ElM, AzE, ElE, AzS, ElS, AzW, ElW, AzN, ElN, AzE, ElE, AzS, ElS, AzW, ElW, AzN, ElN. Includes stations like Z38A, 250A, 352A, etc.

Table with columns: Station ID, Name, Comp, Az, El, AzM, ElM, AzE, ElE, AzS, ElS, AzW, ElW, AzN, ElN, AzE, ElE, AzS, ElS, AzW, ElW, AzN, ElN. Includes stations like ANMO Albuquerque, TASM ASI, BIRD, etc.

Table with columns: Station ID, Name, Comp, Az, El, AzM, ElM, AzE, ElE, AzS, ElS, AzW, ElW, AzN, ElN, AzE, ElE, AzS, ElS, AzW, ElW, AzN, ElN. Includes stations like RSSD Black Hills, RSSD Black Hills, RSSD Black Hills, etc.





Table with columns: Code, Station Name, A°, AZ°, Phase, ID, Time, Res. Lists stations like ATKA, KOSE, KOKL, etc.

Table with columns: Code, Station Name, A°, AZ°, Phase, ID, Time, Res. Lists stations like TXAR, MKAR, AB31, etc.

Table with columns: Code, Station Name, A°, AZ°, Phase, ID, Time, Res. Lists stations like MT02, Curacav, MT02, etc.





Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like AK21 Malin Array Si, VRAC Vranov, GRENPS Varash, etc.

ASRS 12 09:54:50.0±1.7, 53°76'N-91°06'E, h0km, M3.2(MOS), The earthquakes of Russia in 2020. Obninsk, GS RAS, 2022.1

ISC 12 09:55:03.0±3.9, 53.77N, 01°19.00E, h0km, n10, 1977/14, 6C-8D, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like I46RU ZALESOVO INFRA, ZAAO Zalesovo Array, etc.

SCB 12 09:06:52.7±1.3, 17°45'S-63°86'W, h24km, 7km, ML3.9/2, Error ellipse: s-maj=6.1km s-min=3.7km az=0.0

VAO 12 09:06:55.6±0.4, 17°76'S-63°93'W, h154km, 7km, mb4.1, Presumed earthquake

ISC 12 09:06:58.0±1.0, 17.565N, 007°63.90W, 0.04, h35km, n23, 2571/31, Central Bolivia

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like AOEAI Aiquile, SIV San Ignacio, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like BBSD Serra de San D, BBOB La Paz, BBOB La Paz, etc.

MEX 12 09:22:00.6±0.5, 15°07'N-93°56'W, h124km, 72km, MD4.0, Presumed earthquake

GCG 12 09:22:03.5±2.3, 14°75'N-93°57'W, h36km, 27km, MD4.6, Presumed earthquake

ISC 12 09:21:53.6±2.2, 14°59'N, 01°19.32W, 0.08, h20km, 6km, n15, 1127/23, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like THIG Thiguito, PATR El Naranjo, PATR Pavencul, etc.

SCB 12 09:34:52.4±1.6, 21°48'S-66°74'W, h218km, 11km, MB5.8, ML3.9/3, Error ellipse: s-maj=6.3km s-min=3.9km

az=0.0, Southern Bolivia

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like MOCB Mochara, YJA Yajacaju, PB09 IPOC Station P, etc.

IDC 12 09:37:46.3±2.0, 7°50'S-129°22'E, h0km, mb3.3/1, mbtmp3.3/3, ML3.2/2, Error ellipse: s-maj=98.6km

s-min=20.9km az=67.0, Banda Sea

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

NMC 12 09:37:59.9±3.0, 50°76'N-73°79'E, h0km, mb3.2, mpv2.9, Error ellipse: s-maj=48.4km s-min=7.6km az=24.0

Suspected Mining explosion

IDC 12 09:38:05.1±3.7, 50°97'N-73°90'E, h0km, mbtmp2.7/3, ML2.0/3, Error ellipse: s-maj=37.2km s-min=25.2km

az=51.0

ISC 12 09:38:02.3±1.2, 52°11'N, 01°17.41E, 0.07, h0km, n8, 1154/7, 2C-5D, Central Kazakhstan

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like KURK Kurchatov, KURB Kurchatov Arra, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like MKAR 0.1nm, 0.3s, baz=323, slow=21, SNR=2.5, etc.

ATH 12 09:42:34.1, 35°57'N-26°31'E, h15km, 1km, ML2.8/8, Latitude uncertainty: 1 km; Longitude uncertainty: 1 km

THE 12 09:42:35.6, 36°N-3°26'E, h23km, 6km, M2.8/6, ML2.6/8

ISC 12 09:42:34.5±1.1, 35°56'N, 0°03.2627E, 0.03, h18km, 4km, n28, 4076/42, Crete

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like SIT2 Siteia, ZKR Zakros, ZKR Zakros, etc.

NEIC 12 09:48:06.2±1.1, 18°35'N, 01°178°0'W, 0.2, h634km, 6km, mb4.3/17, Error ellipse: s-maj=21.2km s-min=18.6km

az=85.0

IDC 12 09:48:07.0±1.4, 18°22'S-178°13'W, h653km, 16km, mb3.2/9, mbtmp4.2/11, Error ellipse: s-maj=20.7km s-min=13.3km

az=153.0

ISC 12 09:48:07.0±1.7, 18°22'S, 01°178°1'W, 0.1, h650km, n38, 4061/40, mb4.0/17, 1D, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like MSVF Nonsavu, MSVF Nonsavu, SANVU Saramoutou, etc.





OHR	Obhid	23.82 284	i P	P	11 52 27.1 +1.0
STHS	Stebnicka Huta	23.96 305	e P	P	11 52 29.1 +1.8
PHP	Peshkopja	24.02 285	e P	P	11 52 28.9 +0.9
KECS	Kecevo	24.27 302	e P	P	11 52 31.5 +1.4
SJES	Sjenica	24.27 289	i P	P	11 52 31.6 +1.3
LK2D	Lefkada island	24.29 278	i P	P	11 52 30.2 -0.2
SUW	Suwalki	24.31 316	e P	P	11 52 30.4 0.0
SUW	Suwalki	24.31 316	e P	P	11 52 30.1 -0.3
FRGS	Fruska Gora	24.38 294	i P	P	11 52 32.5 +1.2
NIE	Niedzica	24.56 304	e P	P	11 52 33.9 +1.1
NIE	Niedzica	24.56 304	e P	P	11 52 31.9 -1.0
PSZ	Piszkesteto	24.57 301	i P	P	11 52 32.9 -0.1
PSZ	Piszkesteto	24.57 301	i P	P	11 52 34.5 +1.6
PSZ	Piszkesteto	24.57 301	i P	Iamb	11 52 54.7
PSZ	Piszkesteto	24.57 301	e P	P	11 52 35.0 +2.0
TEKS	Tekeris	24.57 292	i P	P	11 52 33.9 +0.9
PABE	Paberze	24.58 320	e P	P	11 52 33.2 +0.4
PABE	Paberze	24.58 320	e P	P	11 52 33.5 +0.7
SRN	Sarande	24.59 281	e P	P	11 52 33.9 +0.8
KEK	Kerkira	24.77 281	e P	P	11 52 34.6 -0.2
PDG	Podgorica	24.84 287	i P	P	11 52 35.9 +0.5
PDG	Podgorica	24.84 287	i P	P	11 52 36.6 +1.2
PDG	Podgorica	24.84 287	e P	P	11 52 36.5 +1.1
PDG	Podgorica	24.84 287	e P	P	11 52 37.1 +1.7
BEL	Belisk	24.87 310	e P	P	11 52 36.3 +0.7
DRME	Dracevica, Mon	24.91 287	e P	P	11 52 37.2 +1.1
VSU	Vasula	24.96 328	e P	P	11 52 35.1 -1.1
ZSN	Zaisan	24.97 61	e P	P	11 52 38.1 +1.5
LANS	Liptovska Anna	25.05 303	e P	P	11 52 38.7 +1.5
URM	Unac-Piva	25.05 306	e P	P	11 52 38.7 +1.2
OJC	Ojcow	25.05 306	e P	P	11 52 38.5 +1.3
OJC	Ojcow	25.05 306	e P	P	11 52 36.6 -0.6
OJC	Ojcow	25.05 306	e P	P	11 52 38.6 +1.3
OJC	Ojcow	25.05 306	e P	P	11 52 39.2 +0.1
MORH	Mirgy, Hungar	25.25 296	i P	P	11 52 40.0 +1.0
MORH	Mirgy, Hungar	25.25 296	i P	P	11 52 39.1 +0.1
MORH	Mirgy, Hungar	25.25 296	i P	P	11 52 38.3 -0.7
KLINJ	Klinje	25.29 289	e P	P	11 52 41.7 +2.2
BRV	Bratogost	25.34 289	e P	P	11 52 40.7 +0.7
VYHS	Vyhne	25.35 302	e P	P	11 52 41.8 +1.9
VYHS	Vyhne	25.35 302	e P	P	11 52 41.9 +1.9
HCY	Herceg Novi	25.40 288	e P	P	11 52 41.0 +0.5
TREB	Trebjine	25.49 288	e P	P	11 52 42.1 +0.8
PBUR	Paburze	25.84 320	e P	P	11 52 45.3 +1.1
ARBE	Arbavere	25.87 329	e P	P	11 52 44.8 +0.3
OKC	Ostrava-Krasne	26.02 305	e P	P	11 52 48.0 +2.0
OKC	Ostrava-Krasne	26.02 305	e P	P	11 52 47.4 +1.4
MPLH	Magyarpolny	26.07 298	e P	P	11 52 46.9 +0.4
MPLH	Magyarpolny	26.07 298	e P	P	11 52 48.1 +1.5
JAVC	Velka Javorina	26.17 302	e P	P	11 52 49.2 +1.8
JAVC	Velka Javorina	26.17 302	e P	P	11 52 49.7 +2.2
BLV	Banja Luka	26.24 293	i P	P	11 52 48.6 +0.5
BLV	Banja Luka	26.24 293	i P	P	11 52 49.3 +1.2
BLV	Banja Luka	26.24 293	i P	P	11 52 50.0 +1.9
MODS	Modra-Piesok	26.37 301	e P	P	11 52 50.8 +1.6
MODS	Modra-Piesok	26.37 301	e P	P	11 52 51.1 +1.9
MORC	Moravsky Berou	26.39 304	i P	P	11 52 49.9 +0.5
MORC	Moravsky Berou	26.39 304	i P	P	11 52 50.5 +1.0
MORC	Moravsky Berou	26.39 304	i P	Iamb	11 52 51.6
MORC	Moravsky Berou	26.39 304	e P	P	11 52 50.4 +1.0
MORC	Moravsky Berou	26.39 304	e P	P	11 53 04.2
MORC	Moravsky Berou	26.39 304	e P	P	11 52 50.7 +1.2
ZAAO	Zalesovo Array	26.43 46	i P	P	11 52 50.0 +0.3
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 49.5 -0.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.4 +1.0
ZALV	Zalesovo Beam	26.43 46	e P	P	11 53 04.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.7 +1.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 49.5 -0.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.4 +1.0
ZALV	Zalesovo Beam	26.43 46	e P	P	11 53 04.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.7 +1.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 49.5 -0.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.4 +1.0
ZALV	Zalesovo Beam	26.43 46	e P	P	11 53 04.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.7 +1.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 49.5 -0.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.4 +1.0
ZALV	Zalesovo Beam	26.43 46	e P	P	11 53 04.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.7 +1.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 49.5 -0.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.4 +1.0
ZALV	Zalesovo Beam	26.43 46	e P	P	11 53 04.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.7 +1.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 49.5 -0.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.4 +1.0
ZALV	Zalesovo Beam	26.43 46	e P	P	11 53 04.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.7 +1.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 49.5 -0.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.4 +1.0
ZALV	Zalesovo Beam	26.43 46	e P	P	11 53 04.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.7 +1.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 49.5 -0.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.4 +1.0
ZALV	Zalesovo Beam	26.43 46	e P	P	11 53 04.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.7 +1.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 49.5 -0.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.4 +1.0
ZALV	Zalesovo Beam	26.43 46	e P	P	11 53 04.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.7 +1.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 49.5 -0.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.4 +1.0
ZALV	Zalesovo Beam	26.43 46	e P	P	11 53 04.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.7 +1.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 49.5 -0.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.4 +1.0
ZALV	Zalesovo Beam	26.43 46	e P	P	11 53 04.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.7 +1.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 49.5 -0.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.4 +1.0
ZALV	Zalesovo Beam	26.43 46	e P	P	11 53 04.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.7 +1.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 49.5 -0.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.4 +1.0
ZALV	Zalesovo Beam	26.43 46	e P	P	11 53 04.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.7 +1.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 49.5 -0.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.4 +1.0
ZALV	Zalesovo Beam	26.43 46	e P	P	11 53 04.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.7 +1.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 49.5 -0.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.4 +1.0
ZALV	Zalesovo Beam	26.43 46	e P	P	11 53 04.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.7 +1.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 49.5 -0.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.4 +1.0
ZALV	Zalesovo Beam	26.43 46	e P	P	11 53 04.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.7 +1.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 49.5 -0.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.4 +1.0
ZALV	Zalesovo Beam	26.43 46	e P	P	11 53 04.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.7 +1.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 49.5 -0.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.4 +1.0
ZALV	Zalesovo Beam	26.43 46	e P	P	11 53 04.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.7 +1.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 49.5 -0.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.4 +1.0
ZALV	Zalesovo Beam	26.43 46	e P	P	11 53 04.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.7 +1.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 49.5 -0.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.4 +1.0
ZALV	Zalesovo Beam	26.43 46	e P	P	11 53 04.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.7 +1.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 49.5 -0.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.4 +1.0
ZALV	Zalesovo Beam	26.43 46	e P	P	11 53 04.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.7 +1.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 49.5 -0.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.4 +1.0
ZALV	Zalesovo Beam	26.43 46	e P	P	11 53 04.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.7 +1.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 49.5 -0.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.4 +1.0
ZALV	Zalesovo Beam	26.43 46	e P	P	11 53 04.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.7 +1.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 49.5 -0.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.4 +1.0
ZALV	Zalesovo Beam	26.43 46	e P	P	11 53 04.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.7 +1.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 49.5 -0.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.4 +1.0
ZALV	Zalesovo Beam	26.43 46	e P	P	11 53 04.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.7 +1.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 49.5 -0.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.4 +1.0
ZALV	Zalesovo Beam	26.43 46	e P	P	11 53 04.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.7 +1.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 49.5 -0.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.4 +1.0
ZALV	Zalesovo Beam	26.43 46	e P	P	11 53 04.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.7 +1.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 49.5 -0.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.4 +1.0
ZALV	Zalesovo Beam	26.43 46	e P	P	11 53 04.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.7 +1.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 49.5 -0.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.4 +1.0
ZALV	Zalesovo Beam	26.43 46	e P	P	11 53 04.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.7 +1.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 49.5 -0.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.4 +1.0
ZALV	Zalesovo Beam	26.43 46	e P	P	11 53 04.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.7 +1.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 49.5 -0.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.4 +1.0
ZALV	Zalesovo Beam	26.43 46	e P	P	11 53 04.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.7 +1.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 49.5 -0.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.4 +1.0
ZALV	Zalesovo Beam	26.43 46	e P	P	11 53 04.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.7 +1.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 49.5 -0.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.4 +1.0
ZALV	Zalesovo Beam	26.43 46	e P	P	11 53 04.2
ZALV	Zalesovo Beam	26.43 46	e P	P	11 52 50.7 +1.2
ZALV	Zalesovo Beam				





Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res. Includes stations like KICM Kanaga Island, TAPA Tanaga Point A, ATKA Atka Island, etc.

NEIC 12 11:55:41.3, 1.23, 23.25S; 0.09; 175.09W; 0.08, h10km, 1km, mb4.5/15, Error ellipse: s-maj=19.3km s-min=7.5km

IDC 12 11:55:42.3, 1.2, 23.47S; 175.34W, h0km, mb4.3/4, mbmp4.4/7, ML5.0/2, MS3.3/7, Error ellipse: s-maj=35.9km s-min=19.9km az=159.0

ISC 12 11:55:43.0, 0.7, 23.16S; 0.09; 175.02W; 0.08, h30km, n32, e1557/28, mb4.4/12, MS3.2/4, Tonga Islands region

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res. Includes stations like NIUE Niue, MSVF Nonsavu, MSVF Fugatoga, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res. Includes stations like BKI Bering, BKI Bering, MKZ Mys Kozlova, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res. Includes stations like KDTR Khodutka, KDTR Khodutka, MIPR Malaya Ipe'ka, etc.

Table with columns: LMQ, La Malbaie, ASAR, Alice Springs, etc. Includes station names, coordinates, and time offsets.

IDC 12 13:30:37.01.1.8.3.31S:135.55E, h0km, mb3.7/4, mbtmp3.6/6, ML3.0/1, MS2.7/2, Error ellipse: s-maj=38.9km, s-min=18.2km az=61.0

ISC 12 12:41:31.8.1.7.3.65S:09.135.4E:0.2, h22km, n6, n183/10, Irian Jaya region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Lists stations like SIJI, WRA, FITZ, etc.

WEL 12 13:25:45.7.1.9.34'S:46.17'W:9.59, h344km, 38km, M3.8/4, ML3.7/7, MLV3.8/4, Error ellipse: s-maj=92.7km, s-min=31.5km az=125.7, confirmed, South of Kermadec Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Lists stations like WMGZ, PKGZ, HAZ, etc.

NNC 12 13:30:39.1.7.1.38.52N:71.97E, h0km, mb4.0, mpv3.8, Error ellipse: s-maj=50.8km s-min=37.5km az=166.0

ISC 12 13:30:27.6.0.9.38.00N:07.72E:0.1, h10km, n12, n3675/15, 5C-2D, Tajikistan

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Lists stations like IUG, MRKS, AAK, etc.

IDC 12 13:30:37.01.1.8.3.31S:127.34E, h0km, mb3.7/4, mbtmp3.6/5, ML3.3/1, MS2.7/2, Error ellipse: s-maj=136.7km s-min=20.2km az=70.0

DJA 12 13:30:42.7.0.4.1.N:3.12E:7.1, h21km, 4km, M3.6/7, MLV3.6/7

ISC 12 13:30:39.5.1.4.14N:0.1:127.0E:0.1, h10km, n10, n174/9, mb3.6/4, Northern Molucca Sea

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Lists stations like TINTI, MNI, SANI, etc.

Table with columns: KURBB, Kurchatov Arra, AKASA, Malin Array Br, etc. Includes station names, coordinates, and time offsets.

KRSC 12 13:38:40.2.1.9.4917N:156.22E, h81km, 26km, ML3.9, Kuril Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Lists stations like SKR, PAU, KDR, etc.

IDC 12 13:38:48.4.0.6.14.97N:119.14E, h0km, mb4.2/14, mbtmp4.2/15, ML3.7/1, MS3.0/4, Error ellipse: s-maj=29.4km s-min=13.2km az=69.0

NEIC 12 13:50:56.1.1.15.03N:08.119:1E:0.1, h10km, 1km, mb4.6/42, Error ellipse: s-maj=19.5km s-min=13.6km az=272.0

MAN 12 13:38:52.0.15.13N:119.09E, h21km, MS3.9, ISC 12 13:38:51.9.0.4.15.07N:04.119:08E:0.05, h22km, n89, n152/94, mb4.5/34, MS3.0/4, Luzon

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Lists stations like BOLP, PCPS, TG, etc.

CMAR Chiung Mai Arr 19.57 283 P 13 43 20.8 +0.9

CMAR Chiung Mai Arr 19.57 283 AML P 13 43 18.2 -0.3

JTU Tsushima 21.49 24 P 13 43 39.3 +0.1

BJT Baijaitau 24.98 355 P 13 44 13.3 -0.7

GNR Guam 25.03 90 LR 13 45 12.7

KNRA Kununura 32.01 162 P 13 45 16.0 -0.9

FITZ Fitzroy Crossi 33.59 169 P 13 45 28.9 -1.7

SONM Songino Array 34.32 345 P 13 45 36.5 -0.5

WBO Warramunga Arr 37.75 156 P 13 46 05.9 -1.7

WRA Warramunga Arr 37.89 156 P 13 46 05.9 -1.8

WRA Warramunga Arr 37.89 156 P 13 46 04.9 -1.8

WRA Warramunga Arr 37.89 156 P 13 46 06.5 -1.8

AS1 Alice Springs 41.14 159 P 13 46 33.5 -1.2

ASAR Alice Springs 41.14 159 P 13 46 33.7 -1.0

Table with columns: KURK, Kurchatov, PEAOB, Petrovavlovsk, PETK, etc. Includes station names, coordinates, and time offsets.

NR1K Noril'sk 57.74 347 P 13 48 40.8 0.0

NR1K Noril'sk 57.74 347 AML Iamb 13 48 41.4

TOO Toolangi 57.95 155 P 13 48 42.4 -0.3

AB31 Akbulak array 58.67 319 P 13 48 48.1 +0.4

AB31 Akbulak array 58.67 319 P 13 48 49.0

ABKAR Akbulak array 58.67 319 P 13 48 48.1 +0.4

BILL Bilibino 60.90 18 P 13 49 03.1 +0.4

ARTI ARTI 61.46 326 P 13 49 06.5 -0.2

J17K VABM Dome 73.00 28 P 13 50 20.4 +0.7

E19K Redstone River 73.78 24 P 13 50 25.2 +1.0

L18K Granite Mounta 74.11 29 P 13 50 27.4 +1.1

O18K Koktuh Hills 74.96 31 P 13 50 32.0 +0.7

G21K Allakaket 75.28 24 P 13 50 33.5 +0.6

G21K Allakaket 75.28 24 P 13 50 46.7

CAST Castle Rocks 76.14 28 P 13 50 38.9 +0.9

OHAK Old Harbor 76.20 34 P 13 50 39.2 +0.8

E24K Your Creek 77.05 23 P 13 50 44.1 +1.0

E24K Your Creek 77.05 23 P 13 50 45.6

BRTR Keskin Array B 77.07 308 P 13 50 44.6 +0.7

BRTR Keskin Array B 77.07 308 P 13 50 44.4 +0.5

CY604 RAF Akrotiri 77.25 302 P 13 50 45.5 +1.0

D25K Kavik River 77.62 21 P 13 50 46.9 +0.6

SPB2 Spitsbergen Ar 77.93 348 P 13 50 49.3 +1.5

SPB2 Spitsbergen Ar 77.93 348 P 13 50 49.4 +1.6

F25K Christian River 78.20 23 P 13 50 50.5 +1.0

F25K Christian River 78.20 23 P 13 51 32.5

FINES FINES Array B 78.33 331 P 13 50 50.0 -0.3

FINES FINES Array B 78.33 331 P 13 50 49.8 -0.4

BMAR Burnt Mountain 78.63 23 P 13 50 53.1 +1.2

E28M Babbage River 80.19 21 P 13 51 00.8 +0.5

E28M Babbage River 80.19 21 P 13 51 36.7

BCAR Beaver Creek A 80.78 27 P 13 51 04.2 +0.5

H29M Whitestone 81.31 24 P 13 51 07.0 +0.6

BURAR Bucovina Array 81.59 317 P 13 51 08.5 +0.2

I30M Mount Dempster 82.41 24 P 13 51 12.8 +0.5

I30M Mount Dempster 82.41 24 P 13 51 46.3

BBB Bella Bella 91.55 35 LR 14 31 51.8

PLCA Paso Flores 153.09 164 P 13 58 48.6 +0.3

IDC 12 13:49:58.9.2.8.26.62N:142.84E, h0km, mb3.6/5, mbtmp3.6/6, ML3.0/1, MS2.5/1, Error ellipse: s-maj=127.7km s-min=20.2km az=79.0

ISC 12 13:50:03.6.2.9.26.8N:02.143:0E:0.9, h35km, n7, n238/36, mb3.8/5, Bonin Islands region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Lists stations like MJAR, CMAR, WRA, etc.

MJAR Matsushiro Arr 10.56 339 P 13 52 30.1 -2.4

CMAR Chiang Mai Arr 41.30 268 LR 14 15 31.2

WRA Warramunga Arr 47.17 191 P 13 58 32.1 -0.7

ASAR Alice Springs 50.88 191 P 13 58 59.7 -1.6

MKAR Makanchi Array 51.23 310 P 13 59 05.0 +1.3

KURBB Kurchatov Arr 53.77 315 P 13 59 23.2 +0.8

FINES FINES Array B 78.56 334 P 14 02 03.6 +2.5

AFAD 12 13:53:44.4.35.21N:26.76E, h3km, 1km, MW3.4

IDC 12 13:53:44.6.1.0.35.13N:26.61E, h0km, mb3.7/5, mbtmp3.6/7, ML3.1/2, MS3.0/1, Error ellipse: s-maj=26.9km s-min=12.3km az=175.0

ISK 12 13:53:45.6.35.32N:26.53E, h5km, ML3.3/15

THE 12 13:53:45.7.35.16E:7.1, h0km, 4km, M3.2/4, MLh3.2/4

ATH 12 13:53:46.0.35.32N:26.59E, h5km, 1km, ML3.5/15

Latitude uncertainty: 1 km; Longitude uncertainty: 1 km

ISC 12 13:53:45.9.1.0.35.30N:02.03:26.60E:0.02, h6km, 8km, n83, n98/91/10, mb3.7/4, Crete

ZKR Zakros 0.36 240 P 13 53 52.9 -0.2

ZKR Zakros 0.36 240 P 13 53 58.9 +1.0

ZKR Zakros 0.36 240 P 13 53 52.8 -0.2

ZKR Zakros 0.36 240 P 13 53 58.8 +1.0

ZKR Zakros 0.36 240 P 13 53 52.7 -0.3

ZKR Zakros 0.36 240 P 13 53 58.1 +0.2

SIT2 Siteia 0.41 257 P 13 53 53.9 -0.1

SIT2 Siteia 0.41 257 P 13 53 59.8 +0.3

KARP Karpathos 0.52 61 P 13 53 55.6 -0.4

KARP Karpathos 0.52 61 P 13 54 03.8 -1.4

KARP Karpathos 0.52 61 P 13 53 55.6 -0.4

KARP Karpathos 0.52 61 P 13 54 03.4 +0.6

AGNA Agios Nikolaos 0.73 262 P 13 53 59.8 -0.2

AGNA Agios Nikolaos 0.73 262 P 13 54 09.3 -0.2

NPS Neapolis 0.81 268 P 13 54 01.7 +0.1

NPS Neapolis 0.81 268 P 13 54 12.8 +0.7

NPS Neapolis 0.81 268 P 13 54 01.8 +0.3

NPS Neapolis 0.81 268 P 13 54 12.3 +0.3

NPS Heraklion 1.25 271 P 13 54 10.4 +0.4

IACM Astypalaea 1.26 351 P 13 54 26.3 +0.1

ASTA Astypalaea 1.26 351 P 13 54 10.4 +0.3

ASTA Astypalaea 1.26 351 P 13 54 26.8 +0.3

IDI Anoyia 1.40 270 P 13 54 12.2 +0.2

IDI Anoyia 1.40 270 P 13 54 31.6 +0.8

IDI Anoyia 1.40 270 P 13 54 12.4 -0.1

IDI Anoyia 1.40 270 P 13 54 31.8 +1.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Anoyia, Ancient Thera, Santorini-Mono, Thira Island, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Carolina, Mapu, Rust, Hoed, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Virojoki, Ruokolahti, Pernaja, FINESS Array S, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Jayapura, Warramunga Arr, Alice Springs, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Helfaut, Cleveville, Paris, Saint-Ouen-de-Sormet, etc.

Table with columns: WLS, FRNF, CHMF, LBL, Station Name, Azimuth, Phase ID, Time, Res.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Warramunga Arr, Alice Springs, Stephens Creek, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Charters Tower, Warramunga Arr, Lajitas Array, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Kinaliq, Akhty, Gabala, Qasar, Kasmkent, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, and various seismic events with their respective parameters.

NEIC 12 14:51:51.7-1.21.94S:0.03:70.08W:0.06, h72km, 4km, mb4.2/9, ML4.0(GUC), Error ellipse: s-maj=8.4km

IDC 12 14:51:51.9-3.0.21.98S:69.70W, h67km, 26km, mb3.6/3, mbmp3.8/6, Error ellipse: s-maj=44.5km s-min=21.9km

SJA 12 14:51:51.8-0.9.21.97S:69.96W, h71km, 6km, ML4.1, MW3.6

GUC 12 14:51:53.3-0.9.21.94S:69.97W, h70km, 3km, ML4.0, Presumed earthquake

ISC 12 14:51:51.4-0.7.21.96S:0.03:70.07W:0.05, h74km, 5km, n73, s1915/87, mb4.0/3,7C-3D, Near coast of northern Chile

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like PB07 IPOC Station P, PB07 IPOC Station P, PB07 IPOC Station P, and various seismic events with their respective parameters.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like PB11 comp=N,754nm,0.3s, PSGCX Pisagua, PSGCX Pisagua, GO01 Chusmiza, GO01 Chusmiza, and various seismic events with their respective parameters.

IDC 12 15:14:10.9-1.0.1.24S:134.83E, h0km, mb3.8/5, mbmp4.0/9, ML4.2/4, Error ellipse: s-maj=21.0km

DJA 12 15:14:13.3-0.7.1.54S:133.5E, h11km, 6km, M4.5/16, mb4.5/8, MLV4.5/16

NEIC 12 15:14:15.5-1.4.1.34S:0.08:134.90E:0.02, h34km, 6km, mb4.0/10, Error ellipse: s-maj=12.1km s-min=3.3km

ISC 12 15:14:15.1-1.0.8.1.35S:0.07:134.90E:0.04, h35km, n28, s1949/35, mb3.9/7, Irian Jaya region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like MWPI Manokwari, MWPI Manokwari, BAKI Biak, BAKI Biak, and various seismic events with their respective parameters.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like ASAR comp=2.0,7nm,1.1, ASAR Alice Springs, INKA comp=2.6,2nm,0.6s, INKA Innamica, and various seismic events with their respective parameters.

MEX 12 15:25:22.8-1.1.15.03N:93.25W, h14km, 19km, MD4.2, Presumed earthquake

GCG 12 15:25:23.5-1.4.15.06N:93.03W, h58km, 20km, MD4.4, ML4.4, Presumed earthquake

NEIC 12 15:25:23.1-0.14.9N:0.1:93.00W:0.04, h79km, 11km, mb4.2/38, Error ellipse: s-maj=19.0km s-min=4.9km

IDC 12 15:25:26.3-6.9.14.95N:93.00W, h105km, 54km, mb3.4/2, mbmp3.9/3, MS2.7/5, Error ellipse: s-maj=149.5km

ISC 12 15:25:20.7-1.2.14.86N:0.06:93.23W:0.03, h43km, 14km, n70, s298/69, mb4.4/20, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like THIG THIG, PATR El Naranjo, PAVE Pavencul, PAVE Union Juarez, and various seismic events with their respective parameters.

SAND Sanderson 17.12 333 Iamb Pn 15 29 18.1 +1.3

TX31 Lajitas Arr. Si 17.34 328 P P 15 29 22.0 +1.4

TXAR Lajitas Array 17.34 328 P P 15 29 21.4 +0.8

TXAR Soccs Landing, 17.85 5 P P 15 29 22.1 +1.5

LP1G La Paz 18.53 302 LR LR 15 30 52.6

PECS Pecos 19.11 331 P P 15 29 41.1 +1.1

VHRN Van Horn 19.18 328 P P 15 29 42.2 +1.3

GD12 Guadalupe Moun 20.03 317 P P 15 29 51.7 +1.5

AMTX Amarillo 21.35 341 P P 15 30 03.6 -0.7

GRTK Grand Turk 22.00 69 P P 15 30 09.0 -2.3

BLOK Blackwell 22.00 351 Iamb Iamb 15 30 11.8

TKL Tucson 22.29 21 LR LR 15 30 25.5

Y22A Socorro 22.70 329 Iamb Iamb 15 30 29.2

ANMO Albuquerque 23.28 332 LR LR 15 30 39.6

ANMO Albuquerque 23.28 332 Iamb Iamb 15 30 26.3

TUC Tucson 23.62 320 P P 15 30 29.3 +1.3

T25A Trinidad 24.32 338 Iamb Iamb 15 30 39.1

PV13 Radium Mtn., 21.00 332 Iamb Iamb 15 31 38.0

PV03 Paradox Valley 27.09 332 Iamb Iamb 15 31 01.8

PV18 Skein Mesa, Pa 27.11 332 P P 15 31 00.8 +0.9

PV12 Sauer Basin, 27.12 332 P Iamb Iamb 15 31 01.7 +1.1

PV07 Paradox Valley 27.15 333 Iamb Iamb 15 31 02.4

PV17 East Wray Mesa 27.16 332 Iamb Iamb 15 31 01.8

PV19 Morning Glory 27.20 332 Iamb Iamb 15 31 02.1

PV20 West Wray Mesa 27.22 332 Iamb Iamb 15 31 03.2

PV04 Paradox Valley 27.23 332 Iamb Iamb 15 31 02.1

PV14 Lion Creek, Pa 27.27 332 Iamb Iamb 15 31 03.0

PV22 Blue Mesa, Pa 27.30 333 Iamb Iamb 15 31 03.0

PV23 Carpenter Ridg 27.33 332 Iamb Iamb 15 31 03.8

NVAR Mins Array Bea 32.26 321 P P 15 31 46.5 +1.0

NVAR Mins Array Bea 32.26 321 P P 15 31 46.9 +1.4

NVAR Mins Array Bea 32.26 321 P P 15 35 32.0 -1.4

ILAR Eielson Array 61.59 337 P P 15 35 32.2 -0.3

RND Reindeer 61.76 335 P P 15 35 34.8 +0.2

BMAR Burr Mountain 62.09 340 P P 15 35 36.1 -0.7

TRF Thorofare Moun 62.36 335 P P 15 35 38.8 -0.1

N19K Bonanza Creek 63.26 331 P P 15 35 43.7 -1.1

TOLK Toolik Lake Re 64.32 340 P Iamb Iamb 15 35 51.0 -0.6

TOLK 64.32 340 P Iamb Iamb 15 36 26.1

F21K Altna River 65.07 338 P P 15 35 56.2 -0.3



12d 16h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CMAR Chiang Mai Arr, SBUM Sibiu, ASAJ Asahikawa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like FINES FINES Array B, NACGM Naroch, BRTR Keskin Array B, etc.

JMA 12 16:03:52.5, 0.2, 24.5N, 121.90E, h17km, MV2.8/13, TAIWAN REGION, TAP 12 16:03:52.5, 24.51N, 121.90E, h17km, ML3.5, B, ISC 12 16:03:52.0, 24.49N, 121.94E, 0.01, h9km, 6km, n138, -0.87/223, 1C-2D, Taiwan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ESAB Su ao, ESAB Suao, EWUT Wuta, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SBCB, JYNG Yongjunjijimaku, WARBET Fenglin Townsh, etc.

SDD 12 16:09:59.9, 2.2, 19.81N, 71.20W, h17km, 6km, MD3.0, ML3.2, MW3.2, Presumed earthquake, OSPL 12 16:10:00.2, 1.9, 19.78N, 71.20W, h4km, 6km, ML2.9, Presumed earthquake

ISC 12 16:09:58.6, 0.9, 19.79N, 0.03, 71.18W, 0.03, h16km, 6km, n28, -0.65/39, 1C-1D, Dominican Republic region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like LOPP1 Punta Rusia, LOPP1 LOPP1, etc.





Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like P29M, O30N, Q30N, etc.

DJA 12 17:12:41.7±0.7, 9°S, 4°10'7"E±, h31km±15km, M4.5/29, mb4.8/4, MLV4.3/29

IDC 12 17:12:46.0±6.5, 9.26S; 107.46E, h81km±48km, mb3.4/8, mbtmp3.7/10, ML3.5/2, MS2.7/1, Error ellipse: s-maj=80.4km s-min=15.3km az=55.0

ISC 12 17:12:42.6±1.4, 9.38S; 0.08±107.11E±0.06, h56km±14km, n30, c0.96/34, mb3.7/8, South of Jawa

Main table for 12d 18h section with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BBJ, CNJI, CMI, etc.

RSNC 12 17:24:35.7±0.0, 10°N, 3°7'3W±, h7km±6km, M2.2, ML2.2, FUNV 12 17:24:42.3, 9.81N±73.58W, h5km, MWV3.2, Presumed earthquake

ISC 12 17:24:37.3±1.3, 9.78N; 0.04±73.49W±0.04, h4km±16km, n9, c1.18/15, Northern Colombia

Table for 12d 18h section with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ARG, CRUC, OCAC, etc.

NEIC 12 18:14:35.6±1.8, 21°0S; 0.3±177.76W±0.08, h534km±10km, mb4.1/11, Error ellipse: s-maj=40.6km s-min=10.2km az=175.0

IDC 12 18:14:35.3±3.4, 20.99S; 177.76W, h532km±24km, mb3.3/6, mbtmp4.1/9, Error ellipse: s-maj=85.1km s-min=16.9km az=152.0

ISC 12 18:14:30.1±1.0, 21.7S; 0.2±177.44W±0.1, h500km±n37, c1.23/33, mb3.9/13, Fiji Islands region

Table for 12d 18h section with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MSVF, NOUC, etc.

Main table for 2020 OCT section with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MSVF, AFI, DZM, etc.

IDC 12 18:25:43.9±2.6, 6.77S; 129.70E, h128km±29km, mb3.3/2, mbtmp3.5/6, Error ellipse: s-maj=57.5km s-min=20.3km az=87.0

ISC 12 18:25:41.3±0.9, 6.83S; 0.06±130.1E±0.2, h104km±n6, c3.16/10, Banda Sea

Main table for 2020 OCT section with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SIJI, FITZ, WRA, etc.

BUI 12 18:41:56.1±4.9, 80S; 152.21E, h107km, mb5.4/3, mb4.8/33, IDC 12 18:41:57.5±0.5, 4.78S; 152.17E, h107km±3km, mb4.2/20, mbtmp4.6/22, MS3.1/7, Error ellipse: s-maj=14.2km s-min=9.1km az=108.0

GFZ 12 18:41:58.0±0.6, 5°S, 4°15'2E±, h114km±5km, M4.7/19, mb4.7/19, Error ellipse: s-maj=10.5km s-min=9.3km az=77.9, confirmed

NEIC 12 18:41:58.6±1.7, 4.74S; 0.05±152.12E±0.08, h109km±4km, mb4.9/12, Error ellipse: s-maj=11.2km s-min=7.1km s=108.0, confirmed

ISC 12 18:41:57.9±0.4, 4.77S; 0.04±152.14E±0.05, h112km±3km, h12±pP-P, n224, c1.50/4/173, mb4.8/121, 2D, New Britain region

Main table for 2020 OCT section with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KRVT, RABL, MANU, etc.

Table with columns for station call letters, frequency, and other parameters. Includes stations like ASAR, Alice Springs, WAKE ISLAND, etc.

Table with columns for station call letters, frequency, and other parameters. Includes stations like Castle Rocks, Makanchi Array, Glory Hole Cre, etc.

Table with columns for station call letters, frequency, and other parameters. Includes stations like Pitchstone Pla, Pinedale Array, Keskin Array, etc.

ISK 12 18:44.04.5, 38.86N-43.45E, h2km, ML3, 1/12
AFAD 12 18:44.05.1, 38.84N-43.49E, h7km, 1km, ML2.8
TEH 12 18:44.06.3, 38.84N-43.64E, h10km, 90km, ML2.8, Presumed earthing

ISC 12 18:40.63.0.8, 38.82N.0.02.43.48E.0.03, h12km, 6km, n28, r180/41, Turkey

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Van-Muradiye, ERVIC-VAN, Van, etc.

IDC 12 19:04.44.3.1.8, 6:53S: 129.26E, h159km, 20km, mb3.4/9, mbtmp4.1/13, Error ellipse: s-maj=21.5km s-min=14.6km az=92.0

NEIC 12 19:04.45.8.1.3, 6:56S: 0-7.129.34E.0.08, h173km, 8km, mb4.3/17, Error ellipse: s-maj=12.6km s-min=9.7km az=51.0

DJA 12 19:04.47.5.0.2, 7.5S.2.12.9E, h206km, 6km, M4.5/26, mb4.6/22, mb4.9/13, ML4.9/26, Mw(mb)4.2/13

ISC 12 19:04.46.7.0.5, 6.74S.0.05.129.31E.0.06, h200km, n59, s249.65, mb3.9/16, Banda Sea

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BNDI, SAUI, SAUI, etc.









PB12	comp-Z,4um,0.5s	IAML	21 04 07.2		
PB12	IPOC Station P	2.25 166	Pn	21 03 33.2 -0.6	
PB12	IPOC Station P	2.25 166	Sn	21 04 00.2 -2.2	
PB16	IPOC Station P	2.32 145	Pn	21 03 33.4 -0.4	
PB16	IPOC Station P	2.32 145	eS	21 03 49.3 +1.1	
PB16	IPOC Station P	2.32 145	Sn	21 04 09.1 +4.3	
PB16	IPOC Station P	2.32 145	Pn	21 03 36.1 +0.9	
PB16	IPOC Station P	2.32 145	Sn	21 04 05.0 +0.1	
PB16	IPOC Station P	2.32 145	Pn	21 03 36.4 +1.1	
I08B0	LAS PEÑAS INFR	2.37 85	P	21 03 39.4 +3.7	
LPAZ	La Paz	2.67 87	Pn	21 03 41.8 +2.2	
LPAZ	comp-Z,3um,0.5s,baz=281,slow=9.9,SNR=7695	S			
LPAZ	comp-Z,1um,0.7s,baz=353,slow=23,SNR=9.2	S	21 04 13.6 +0.9		
LPAZ	La Paz	2.67 87	eP	21 03 42.1 +2.5	
LPAZ	La Paz	2.67 87	eS	21 04 19.6 +6.9	
LPAZ	La Paz	2.67 87	Pn	21 03 41.3 +1.6	
LPAZ	La Paz	2.67 87	Sn	21 04 13.4 +0.7	
LPAZ	La Paz	2.67 87	Pn	21 03 42.1 +2.5	
LPAZ	La Paz	2.67 87	eP	21 03 36.7 -3.0	
PSGCX	Pisagua	3.24 167	eP	21 03 45.4 -1.0	
PSGCX	Pisagua	3.24 167	eS	21 04 23.3 -1.9	
PSGCX	Pisagua	3.24 167	IAML	21 04 29.1	
PSGCX	Pisagua	3.24 167	Pn	21 03 45.2 -1.3	
PSGCX	Pisagua	3.24 167	Pn	21 03 45.5 -1.0	
PB11	IPOC Station P	3.52 160	eP	21 03 49.4 -0.9	
PB11	IPOC Station P	3.52 160	eS	21 04 29.3 -2.5	
PB11	IPOC Station P	3.52 160	IAML	21 04 51.1	
PB11	IPOC Station P	3.52 160	Pn	21 03 48.7 -1.5	
PB11	IPOC Station P	3.52 160	Pn	21 03 49.1 -1.1	
GO01	Chusmiza	3.61 153	P	21 03 52.5 +0.8	
GO01	Chusmiza	3.61 153	eS	21 04 35.4 +1.0	
GO01	Chusmiza	3.61 153	IAML	21 04 41.8	
GO01	Chusmiza	3.61 153	Pn	21 03 51.7 -0.1	
GO01	Chusmiza	3.61 153	Pn	21 03 52.7 +1.0	
PB08	IPOC Station P	4.05 156	eP	21 03 57.4 +0.1	
PB08	IPOC Station P	4.05 156	eS	21 04 44.0 -0.7	
PB08	IPOC Station P	4.05 156	IAML	21 04 44.8	
PB08	IPOC Station P	4.05 156	Pn	21 03 56.8 -0.7	
PB08	IPOC Station P	4.05 156	Pn	21 03 57.6 +0.1	
TA01	Diego Aracena	4.17 171	Pn	21 03 56.9 -1.7	
TA01	Diego Aracena	4.17 171	Pn	21 03 57.5 -1.2	
PB02	IPOC Station P	4.96 169	eP	21 04 07.7 -1.5	
PB02	IPOC Station P	4.96 169	eS	21 05 01.8 -4.1	
PB02	IPOC Station P	4.96 169	IAML	21 05 05.1	
PB02	IPOC Station P	4.96 169	Pn	21 04 08.1 -1.2	
PB02	IPOC Station P	4.96 169	Pn	21 04 07.9 -1.3	
PB07	IPOC Station P	5.36 170	eP	21 04 13.2 -1.5	
PB07	IPOC Station P	5.36 170	eS	21 05 11.0 -4.6	
PB07	IPOC Station P	5.36 170	IAML	21 05 13.7	
PB07	IPOC Station P	5.36 170	Pn	21 04 13.2 -1.5	
PB07	IPOC Station P	5.36 170	Pn	21 04 13.4 -1.3	
PB09	IPOC Station P	5.57 164	Pn	21 04 15.9 -1.5	
PB09	IPOC Station P	5.57 164	Pn	21 04 16.8 -0.7	
PB03	IPOC Station P	5.70 169	Pn	21 04 17.6 -1.6	
PB03	IPOC Station P	5.70 169	Pn	21 04 17.8 -1.4	
PB06	IPOC Station P	6.37 169	Pn	21 04 25.3 -3.0	
PB06	IPOC Station P	6.37 169	Pn	21 04 26.3 -2.0	
PB05	IPOC Station P	6.43 174	Pn	21 04 25.6 -3.3	
PB05	IPOC Station P	6.43 174	Pn	21 04 26.6 -2.3	
AF01	San Pedro de A	6.98 159	Pn	21 04 35.4 -1.1	
NNA	Nana	7.25 307	Pn	21 04 39.3 -0.7	
NNA	comp-Z,362nm,0.4s,baz=139,slow=11,SNR=142	S			
NNA	comp-Z,281nm,0.4s,baz=188,slow=20,SNR=12	S			
NNA	Nana	7.25 307	Pn	21 04 39.6 -0.3	
NNA	Nana	7.25 307	Pn	21 04 39.3 -0.7	
PB14	IPOC Station P	8.17 177	Pn	21 04 49.5 -3.0	
PB14	IPOC Station P	8.17 177	Pn	21 04 49.6 -2.9	
CZSB	Cruzeiro do Su	8.82 348	Pn	21 04 58.7 -2.3	
CZSB	Cruzeiro do Su	8.82 348	eP	21 04 59.3 -1.8	
SALTA	San Ignacio	9.46 89	Pn	21 05 08.1 -1.6	
SIV	San Ignacio	9.46 89	Pn	21 05 08.1 -1.6	
SIV	comp-Z,62nm,0.8s,baz=267,slow=12,SNR=10	S			
SIV	comp-Z,63nm,0.9s,baz=300,slow=18,SNR=6.8	S			
AC01	Pan de Azucar	9.68 178	Pn	21 05 09.4 -3.1	
SLM	San Lorenzo	9.68 149	eP	21 05 11.3 -1.3	
SLA	San Lorenzo	9.68 149	IAML	21 05 32.3	
BBSD	Serra de San D	9.89 96	eP	21 05 12.4 -3.1	
AC02	Mariacunga	10.49 171	Pn	21 05 21.2 -2.5	
AC02	Mariacunga	10.49 171	Pn	21 05 21.8 -2.0	
FSA	Cafayete	10.68 155	eP	21 05 23.5 -2.4	
VILB	Vilhena	10.92 73	Pn	21 05 26.1 -3.1	
VILB	Vilhena	10.92 73	eP	21 05 26.3 -2.9	
GO03	Copiapo	11.13 177	Pn	21 05 27.9 -4.0	
GO03	Copiapo	11.13 177	Pn	21 05 28.9 -3.0	
PTLB	Pontes e Lacer	11.37 87	Pn	21 05 31.6 -3.5	
PTLB	Pontes e Lacer	11.37 87	Pn	21 05 32.0 -3.0	
ATAH	Atahualpa	11.78 321	Pn	21 05 40.0 -0.9	
ATAH	comp-Z,19nm,0.6s,baz=117,slow=8.5,SNR=13	S			
ATAH	comp-Z,3.7nm,0.4s,baz=331,slow=16,SNR=1.2	S			
TINO	Tinogasta	11.99 166	eP	21 05 40.1 -3.1	
TINO	Tinogasta	11.99 166	IAML	21 06 27.9	
AC05	El Transito	12.37 177	Pn	21 05 49.3 +1.1	
LCO	Las Campanas	12.53 179	Pn	21 05 48.5 -2.0	
COIM	Forte Coimbra	12.94 107	eP	21 05 52.1 -3.5	
ACLC	CERRO LA CRUZ	13.44 165	eP	21 05 59.4 -2.8	
ACLC	CERRO LA CRUZ	13.44 165	IAML	21 07 15.7	
CO01	Juntas del Tor	13.51 177	Pn	21 06 00.7 -2.4	
CO01	Juntas del Tor	13.51 177	Pn	21 06 04.4 +1.3	
MURT	Porto Murinho	13.61 115	eP	21 06 01.4 -2.7	
GO04	Tololo Observa	13.68 180	Pn	21 06 02.2 -2.4	
GO04	Tololo Observa	13.68 180	Pn	21 06 06.2 +0.9	
AD0A	Rodeo	13.74 175	eP	21 06 04.9 -1.3	
ACCO	Cerro Coronel	14.20 174	eP	21 06 09.9 -2.0	
ACCO	Cerro Coronel	14.20 174	IAML	21 07 26.2	
CO06	Fray Jorge	14.20 183	Pn	21 06 10.5 -1.1	
AVFE	Valle Fertil	14.52 168	eP	21 06 13.3 -2.4	
AVFE	Valle Fertil	14.52 168	IAML	21 07 19.1	
SALV	San Antonio	14.63 90	eP	21 06 15.0 -2.1	
CO02	Combarbal	14.71 180	Pn	21 06 18.6 +0.4	
AQDB	Aquidauana	14.98 108	Pn	21 06 19.9 -1.6	
AQDB	Aquidauana	14.98 108	Pn	21 06 20.7 -0.8	
AQDB	Aquidauana	14.98 108	Pn	21 06 20.3 -1.2	
RTLL	Cerro Villacun	15.00 172	eP	21 06 19.6 -2.1	
RTLL	Cerro Villacun	15.00 172	IAML	21 07 24.4	
NFA	Coronel Fontes	15.31 171	Pn	21 06 23.8 -1.7	
PP1B	Ponte de Pedra	15.38 97	eP	21 06 24.7 -1.8	
PP1B	Ponte de Pedra	15.38 97	eS	21 06 24.4 -2.8	
CLDB	Colider	15.69 71	eP	21 06 29.2 -1.2	
CLDB	Colider	15.69 71	eP	21 06 28.3 -2.1	
CPUP	Villa Florida	16.02 130	Pn	21 06 31.2 -3.2	
CPUP	Villa Florida	16.02 130	Pn	21 06 32.2 -2.2	
CPUP	Villa Florida	16.02 130	Pn	21 06 31.2 -3.2	
CPUP	Villa Florida	16.02 130	Pn	21 06 32.2 -2.2	
SJPV	San Joaquin	16.25 124	eP	21 06 35.7 -1.5	
VA03	San Esteban	16.27 179	Pn	21 06 34.9 -2.6	

VA03	San Esteban	16.27 179	P	21 06 38.3 +0.3	
MACA	Manacapuru-08	16.58 38	Pn	21 06 39.4 -1.8	
MACA	Manacapuru-AM	16.58 38	eP	21 06 39.9 -1.4	
DEL	Peidrehue	16.65 119	Pn	21 06 39.9 -2.2	
DEL	Peidrehue	16.65 119	Pn	21 06 42.8 +0.6	
MT05	Renca	16.89 180	P	21 06 42.1 -2.7	
MT16	CCHEN	16.93 179	P	21 06 42.5 -2.8	
MT08	Bocatoma Ro	16.96 177	P	21 06 43.5 -2.3	
MT03	Universid Ad	17.00 179	P	21 06 44.1 -1.9	
MT09	Talagante	17.28 180	P	21 06 49.2 +0.1	
SLOR	San Lorenzo -	17.30 334	P	21 06 52.8 +2.3	
MT01	Popeta	17.37 181	P	21 06 49.6 +0.4	
C2SB	Chapadão do Su	17.39 100	P	21 06 52.0 -1.0	
C2SB	Chapadão do Su	17.39 100	eP	21 06 49.8 -0.6	
BO04	La Punta	17.49 179	P	21 06 50.5 -0.9	
CASC	Dorado de Cas	17.64 338	Pn	21 06 54.7 +0.5	
BO01	Tanca	17.89 180	P	21 06 53.7 -2.1	
BO01	Tanca	17.89 180	P	21 06 58.1 +1.2	
OTAV	Otavaló	18.15 335	P	21 07 00.7 -0.2	
OTAV	Otavaló	18.15 335	Pn	21 07 03.2 +2.5	
OTAV	comp-Z,35nm,comp=Z,32nm,0.8s	18.15 335	P	21 07 03.8 +3.1	
OTAV	Otavaló	18.15 335	eP	21 07 00.1 -0.6	
BO02	Sierra Bellavi	18.29 180	Pn	21 06 58.7 -1.5	
BO02	Sierra Bellavi	18.29 180	Pn	21 07 00.0 -0.2	
TULM	Tulcn-Chalpat	18.34 338	Pn	21 07 04.7 +1.8	
TRCB	comp-Z,123nm,0.8s	18.34 113	P	21 07 00.5 -0.3	
TRCB	Terra Rica	18.34 113	P	21 07 01.9 -0.5	
TRCB	Terra Rica	18.34 113	eP	21 07 00.7 -0.1	
ARAG	Araguaiana, MT	18.37 90	eP	21 06 60.0 -1.2	
H03N1	Juan Fernandez	18.42 202	P	21 07 12.0 +9.1	
H03N1	Juan Fernandez	18.42 202	T	21 25 30.3	
H03N2	Juan Fernandez	18.42 202	T	21 07 10.9 +7.9	
H03N2	Juan Fernandez	18.42 202	T	21 25 28.1	
H03N3	Juan Fernandez	18.43 202	Pn	21 07 11.7 +8.6	
H03N3	Juan Fernandez	18.43 202	T	21 25 25.4	
H03N3	comp-Z,23,SNR=5.2	18.43 202	T	21 25 25.4	
ITOB	Itaqui	18.59 138	eP	21 07 04.0 +0.6	
MACC	Macarena, Meta	18.68 351	P	21 07 11.8 +5.4	
MACC	Macarena, Meta	18.68 351	Pn	21 07 11.8 +5.4	
H03S3	Juan Fernandez	18.76 201	Pn	21 07 16.0 +9.0	
H03S1	Juan Fernandez	18.78 201	Pn	21 07 15.8 +8.6	
H03S2	Juan Fernandez	18.78 201	Pn	21 07 16.4 +9.3	
PSAL	Palomas, Salto	18.98 143	eP	21 07 08.9 -0.9	
GARC	Garzon, Huila	19.04 346	P	21 07 09.4 +0.7	
ITTB	Itaituba	19.12 53	eP	21 07 08.3 -1.0	
MLO2	Panimavida	19.26 181	P	21 07 10.6 -0.1	
MLO2	Panimavida	19.26 181	P	21 07 12.8 -0.2	
BBAC	comp-Z,100nm,0.9s	19.37 341	Pn	21 07 14.0 -0.7	
BBAC	comp-Z,892nm,comp=Z,89nm,1.1s	19.37 341	Pn	21 07 14.0 -0.7	
BETC	Betania	19.51 346	P	21 07 13.6 0.0	
SNDB	Serra Nova Dou	19.52 79	eP	21 07 12.8 -0.9	
POPC	Popayán, Colom	19.69 343	P	21 07 17.8 -0.7	
LDASE	Londrina, Braz	19.85 114	eP	21 07 17.1 0.0	
BI02	San Fabín de	20.16 181	P	21 07 20.0 -0.4	
BI02	San Fabín de	20.16 181	P	21 07 23.6 -0.1	
JAMC	comp-Z,64nm,1.1s	20.33 343	P	21 07 23.6 +1.0	
JAMC	Jamundí, Valle	20.33 343	P	21 07 23.6 +1.0	
PRAC	Prado	20.39 349	Pn	21 07 30.2 +3.6	
PRAC	Prado	20.39 349	Pn	21 07 25.8 -0.7	
ITAB	comp-Z,20nm,0.6s	20.45 125	P	21 07 22.6 -1.0	
ITAB	Concordia	20.45 125	P	21 07 22.5 -1.2	
ITAB	Concordia	20.45 125	eP	21 07 23.1 -0.5	
ORTC	Ortega, Tolima	20.66 348	P	21 07 24.8 -1.1	
ANCO	Parque Anchore	21.24 149	eP	21 07 31.8 -0.2	
BOAV	Boa Vista	21.33 30	P	21 07 32.3 -0.8	
BOAV	Boa Vista	21.33 30	P	21 07 32.5 -0.6	
ROSC	El Rosal	21.40 351	P	21 07 34.0 -0.2	
ROSC	El Rosal	21.40 351	P	21 07 33.6 -0.6	







Table with columns: Station, Name, Az, El, SNR, and other parameters. Includes stations like NOA, HFS, HFS, HFS, HFS.

BUI 12 23:49:45.4, 18.53S, 169.54E, h178km, mB4.9/5, mB4.7/22
IDC 12 23:49:47.8, 0.6, 19.36S, 169.46E, h216km, 5km, mB4.1/18,
mbmp4.6/20, Error ellipse: s-maj=12.2km s-min=10.1km
az=114.0

NEIC 12 23:49:48.5, 1.7, 19.33S, 0.07, 169.41E, 0.04, h21km, 7km,
mB4.9/124, Error ellipse: s-maj=10.5km s-min=4.9km
az=187.0

NOU 12 23:49:49.1, 19.32S, 169.36E, h204km, ML4.8/47,
Vanuatu Islands

GFZ 12 23:49:49.6, 0.5, 19.54S, 169.92E, h227km, 6km, M4.6/18,
mB4.0, Error ellipse: s-maj=8.0km s-min=7.0km
az=163.6, confirmed

GCMT 12 23:49:50.5, 0.4, 19.25S, 0.03, 169.28E, 0.03, h233km, 4km,
MW5.0/67, Moment Tensor: Scale 10^16Nm, Mr1.92, 1.7;
Mw0.03, 1.7; Mw-1.95, 1.5; Mw0.55, 1.7; Mw-0.93, 1.8;
Mw-1.86, 1.4; Best double couple: M3.53600e10^16
NP1.38, 0.0000, 0.33, 0.0000, 1.15, 0.0000, NP2:
0.5, 14.0000, 0.374, 0.0000, 1.61, 0.0000. Principal axes: T
4.3670, P1g52.0000, Azm163.0000; N -1.6590,
P1g28.0000, Azm163.0000; P -2.7050, P1g24.0000,
Azm296.0000; nst1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function

ISC 12 23:49:48.0, 0.3, 19.37S, 0.04, 169.47E, 0.05, h217km, 3km,
h218km; p-P, n332, e1816/327, mB4.8/101, 23C-11D,
Vanuatu Islands

Main table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Lists various stations and their parameters.

Main table with columns: Station Name, Name, Az, El, SNR, and other parameters. Lists various stations and their parameters.

Main table with columns: Station Name, Name, Az, El, SNR, and other parameters. Lists various stations and their parameters.







Table with columns: Code, Station Name, RA, Dec, Az, Alt, SNR, and other parameters. Includes stations like G006 Curarrehue, AF01 San Pedro de A, PB05 IPOC Station P, etc.

Table with columns: Code, Station Name, RA, Dec, Az, Alt, SNR, and other parameters. Includes stations like MAW Mawson, ANMO Albuquerque, PV13 Radium Mtn., etc.

Table with columns: Code, Station Name, RA, Dec, Az, Alt, SNR, and other parameters. Includes stations like PB07 IOPC Station P, PB02 IPOC Station P, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like Concordia, Curarrehue, Lonsrina, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like KURBB, ZALV, KSHZ, MKAR, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like TEIG, ZILG, JUDS, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Gaotai, Khabaz, Raoul Island, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Raoul Island, Armidale, Eidsvold, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Cape Leeuwin, Narrogin, Fitzroy Crossi, etc.

IDC 13 02:31:44.9.1.6.28.48S:177.71W, h0km, mb3.8/3, mbmp3.8/3, Error ellipse: s-maj=42.2km s-min=22.2km az=85.0

IDC 13 02:41:05.8.2.25'N:127.8'E, h89km-4km, MV3.5/24, 13 02:41:05.8.2.25'N:127.8'E, h89km-4km, MV3.5/24, NEAR OKINAWA ISLAND, RYUKYU ISLANDS

IDC 13 03:18:45.1.4.2.54'N:162.43W, h0km, mb3.9/5, mbmp3.8/8, ML3.5/3, MS2.7/2, Error ellipse: s-maj=102.0km s-min=18.2km az=159.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CHIR Chirikof Islan, R16K Pilot Point, CLCO Concord Point, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like F28M Old Crow, MIMPY Sheldon Lake, INK Inuvik, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DUWZ D'Urville Isla, QUZ Quartz Range, MNRZ Matariki Terra, etc.

NOU 13 03:53:27.7, 0.7, 4.46S; 136°78'E, h0km, mb4.0/7, mbmp4.0/12, ML3.8/4, MS3.5/2, Error ellipse: s-maj=18.0km s-min=10.9km az=111.0, DJA 13 03:52:29.1, 0.7, 5.46S; 136°78'E, h36km, mb4.0/7, mbp6.9/3, mb5.6/1, MLV4.6/6, MW1.6/3, NEIC 13 03:52:31.8, 1.7, 4.46S; 101°136'E, h0E=0.04, h23km, 6km, mb4.2/11, Error ellipse: s-maj=14.9km s-min=5.1km az=195.0

ISC 13 03:52:33.1, 0.6, 4.57S; 106°136.84E; 0.05, h35km, n34, r178/39, mb4.0/8, Irian Jaya region

Code Station Name Az Az' Phase ID Time Res ISC



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MKAZ, WTAZ, ARCD, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PMR, P23K, M17K, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H04N1, H04N2, H04N3, etc.

AEIC 13 04:12:44.6:0.6, 59.50N:0.04:152.80W:0.06, h103km, 4km, Error ellipse: s-maj=5.4km s-min=4.4km az=148.0

NEIC 13 04:12:43.5:0.6, 59.51N:0.03:152.82W:0.07, h106km, 4km, ML2.8/128, ML2.6(AEIC), Error ellipse: s-maj=5.4km s-min=2.6km az=121.0, Southern Alaska

Main table of station data for the left column, including codes like P19K, AUJ2, AGU2, etc.

Main table of station data for the middle column, including codes like PMR, P23K, M17K, etc.

Main table of station data for the right column, including codes like H04N1, H04N2, H04N3, etc.

IDC 13 04:19:22.7:0.8, 35.41S:53.93E, h0km, mb4.0/7, mbtp4.0/7, MS3.4/17, Error ellipse: s-maj=27.8km

BUI 13 04:35:56.5:20.05N:121.42E, h22km, mb4.6/3, mb4.4/20, ML4.3/1

NEIC 13 04:35:57.6:1.2, 19.85N:121.32E:0.09, h28km, 5km, mb4.5/36, Error ellipse: s-maj=12.8km s-min=11.3km az=118.0

IDC 13 04:35:58.3:3.3, 19.85N:121.44E, h42km, 31km, mb4.0/19, mbtmp4.2/22, ML3.9, MS3.4/15, Error ellipse: s-maj=22.6km s-min=14.5km az=67.0

MAN 13 04:36:00.0: 0.168N:121.50E, h7km, MS3.3

ISC 13 04:35:57.9:1.2, 19.88N:121.34E:0.06, h32km, 9km, n118, e180/114, mb4.4/39, MS3.5/13, 1C, Philippine islands region

Table of station data for the right column, including codes like C1CP, C1CCP, C1ACP, etc.

Table of station data for stations JNU through C24K, including station name, coordinates, and various parameters.

Table of station data for stations H23K through GEPF, including station name, coordinates, and various parameters.

Table of station data for stations GEPF through PTCO, including station name, coordinates, and various parameters.





Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ARCES ARCES Array B, I30M Mount Dempster, ASF Jabal al Asfar, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IGPR Interuniversit, SC01 Santiago de lo, SC01 Santiago de lo, etc.

ASRS 13:07:00:55.0; 1.6, 5.3; 72N; 91.14E, h0km, M3.2(MOS), The earthquakes of Russia in 2020. Obninsk, GS RAS, 2022. IDC 13:07:00:59.9; 3.4, 53.66N; 90.95E, h0km, mbtmp3.0/3,

IDC 13:07:09:19.6; 2.5, 64.62N; 83.63E, h0km, mbtmp2.6/2, ML2.4/2, Error ellipse: s-maj=22.9km s-min=11.8km az=150.0, Southwestern Siberia

13d 7h

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Mesachie Lake, Cowichan Lake, Neilton Lookou, etc.

13d 07:22:33.4-1.0, 13:52N, 57:18E, h0km, mb4.0/10, mbtmp4.0/10, MS3.5/11, Error ellipse: s-maj=32.3km s-min=21.6km az=36.0

NEIC 13 07:22:36.7±1.5, 13:36N, 0:1:57.3E, 0:1, h10km, 1km, mb4.2/10, Error ellipse: s-maj=24.0km s-min=10.7km az=229.0

ISC 13 07:22:35.0±0.8, 13:5N, 0:1:57.3E, 0:1, h10km, n41, 0:994/27, mb4.1/13, MS3.4/11, Horizontal Fracture Zone region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Ar Rayn, Karatay Array, Malin Array, etc.

2020 OCT

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Fines Array B, Talaya, Torodi Arr, etc.

13d 07:26:07.2±0.6, 11:29N, 125:72E, h0km, mb4.0/14, mbtmp4.0/14, MS3.2/9, Error ellipse: s-maj=40.1km s-min=13.8km az=64.0

NEIC 13 07:26:11.1±2.2, 11:6N, 0:1:125.8E, 0:3, h35km, 2km, mb4.3/13, Error ellipse: s-maj=47.4km s-min=6.2km az=60.0

MAN 13 07:26:12.0, 11:35N, 125:73E, h11km, MS3.9

MAN INTENSITY III - HERNANI EASTERN SAMAR, INTENSITY III - MAYDOLONG EASTERN SAMAR, ISC 13 07:26:07.3±1.6, 11:28N, 0:04:125.79E, 0:05, h6km, 10km, n68, 0:199/65, mb4.2/20, MS3.1/8, Samar

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Palo, Lapu-Lapu, Masbate, etc.

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Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Kurbatov Arra, Karatay Array, Borovoye Array, etc.

TAP 13 07:28:50.8, 22:60N, 120:81E, h8km, ML2.7, C, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Taimali, Masbit, TSMG, etc.

13d 07:36:01.1±2.1, 33:04N, 139:94E, h0km, mb3.4/2, mbtmp3.4/3, ML2.6/1, Error ellipse: s-maj=94.2km s-min=17.1km az=77.0

JMA 13 07:36:03.0±1.3, 33:5N, 0:5:141.0E, 0:4, h44km, MV3.4/33, E OFF HACHUJOJIMA ISLAND

ISC 13 07:36:03.5±1.5, 33:46N, 0:09:141.1E, 0:1, h48km, n13, 0:856/14, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Hachijojimakas.



Table with columns: Station Name, Azimuth, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like BSO1, JMKN, BSO3, etc.

CATAC 13 07:37:31.6±0.8, 15°N, 4°W, h9km, M4, 1/12, MLv4.1/2, Error ellipse: s-maj=11.0km s-min=4.3km az=47.4, confirmed

GCG 13 07:37:34.0±1.7, 14°56'N, 93°73'W, h36km, 999km, MD4.5, Presumed earthquake

MEX 13 07:37:34.0±1.7, 14°56'N, 93°73'W, h26km, 20km, MD4.3, Presumed earthquake

ISC 13 07:37:31.1±1.3, 14°56'N, 0°06.93'W, h30km, n44, c2817/3, Near coast of Chiapas

Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time Res, ISC, h, m, s, ISC. Lists numerous stations like THIG, PATR, PAVE, etc.

NOU 13 07:42:26.7, 39°77'S, 176°91'E, h22km, MLv3.4/9, North Island, New Zealand

WEL 13 07:42:28.2±0.4, 40°S, 177°E, h31km, 4km, M3.6/19, ML3.6/19, MLv3.6/19, Error ellipse: s-maj=3.6km s-min=2.7km az=98.9, confirmed

WEL 13 07:42:28.2, 39°75'S, 176°68'E, ML3.4, Mw3.7, Moment Tensor Solution. Moment tensor: Scale 10^14 Nm; Mn=4.0; Mss=1.14; Mtt=0.25; Mss=2.18; Mtt=0.43; Fault plane solution: M3.780000x10^14 NP1: e2=216.00000, s47.00000, lambda=102.00000, NP2: e2=54.00000, s45.00000, lambda=77.00000. Principal axes: T 3.8990, P1g1.0000, Azm315.0000; N -0.3970, P1g9.0000, Azm225.0000; P -3.5020, P1g81.0000, Azm51.0000. Stations used: BFZ, BKZ, MWZ, OTVZ, PZX, RAZ, RTZ, TRZ, TSZ, URZ, VRZ, NORMAL FAULTING

ISC 13 07:42:27.8±1.3, 39°80'S, 176°67'E, h11km, 6km, n148, c1902/164, North Island

Table with columns: Code, Station Name, Azimuth, Phase ID, Time Res, ISC, h, m, s, ISC. Lists stations like KAHZ, PWZ, CKHZ, etc.

Main station list table with columns: Station Name, Azimuth, Phase ID, Time Res, ISC, h, m, s, ISC. Lists numerous stations like KRHZ, WPHZ, WPHZ, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time Res, ISC, h, m, s, ISC. Lists stations like NBEZ, WMGZ, TCW, etc.

ASRS 13 07:44:12.0±1.0, 54°64'N, 83°65'E, h0km, M2.3(MOS), The earthquakes of Russia in 2020. Obninsk, GS RAS, 2022

IDC 13 07:44:13.2±1.8, 54°52'N, 83°73'E, h0km, mbmtsp3.1/3, h2=158.0, Southeastern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time Res, ISC, h, m, s, ISC. Lists stations like I46RU, ZALV, ZALV, etc.

SCB 13 07:57:38.9±1.3, 21°48'S, 67°93'W, h134km, 20km, MB6.0, ML3.1/2, Error ellipse: s-maj=5.5km s-min=4.1km az=1.0

GUC 13 07:57:39.0±1.7, 21°47'S, 68°07'W, h161km, 7km, ML2.8, Presumed earthquake

ISC 13 07:57:38.6±1.8, 21°48'S, 0°05.67'W, 0.06, h153km, 18km, n25, c0969/36, Chile-Bolivia border region

Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time Res, ISC, h, m, s, ISC. Lists numerous stations like PB09, PB09, etc.

CATAC 13 08:00:53.4±0.4, 9°N, 2°8'W, h2km, 2km, M3.0/11, MLv3.0/11, Error ellipse: s-maj=6.0km s-min=2.8km az=39.2, confirmed

UCR 13 08:00:53.2±1.1, 9°32'N, 84°48'W, h18km, 5km, MW3.5, Presumed earthquake

ISC 13 08:00:53.1±1.1, 9°34'N, 0°03.84'W, 0.02, h10km, 8km, n100, c0969/142, 6C-36D, Costa Rica

Table with columns: Code, Station Name, Azimuth, Phase ID, Time Res, ISC, h, m, s, ISC. Lists stations like QUEP, QUEP, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like BELE, PALD, LUJA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like DNK, OTT, ISC, SAQQ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like NHDH, SBBC, TWA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like IDC, PALK, MBAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like IDC, PALK, MBAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like IDC, PALK, MBAR, etc.

earthquakes of Russia in 2020. Obninsk, GS RAS, 2022.  
 IDC 13 08:50:16.8-3.7, 53.78N:6.86E, h0km, mbtmp2.62,  
 ML2.1/1, Error ellipse: s-maj=36.8km s-min=19.6km  
 az=80.0, Southwestern Siberia

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
I46RU	ZALESOVO INFRA	1.29	278	Op	08 59 20.0	
ZALV	Zalesovo Beam	1.29	278	Pg	08 50 40.9	-0.6
ZALV	Kurchatov Arra	6.08	242	Pn	08 51 49.2	+1.4
MKAR	Makanchi Array	7.61	205	Pn	08 52 10.0	+1.1

IDC 13 09:02:58.3±0.6, 13°87'N:56°99'E, h0km, mb4.0/17,  
 mbtmp4.0/17, MS3.1/8, Error ellipse: s-maj=17.0km  
 s-min=16.1km az=137.0  
 NEIC 13 09:03:00.1±0.8, 13°89'N:0°08:56:9E:0°1', h10km, 1km,  
 mb4.4/22, Error ellipse: s-maj=18.0km s-min=13.2km  
 az=254.0  
 GFZ 13 09:03:01.6±0.3, 14°N:6°5'7E±, h10km, M4.8/27,  
 mb4.5/27, confirmed

IDC 13 09:03:00.7±0.5, 13°88'N:0°08:56:9E:0°08', h15km, n95,  
 s127°85, mb4.3/55, MS3.0/8, Socotra region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
UOSS	Minazif	11.03	357	Op	09 05 37.5	+0.5
AOTD	Arta Tunnel	13.93	262	Lr	09 10 09.3	
RAYN	Ar Rayn	14.45	313	Pn	09 06 22.6	-2.2
RAYN	Ar Rayn	14.45	313	Pn	09 06 23.8	-1.1
LODK	Lodwar	23.69	246	P	09 08 11.1	-1.1
LODK	Lodwar	23.69	246	P	09 08 14.8	+2.6
KMBO	Kilima Mboogo	24.54	234	P	09 08 21.6	+1.3
KIBK	Kibwezi	24.70	231	P	09 08 20.3	-1.4
KIBK	Kibwezi	24.70	231	P	09 08 23.2	+1.5
KIBK	Kibwezi	25.68	311	Lr	09 18 24.8	
HRFI	Mount Harif	25.82	312	P	09 08 33.6	+2.1
KZIT	Kizit	26.76	313	P	09 08 42.0	+1.9
MMLI	Mount Malkishu	26.96	317	P	09 08 43.8	+1.9
GEVA	Gevas	27.26	336	P	09 08 43.1	-1.6
MMAI	Mount Meron Ar	27.33	318	Lr	09 19 36.9	
GNI	Garni	28.27	340	Lr	09 20 24.9	
GNI	Garni	28.27	340	Lr	09 08 55.4	+1.7
GNI	Garni	28.27	340	P	09 08 57.5	+0.1
CY603	RAF Akrotiri,	28.75	319	Iamb	09 09 05.4	
CY603	Batken	28.79	23	P	09 09 00.5	+2.3
BTKO	Kars	28.98	338	P	09 09 00.4	+0.4
MBAR	Mbarara	29.66	243	Lr	09 20 49.9	
ANDN	Andrin	29.88	326	P	09 09 10.0	+2.1
KEMA	Kemaliye	30.06	331	P	09 09 12.2	+2.7
EPOS	Posof	30.17	338	P	09 09 13.2	+2.7
KELT	Kelkit	30.41	333	P	09 09 15.6	+2.8
EVN	Everest	31.13	59	P	09 09 17.9	-1.8
EVN	Everest	31.13	59	P	09 09 21.1	+1.4
ASAI	AK-SAI (Kyrgyz)	31.91	29	P	09 09 27.8	+1.7
KBZ	Khabaz	32.09	341	P	09 09 28.2	+1.1
KBZ	Khabaz	32.42	25	Lr	09 24 05.7	
AAK	Ala-Archa	32.42	25	Lr	09 24 09.9	
AAK	Ala-Archa	32.42	25	P	09 09 33.0	+2.6
BR131	Keskin Array S	32.89	326	P	09 09 34.1	-0.4
BR131	Keskin Array B	32.89	326	P	09 09 35.4	+0.9
BRTR	Keskin Array B	32.89	326	P	09 09 34.1	-0.4
BOOM	Boomsokoye usch	32.91	26	P	09 09 36.2	+1.6
AKAS	Kas	33.08	317	P	09 09 38.4	+2.2
TARG	Taragay, Kyrgy	33.15	29	P	09 09 38.6	+1.6
AB31	Akbulak array	35.36	3	P	09 09 54.9	-0.7
ABKAR	Akbulak array	35.36	3	P	09 09 55.5	-0.1
AKTO	Aktubinsk	36.47	1	Lr	09 26 47.5	
MAKZ	Makanchi	38.96	28	P	09 10 27.6	+1.3
PAIG	Pailouri	39.02	318	P	09 10 28.3	+1.6
MK31	Makanchi Array	39.09	28	P	09 10 27.0	-0.4
MKAR	Makanchi Array	39.09	28	P	09 10 28.2	+0.8
MKAR	Makanchi Array	39.09	28	P	09 10 26.9	-0.5
BVAR	Borovoye Array	40.49	13	P	09 10 39.4	+0.5
CMAR	Chiang Mai Arr	40.55	78	P	09 10 39.5	-0.4
MLR	Muntele Rosu	40.96	326	P	09 10 45.6	+2.5
TESR	Tescani	41.27	328	P	09 10 45.9	+0.5
VOIR	Voiron	41.41	326	P	09 10 47.4	+0.7
LOT	Lotru	42.13	325	P	09 10 52.4	-0.2
ARTI	Arti	42.43	1	P	09 10 54.2	-0.5
ARTI	Arti	42.43	1	P	09 11 07.0	
BURAR	Bucovina Array	42.73	328	P	09 10 56.9	-0.5
BUR08	Bucovina Ar. S	42.76	328	P	09 10 57.1	-0.6
BUR08	Bucovina Ar. S	42.76	328	P	09 11 06.2	
AKASG	Malin Array Be	43.05	334	P	09 10 59.5	-0.3
KIEV	Kiev	43.05	334	P	09 10 59.3	-0.5
KIEV	Kiev	43.05	334	P	09 10 59.0	-0.8
BZ5	Buzias	43.44	324	P	09 11 03.2	+0.1
DRGR	Druski	43.53	326	P	09 11 04.4	+0.4
FRGS	Fruska Gora	44.24	322	P	09 11 09.4	-0.2
TRPA	Tarpa	44.45	327	P	09 11 11.6	+0.5
KOLS	Kolonické sedl	45.09	328	P	09 11 17.2	+1.0

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
ZALV	Zalesovo Beam	45.60	23	P	09 11 19.5	-0.7
ZALV	Zalesovo Beam	45.60	23	P	09 11 20.4	+0.2
ZALV	Zalesovo Beam	46.47	105	P	09 11 28.3	+0.6
MORC	Moravsky Berou	48.08	326	eP	09 11 38.2	-1.5
MORC	Moravsky Berou	48.08	326	P	09 11 39.5	-0.2
TAM	Tamanrasset	49.39	288	P	09 11 51.3	+1.0
GRB3	Grafenber Arr	51.06	323	P	09 12 03.0	+0.6
BOSA	Boshof	52.18	216	P	09 12 11.2	-0.1
BOSA	Boshof	52.18	216	P	09 12 10.3	-0.9
BOSA	Boshof	52.43	342	P	09 12 11.7	-0.7
FINES	FINESS Array B	52.43	342	P	09 12 12.2	-0.2
FINES	FINESS Array B	52.43	342	P	09 12 17.9	+0.5
SONMI	Songino Array	53.03	40	P	09 12 16.6	-0.7
TORD	Tordi Arr. Bea	53.60	276	P	09 12 21.5	-0.3
TORD	Tordi Arr. Bea	53.60	276	P	09 12 19.7	-2.2
TORD	Tordi Arr. Bea	53.60	276	P	09 13 03.8	
ESDC	Sonsecia Array	58.92	308	P	09 12 58.5	-1.1
KSRS	Songino Array	66.67	55	P	09 13 49.8	-1.4
YAK	Yakutsk	69.76	29	P	09 14 09.8	-0.2
HTX1	Tiksi	71.25	19	P	09 14 18.4	-0.5
H01W1	Cape Luewih Arr	72.74	134	T	10 33 40.7	
H01W2	Cape Luewih Arr	72.75	134	T	10 33 47.7	
H01W1	Cape Luewih Arr	72.76	134	T	10 33 47.8	
MJAR	Matsushiro Arr	74.94	56	P	09 14 41.1	-0.5
MJAR	Matsushiro Arr	74.94	56	P	09 14 41.1	-0.5
MAW	Mawson	81.38	178	P	09 15 16.9	+0.6
WRA	Warramunga Arr	83.21	112	P	09 15 26.6	-0.5
WRA	Warramunga Arr	83.21	112	P	09 15 26.4	-0.7
ASAR	Alice Springs	83.95	116	P	09 15 30.1	-0.7
ASAR	Alice Springs	83.95	116	P	09 15 30.1	-0.7
PDAR	Pinedale Array	122.28	348	PKP	09 21 55.7	-0.1
NVAR	Mina Array Bea	127.77	355	PKP	09 22 08.2	+1.1
TXAR	Carleton Place	133.13	337	PKP	09 22 17.0	+0.3

ASRS 13 09:20:36.0±0.9, 54°28'N:86°14'E, h0km, M3.0(MOS), The  
 earthquakes of Russia in 2020. Obninsk, GS RAS, 2022.  
 NNC 13 09:20:37.9±3.8, 54°27'N:86°12'E, h0km, mb4.0, mpv3.4,  
 Error ellipse: s-maj=40.3km s-min=18.9km az=172.0,  
 Suspected Mining explosion.

IDC 13 09:20:38.2±2.9, 54°24'N:86°16'E, h0km, mbtmp4.1/3,  
 ML3.7/3, Error ellipse: s-maj=23.6km s-min=10.7km  
 az=68.0  
 IDC 13 09:20:32.1±2.4, 53°42'N:0°07:86:2E:0°1', h0km, n9,  
 s106°13, 5C-6D, Southwestern Siberia

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
I46RU	ZALESOVO INFRA	0.97	303	Op	09 25 50.0	
ZAAO	Zalesovo Array	0.97	303	Op	09 20 52.9	-0.1
ZAAO	Zalesovo Array	0.97	303	Op	09 21 06.2	+1.1
ZALV	Zalesovo Beam	0.97	303	Pg	09 20 53.0	0.0
ZALV	Zalesovo Beam	0.97	303	Pg	09 21 06.0	
KURK	Kurchatov	5.40	243	Op	09 22 07.2	0.0
KURK	Kurchatov	5.40	243	Op	09 23 12.4	-0.1
KURK	Kurchatov	5.40	243	Op	09 23 12.4	-0.1
KURB	Kurchatov Arra	5.50	242	Pn	09 22 08.7	-0.2
KURB	Kurchatov Arra	5.50	242	Pn	09 23 47.2	
KURBB	Kurchatov Arra	5.50	242	Op	09 22 08.6	-0.2
KURBB	Kurchatov Arra	5.50	242	Op	09 23 14.4	-0.9
KURBB	Kurchatov Arra	5.50	242	Op	09 23 49.6	
MK31	Makanchi Array	7.09	202	Op	09 22 35.2	-0.9
MK31	Makanchi Array	7.09	202	Op	09 24 02.4	+1.1
MK31	Makanchi Array	7.09	202	Op	09 24 46.4	
MKAR	Makanchi Array	7.09	202	Op	09 22 34.9	-1.2
MKAR	Makanchi Array	7.09	202	Op	09 24 03.6	+2.4
MKAR	Makanchi Array	7.09	202	Op	09 24 45.6	
MKAR	Makanchi Array	7.09	202	Op	09 22 56.2	+6.3
BVAR	Borovoye Array	9.49	274	Pn	09 24 37.2	0.0

SOME 13 09:23:56.1, 43°45'N:82°18'E, h15km  
 NNC 13 09:23:57.1±3.2, 43°44'N:82°16'E, h0km, mb3.7, mpv3.2,  
 1C-1D, Error ellipse: s-maj=24.1km s-min=19.6km  
 az=160.0, Suspected Mining explosion., Northern  
 Xinjiang

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
KTMS	Ketmen	1.33	262	P	09 24 21.5	-1.1
KTMS	Ketmen	1.33	262	eP	09 24 21.5	-1.1
KTMS	Ketmen	1.33	262	eP	09 24 39.8	+0.1
KTMS	Ketmen	1.33	262	eP	09 24 21.5	-1.1
DJR	Jarkent	1.84	293	Pg	09 24 31.0	-8.0
DJR	Jarkent	1.84	293	Pg	09 24 56.3	
DJR	Jarkent	1.84	293	eP	09 24 31.0	-0.8
DJR	Jarkent	1.84	293	eP	09 24 56.4	+0.1
PDGK	Podgornoye	1.96	262	Op	09 24 31.9	+0.1
SHLS	Shalko	2.02	257	P	09 24 29.8	-2.8
SHLS	Shalko	2.02	257	P	09 24 54.3	-4.4
SHLS	Shalko	2.02	257	eP	09 24 28.3	-4.3

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
SHLS	Shalko</					



Table with columns for station name, frequency, power, and status. Includes stations like MLR Muntele Rosu, LPSR Galich ya Gora, TESR Tescani, etc.

Table with columns for station name, frequency, power, and status. Includes stations like KMI2, RNPFS Staryi Chortor, KIRV Kirov, etc.

Table with columns for station name, frequency, power, and status. Includes stations like OKC Ostrava-Krasne, KEST Kesra, ARSA Arzberg, etc.











13d 13h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like GUMO, Guam, TPUB, Ta-pu, etc.

2020 OCT

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like DGZ, Jazzator, ZSN, Zaisan, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BORK, Borovoye, K2K, Donnelly Dome, etc.







Table with columns: Station Name, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Noci, Altamura, Massafra, etc.

Table with columns: Station Name, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Gambatesa, Brajci-Budva, etc.

Table with columns: Station Name, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Romuvaara, Burvik, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for IDC 13 16:18:54.5, 1.6, 0.90N, 126.56E, h0km, mb3.2/3, mblmp3.5/5, ML3.7/2, Error ellipse: s-maj=39.2km s-min=26.4km az=58.0, Northern Molucca Sea.

IDC 13 16:30:42.4, 3.0, 34.44N, 142.62E, h0km, mb3.6/5, mblmp3.6/6, ML2.5/1, MS2.6/1, Error ellipse: s-maj=73.0km s-min=26.1km az=10.5

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for BSO1 Boso 1.0, 9.3, 293 P, MJAR Matsushiro Arr 3.83, 307 Pn, etc.

IDC 13 16:32:45.1, 0.8, 37.09S, 96.04W, h0km, mb4.1/9, mblmp4.1/9, MS3.6/1/2, Error ellipse: s-maj=27.7km s-min=19.3km az=82.0

NEIC 13 16:32:46.8, 1.2, 37.09S, 101.96, 0.90W, 0.1, h10km, 1km, mb4.7/76, Error ellipse: s-maj=20.6km s-min=5.4km az=217.0

IDC 13 16:32:46.5, 0.6, 37.06S, 96.0W, 0.1, h10km, n102, 0563/68, mb4.6/43, MS3.6/12, 1C-2D, Southeast of Easter Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for H03S2 Juan Fernandez 14.31, 82 T, H03S1 Juan Fernandez 14.32, 82 T, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for SAND Sanderson 66.91, 354 P, JCT Junction City 67.28, 356 P, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for PV01 Paradox Valley 75.72, 350 P, PV02 Paradox Valley 75.81, 350 P, etc.

NEIC 13 16:34:04.0, 1.0, 12.52S, 0.02, 167.2E, 0.1, h217km, 6km, mb4.2/36, Error ellipse: s-maj=17.3km s-min=2.0km az=93.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for SANVU Sarauotou 2.90, 178 Op, DZM Mont Dzumac 5.91, 184 P, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for ASAR Alice Springs 33.38, 246 P, BBOO Buckleboe 34.85, 230 P, etc.

IDC 13 17:04:28.8, 1.2, 4.75N, 173.00W, h0km, mb3.6/1, mblmp4.1/2, ML3.4/1, MS3.1/3, Error ellipse: s-maj=30.2km s-min=16.4km az=124.0

RSNC 13 17:04:30.8, 0.0, 5.1N, 2.7W, h13km, 4km, M3.7, mb4.8, mb4.5, ML3.3, ML4.1, Mw(mb)4.1

CATAC 13 17:04:33.2, 0.7, 5.1N, 3.7W, h1km, M4.3/7, mb4.3/2, ML4.2/7, Error ellipse: s-maj=12.5km s-min=4.6km az=118.7, confirmed

FUNV 13 17:04:35.9, 1.7N, 73.20W, h3km, MW4.4, Presumed earthquake

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for CHIC Chingaza 0.65, 236 Op, RUSC La Rusia 0.90, 7 P, etc.



Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like ITAB, ARAG, CLDB, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like VHRN, 128A, MNXX, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like MATP, URZ, FRB, etc.

GUC 13 17:17:44.8-0.6, 20:39S-69:20W, h114km, 3km, ML3.9, 2C-1D, Presumed earthquake, Northern Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like PB08, PB02, etc.

IDC 13 17:21:06.0-5.0, 3:75S-127:65E, h48km, 62km, mb3.3/3, mbmp3.6/5, ML3.1/2, Error ellipse: s-maj=58.3km

s-min=20.1km az=103.0 ISC 13 17:17:04.8-0.1, 3:85S-01:127:7E, 0.1, h34km, n7, o1, 78/8, mb3.8/3, Seram

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like SIJI, SIJI, etc.

CATAC 13 17:46:43.7-1.0, 7:14N-4:73W, 1.0, h237km, 11km, M3.3/6, mb3.5/1, MLV3.2/6, confirmed

FUNV 13 17:46:53.5, 7.09N:73.29W, h17km, MW3.6, Presumed earthquake

ISC 13 17:46:48.9-1.4, 6.87N:0.03:73.13W:0.04, h152km, 8km, n30, e1571/53, Northern Colombia

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC. Lists various stations like BARC, BRUC, RUSC, etc.

IDC 13 17:55:32.5:458.0, 67.30N:15.19E, h0km, Error ellipse: s-maj=199.4km s-min=47.4km az=36.0, Northern Norway

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC. Lists stations like I37NO, I43RU, I43KZ, etc.

IDC 13 17:58:20.4:999.0, 35.21N:8.16E, h0km, Error ellipse: s-maj=199.4km s-min=26.8km az=57.0, Tunisia

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC. Lists stations like H48TN, I26DE, I31KZ, etc.

MOS 13 18:30:30.9, 41.30N:48.63E, h31km, MPVA3.3

AZER 13 18:30:31.9, 41.28N:48.69E, h30km, ml2.2

DRS 13 18:30:32.1, 41.23N:48.61E, h26km

NORS 13 18:30:48.8, 41.85N:48.12E, h9km, MPVA3.3

ISC 13 18:30:34.0-0.9, 41.28N:0.02:48.64E:0.03, h29km, 7km, n40, e150/72, Eastern Caucasus

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC. Lists stations like QUBA, SIYZ, QUSAR, etc.

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC. Lists stations like NDR, MNGR, ALIB, etc.

SJA 13 18:34:09.0-0.9, 34.01S:72.23W, h20km, 3km, ML3.5, MW3.7

GUC 13 18:34:10.7-0.7, 34.04S:72.21W, h36km, 3km, ML3.6

ISC 13 18:34:09.8-1.3, 33.98S:0.02:72.15W:0.05, h8km, 10km, n46, e1536/69, Off coast of central Chile

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC. Lists stations like BO03, BO03, BO03, etc.

IDC 13 18:49:51.7, 2.2, 2.41N:128.58E, h246km, 31km, mb3.0/7, mbtmp3.6/8, Error ellipse: s-maj=62.8km s-min=15.5km az=72.0

ISC 13 18:49:51.5-1.0, 2.5N:0.2:128.6E:0.3, h250km, n9, e1902/9, mb3.3/6, Halmahera

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC. Lists stations like ROCH, BO02, BO02, etc.

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC. Lists stations like MT08, ML02, CO04, etc.

IDC 13 18:44:32.0:600.0, 66.47N:14.40E, h0km, Error ellipse: s-maj=245.5km s-min=64.8km az=31.0, Northern Norway

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC. Lists stations like I37NO, I43RU, I46RU, etc.

NNC 13 18:46:35.5:8.6, 36.79N:70.62E, h115km, 208km, mb2.6, mpv3.0, Error ellipse: s-maj=83.3km s-min=74.8km

ISC 13 18:46:31.7-1.4, 36.53N:0.09:70.8E:0.1, h100km, n10, e1841/17, 4C-ID, Hindu Kush region

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC. Lists stations like JMU, ALCI, TSSA, etc.

IDC 13 18:49:51.7, 2.2, 2.41N:128.58E, h246km, 31km, mb3.0/7, mbtmp3.6/8, Error ellipse: s-maj=62.8km s-min=15.5km az=72.0

ISC 13 18:49:51.5-1.0, 2.5N:0.2:128.6E:0.3, h250km, n9, e1902/9, mb3.3/6, Halmahera

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC. Lists stations like SIJI, KCP, FITZ, etc.

IDC 13 19:07:22.1, 1.7, 34.03S:72.25W, h20km

NEIC 13 19:07:22.7, 34.02S:72.25W, h20km

GFZ 13 19:07:22.4-0.2, 34.2, 2x7.2W, h10km, M4.5/15, mb4.5/15, confirmed

NEIC 13 19:07:23.2-1.4, 34.00S:0.04:72.22W:0.03, h20km, 3km, mb4.4/14, Mw4.4, 1/45, ML4.1 (GUC), Error ellipse: s-maj=6.4km s-min=3.0km az=148.0, Moment Tensor Solution: Moment tensor: Scale 10^15Nm: M1: 4.6; M2: -0.11; M3: 1.34; M4: 0.01; M5: -0.22; M6: -0.59; Fault plane solution: M1: 5.40000x10^15; NP2: 13.07000x10^15; 33.87000x10^15; 37.000x10^15; 186.61000x10^15; 356.30000x10^15; 86.40000x10^15. Principal axes: T: 1.5763, Plg7.0000x10^15; N: -0.0782, Plg3.0000x10^15; Azm189.0000x10^15; P: -1.4981, Plg11.0000x10^15; Azm279.0000x10^15

GUC 13 19:07:23.8-0.7, 34.04S:72.24W, h32km, 2km, ML4.1, Presumed earthquake

ISC 13 19:07:22.1-1.7, 34.03S:0.02:72.24W:0.04, h13km, 10km, n163, e1517/191, mb4.5/18, MS3.6/13, 13C-ID, Near coast of central Chile

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC. Lists stations like BO03, BO03, BO03, etc.

Table with columns: BO03, VA05, MT01, etc. and rows listing various stations and their coordinates. Includes entries like Pichilemu, Santo Domingo, Popeta, Hualane, etc.

Table with columns: CO03, ZON, GO04, etc. and rows listing various stations and their coordinates. Includes entries like El Pedregal, Tololo Observa, Coronel Fontan, etc.

Table with columns: H11S1, H11N3, H11N1, etc. and rows listing various stations and their coordinates. Includes entries like WAKE ISLAND Hyt25.61 269, WAKE ISLAND Hyt25.62 269, etc.





Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CELP Cerrillos, CELP Esperanza, CELP Experimental, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MDP Montagnes des, H05S1 Guadeloupe/Mar, H10N3 ASCENSION HYDR32.65, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MKAR Makanchi Array, WRA Warramunga Arr, ASAR Alice Springs, etc.

0.6nm,0.5s WRA Warramunga Arr 43.50 264 P 21 16 03.9 +0.4
QSPA South Pole Qui 67.97 180 P 21 18 58.4 -0.2
HFS Hagfjors 140.97 350 PKP PKPfd 21 27 30.1 +0.6
IDC 13 21:09:24.6:0.4, 8:26S:74.1:16W, h148km, 3km, mb4.1/27, mbtmp4.6/33, MS3.4/2, Error ellipse: s-maj=10.4km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CZSB Cruzeiro do Sul, NNA Nana, MCRA Macar, PIAT Ana Tenorio, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BBSO Serra de San D, PTBL Pontes e Lacer, BOAV Boa Vista, etc.

Table with columns: Station, Name, Time, Frequency, Mode, and other details. Includes stations like ITAB, PMNB, SPB, etc.

Table with columns: Station, Name, Time, Frequency, Mode, and other details. Includes stations like PV22, BC3, SRU, etc.

Table with columns: Station, Name, Time, Frequency, Mode, and other details. Includes stations like EMAL, PBRG, QSPA, etc.





Table with columns: Station Name, Time, Res, ISC, Op, Phase ID, H, m, s, ISC. Includes stations like MWZ Matawai, CNGZ Carnagh Statio, Urewera, Te Karaka, Rawiri, Murupara, Kokoho, Maungataniwha, Mahia Peninsul, Naumai, Black Stump Fm, Kaweka Forest, Cape Knapper, Hill Hill Sta, Kereru, Kahurangi, Pawanui, Pukenui, Birch Farm.

IDC 14 00:40:00.6:0.15:58N:88.83W, h0km, mb3.4/3, mbmp3.6/7, ML3.4/4, MS3.5/25, Error ellipse: s-maj=16.0km s-min=9.0km az=38.0

SNET 14 00:40:00.1:2.3, 15:60N:88.78W, h3km, ML4.9, Presumed earthquake

CATAC 14 00:40:01.5:0.2, 16:1N:89.9W, h1km, M5.0/31, ML5.0/31, Error ellipse: s-maj=3.2km s-min=2.7km

zaz=21.8, Moment Tensor Solution. Moment tensor: Scale 10^15Nm; Mw=1.27; Mw-2.55; Mw-3.82; Mw-0.76

Mw-1.61; Mw-1.03; Fault plane solution: Ms3.94372x10^15 Np1=123.25814°, s86.41378°, -159.45843°. NP2: 0.3191546°, d69.50047°, -1.382902°. Principal axes: T 4.4443, P1g11.7358°, Azm255.8121°; N -1.3627, P1g69.1611°, Azm132.7351°; P -3.0817, P1g16.9693°, Azm349.4466°; confirmed

GCG 14 00:40:01.8:1.3, 15:53N:88.90W, h4km, MD4.8, ML5.0, Presumed earthquake

NEIC 14 00:40:02.1:2.0, 15:49N:0.09:88.9W:0.1, h10km, 1km, mb4.3/40, Error ellipse: s-maj=24.4km s-min=14.1km az=110.0

ISC 14 00:40:00.1:1.7, 15:52N:0.03:88.71W:0.02, h7km, 11km, n150, s192/165, mb4.4/12, MS3.5/23, Honduras

Main table for 14d 1h section, listing station names, times, residuals, and phases for various earthquakes.

Main table for 2020 OCT section, listing station names, times, residuals, and phases for various earthquakes.

Table for 704 section, listing station names, times, residuals, and phases for various earthquakes.

IDC 14 01:10:58.5:1.0, 5:10S:134.06E, h0km, mb4.0/1, mbmp3.9/6, ML3.9/4, MS3.2/2, Error ellipse: s-maj=17.7km

DJA 14 01:11:00.9:0.6, 5:2:13.4E, h14km, 6km, M4.6/16, m85.3/6, mb4.7/13, ML4.4/16, Mw(mB)4.76

ISC 14 01:11:01.1:0.8, 5:08S:0.06:133.98E:0.07, h28km, n18, 0250/20, Aru Islands region

Main table for 704 section, listing station names, times, residuals, and phases for various earthquakes.

IDC 14 01:51:58.6:12.0, 25:21S:179.45E, h595km, 148km, mb3.1/5, mbmp4.0/5, Error ellipse: s-maj=53.2km

s-min=27.8km az=72.0

ISC 14 01:51:51.2:1.0, 25:33S:0.2:179.7E:0.2, h507km, n9, 0548/8, mb3.7/7, 1D, South of Fiji Islands

Main table for 704 section, listing station names, times, residuals, and phases for various earthquakes.



GII 14 01:52:17.4-0.0,35:544N,0:002-26:358E,0:001,h0km, Mw5.1, confirmed  
 IDC 14 01:52:17.8-0.7,35:65N,26:21E,h0km,mb3.8/8, mbmp3.7/19,ML3.9,M2.6/6, Error ellipse: s-maj=13.6km s-min=8.7km az=11.0  
 ISK 14 01:52:18.1,35:65N,26:23E,h10km,ML3.7/12  
 NEIC 14 01:52:19.0,1.0,35:52N,0:07-26:23E,0:04,h10km,4km, mb4.2/9, Error ellipse: s-maj=10.1km s-min=4.2km az=170.0  
 THE 14 01:52:19.8,36:N,2:26:E, h12km,4km, M3.7/31, MLh3.7/31  
 ATH 14 01:52:19.0,35:63N,26:30E,h12km,2km,ML3.7/11, Latitude uncertainty: 0 km; Longitude uncertainty: 1 km  
 AFAD 14 01:52:25.6,35:78N,27:02E,h17km,1km,MW3.7  
 ISC 14 01:52:20.1-1.0,35:58N,0:03-26:29E,0:02,h25km,8km, n215,σ157/273,mb4.0/11,Crete

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
SIT2	Sitiea	0.40	201	Op	01 52 27.9	-0.8
ZKR	Zakros	0.47	187	Pg	01 52 29.0	-0.8
ZKR	Zakros			Sg	01 52 36.9	+0.5
ZKR	Zakros	0.47	187	P	01 52 29.5	-0.3
ZKR	Zakros			Sb	01 52 36.7	+0.4
ZKR	Zakros	0.47	187	P	01 52 38.9	-0.8
AGNA	Agios Nikolaos	0.61	230	P	01 52 31.8	-0.3
AGNA	Agios Nikolaos			Sb	01 52 40.3	0.0
NPS	Neapolis	0.64	240	P	01 52 32.2	-0.4
NPS	Neapolis			Sb	01 52 41.1	0.0
NPS	Neapolis	0.64	240	AML	01 52 32.0	-0.6
NPS	Neapolis			Pb	01 52 41.4	+0.3
NPS	Neapolis			AML	01 52 33.4	-0.6
NPS	Neapolis			Pg	01 52 44.6	-0.2
KARP	Karpathos	0.71	93	Pg	01 52 33.4	-0.6
KARP	Karpathos			Sg	01 52 44.6	-0.2
KARP	Karpathos	0.71	93	AML	01 52 33.3	-0.6
KARP	Karpathos			Pb	01 52 44.8	0.0
KARP	Karpathos	0.71	93	S	01 52 33.3	-0.6
KARP	Karpathos			Sb	01 52 44.1	+0.8
KARP	Karpathos	0.71	93	AML	01 52 32.8	-1.1
KARP	Karpathos			Pb	01 52 33.3	-0.6
KARP	Karpathos			Pb	01 52 36.9	-1.1
ASTA	Astypalaia	0.96	3	P	01 52 33.3	-0.6
ASTA	Astypalaia			Pb	01 52 36.9	-1.1
Thera	Ancient Thera	1.02	320	AML	01 52 38.3	-0.5
Thera	Ancient Thera			Sb	01 52 51.5	-0.7
Thera	Ancient Thera	1.02	320	AML	01 52 38.2	-0.7
Thera	Ancient Thera			Sb	01 52 51.4	-0.8
IACM	Heraklion	1.03	255	P	01 52 39.6	+0.4
IACM	Heraklion			S	01 52 52.7	+0.1
IACM	Heraklion	1.03	255	AML	01 52 38.7	-0.3
IACM	Heraklion			Pb	01 52 53.5	+1.1
IACM	Thira	1.08	320	S	01 52 39.5	-0.2
IACM	Thira			Sb	01 52 53.9	+0.1
Thra	Thira	1.08	320	AML	01 52 39.2	-0.5
Thra	Thira			Pb	01 52 52.9	-0.6
SNTS	Nea Kammeni, S	1.09	319	P	01 52 39.5	-0.4
SNTS	Nea Kammeni, S			Sb	01 52 55.3	+1.1
SNTS	Nea Kammeni, S	1.09	319	AML	01 52 39.5	-0.4
SNTS	Nea Kammeni, S			Pb	01 52 55.3	+1.1
CMBO	Columbo, Santo	1.14	321	P	01 52 40.4	-0.1
CMBO	Columbo, Santo			S	01 52 55.3	0.0
CMBO	Columbo, Santo	1.14	321	AML	01 52 40.3	-0.1
CMBO	Columbo, Santo			Pb	01 52 40.1	-0.5
SAP3	Santorini-Thir	1.14	318	P	01 52 40.0	-0.5
SAP3	Santorini-Thir			Pb	01 52 40.6	-0.4
IDI	Anoyia	1.18	256	Pn	01 52 55.5	-0.8
IDI	Anoyia			Sn	01 52 55.5	-0.8
IDI	Anoyia	1.18	256	AML	01 52 40.7	-0.4
IDI	Anoyia			Sb	01 52 56.9	+0.3
IDI	Anoyia	1.18	256	AML	01 52 40.7	-0.4
IDI	Anoyia			Sb	01 52 56.9	+0.3
IDI	Anoyia	1.18	256	AML	01 52 40.6	-0.4
IDI	Anoyia			Pb	01 52 44.5	+0.1
SIVA	Sivas	1.33	245	P	01 53 01.6	+0.6
SIVA	Sivas			AML	01 52 44.2	-0.2
YAZI	Mula-Datša	1.45	20	P	01 52 44.0	-0.7
KLNA	Kalymnos	1.48	22	P	01 52 44.8	-0.3
DAT	Datca	1.55	42	Pn	01 52 46.0	-0.4
DAT	Datca			P	01 52 46.6	+0.4
DAT	Datca	1.55	42	AML	01 52 45.7	-0.5
DAT	Datca			S	01 53 01.9	-3.7
APE	Apeiranthos	1.60	338	Pn	01 52 46.2	-0.7
APE	Apeiranthos			Sb	01 53 06.6	-0.3
APE	Apeiranthos	1.60	338	AML	01 52 46.5	-0.4
APE	Apeiranthos			AML	01 52 46.0	-0.9
APE	Apeiranthos			Pb	01 52 47.2	+0.2
APE	Apeiranthos	1.62	338	AML	01 52 47.3	+0.3
ARG	Arkhangelos	1.62	67	Pn	01 53 09.9	+0.6
ARG	Arkhangelos			Sb	01 53 09.9	+0.6
ARG	Arkhangelos	1.62	67	AML	01 52 47.8	+0.8
ARG	Arkhangelos			AML	01 52 47.5	+0.4
ARG	Arkhangelos	1.62	67	P	01 52 47.3	+0.3
ARG	Arkhangelos			AML	01 52 47.3	+0.3
NAX1	Naxos Island	1.69	334	P	01 52 48.9	+0.9
NAX1	Naxos Island			AML	01 52 48.9	+0.9
BODM	Bodrum-Mula	1.72	32	Pn	01 52 48.3	-0.1
YKAV	Yalikavak-BoDr	1.73	27	Pn	01 52 48.6	0.0
Kayabasi	Kayabasi	1.73	32	P	01 52 48.8	0.3
BDRM	Bodrum			S	01 53 04.2	-6.2
CHNB	Souda	1.81	268	P	01 52 50.6	+0.9
IMMV	Iera Moni Meta	1.89	267	AML	01 52 50.8	+0.1
IMMV	Iera Moni Meta			AML	01 52 51.0	+0.3
MHLO	Agia Marina, M	1.89	306	P	01 52 51.9	+1.0
MHLO	Agia Marina, M			P	01 52 51.9	+1.0
GVD	Gavdhos	1.95	248	P	01 52 54.1	-0.8
GVD	Gavdhos			AML	01 52 52.4	+0.4
TURN	Turunc	1.98	52	Pn	01 52 51.8	-0.3
TURN	Turunc			AML	01 53 10.3	-5.8
TURN	Turunc	1.98	52	P	01 52 51.8	-0.3
TURN	Turunc			Sb	01 52 56.9	+0.8
DDIM	Aydin, Didim	2.02	22	P	01 52 53.6	0.0
MLSB	Milas	2.09	35	Pn	01 52 53.6	0.0
MLSB	Milas			AML	01 52 56.4	+1.3
KNDR	Palaiochora Ch	2.20	262	AML	01 52 55.6	+0.6
KNDR	Palaiochora Ch			AML	01 52 55.4	-0.1
KRL1	Karlovos Samo	2.23	9	P	01 52 56.3	+0.7
YER	Yerkesik	2.23	46	Pn	01 52 56.8	+1.2
YER	Yerkesik			AML	01 52 56.3	+0.6
YER	Yerkesik	2.23	46	AML	01 53 21.1	-1.5
YER	Yerkesik			S	01 52 57.3	+1.2
GCAM	G?zelcaml?	2.25	20	P	01 53 19.2	-4.1
GCAM	G?zelcaml?			S	01 52 58.9	+1.8
DALY	Dalyan (Mula)	2.28	57	Pn	01 53 24.1	-1.0
DALY	Dalyan (Mula)			P	01 52 58.9	+1.8
DALY	Dalyan (Mula)	2.28	57	AML	01 53 24.1	-1.0
DALY	Dalyan (Mula)			S	01 52 58.9	+1.8
MULA	Mugla, Merkez-	2.34	44	P	01 52 58.9	+1.8
MULA	Mugla, Merkez-			S	01 52 58.9	+1.8
AYDN	Tasoluk	2.44	31	P	01 52 58.9	+1.8
ANKY	Antikythira Is	2.45	278	AML	01 52 58.3	-0.1
ANKY	Antikythira Is			AML	01 52 58.3	-0.1
ANKY	Antikythira Is	2.45	278	P	01 53 00.1	+1.0
FETY	Fethiye	2.50	64	AML	01 53 00.7	+1.5
FETY	Fethiye			S	01 53 26.7	-2.2
SABU	Mula-Dalaman	2.51	11	P	01 53 26.7	-2.2
SABU	Mula-Dalaman			P	01 53 26.7	-2.2
DGB	zmir	2.51	11	P	01 53 26.7	-2.2

IZZE	Mula-Seydike	2.53	69	P	01 53 00.6	+1.0
IZZE	Mula-Seydike			Pn	01 53 31.8	+2.2
ZEYE	Izmir, Ura-Ze	2.66	4	S	01 52 59.5	-1.8
KTHA	Kythira Island	2.70	285	AML	01 53 02.5	+0.5
KTHA	Kythira Island			AML	01 53 02.5	+0.5
KTHA	Kythira Island	2.70	285	AML	01 53 02.2	+0.3
KTHA	Kythira Island			AML	01 53 03.4	+0.8
KTHR	Kythira	2.75	285	P	01 53 03.4	+0.8
KTHR	Kythira			AML	01 53 03.9	+1.1
KTHR	Kythira			AML	01 53 04.7	+1.7
ESHN	Aydin-Nazilli	2.76	36	P	01 53 02.7	-0.3
AKAS	Kas	2.77	75	Pn	01 53 31.5	-4.2
AKAS	Kas			AML	01 53 04.2	+1.2
AKAS	Kas	2.77	75	S	01 53 04.2	+1.2
AKAS	Kas			S	01 53 04.2	+1.2
AKAS	Kas	2.77	75	P	01 53 04.6	+1.3
CAME	Cameli-Nazilli	2.79	60	Pn	01 53 07.5	-1.7
DUVT	Torbali	2.79	19	P	01 53 07.5	-1.7
CHOS	Chios island	2.81	356	P	01 53 03.3	-0.2
CHOS	Chios island			AML	01 53 03.2	-0.2
CHOS	Chios island	2.81	356	P	01 53 04.1	+0.1
CHOS	Chios island			P	01 53 05.4	+1.6
TAVA	DENIZLI Tavass	2.83	48	P	01 53 36.7	-0.5
TAVA	DENIZLI Tavass			P	01 53 04.4	+0.3
KARY	Karystos	2.86	329	P	01 53 04.1	0.0
KARY	Karystos			AML	01 53 04.1	0.0
BLCB	Balcova	2.86	12	P	01 53 06.8	+2.4
BLCB	Balcova			AML	01 53 06.1	+0.6
IZMR	zmir-demi	2.88	27	P	01 53 06.8	+2.4
IZMR	zmir-demi			Sb	01 53 06.8	+2.4
CAMR	Camir	2.89	57	P	01 53 07.5	-1.7
CAMR	Camir			S	01 53 07.5	-1.7
CAEL	Denizli, Camel	2.89	57	P	01 53 03.3	-0.2
CAEL	Denizli, Camel			S	01 53 03.3	-0.2
VLI	Veliiai	2.94	294	P	01 53 05.6	+0.4
VLI	Veliiai			AML	01 53 05.6	+0.4
VLI	Veliiai	2.94	294	AML	01 53 05.5	+0.2
VLI	Veliiai			P	01 53 06.1	+0.6
KNIK	Mula-Seydike	2.94	64	P	01 53 36.4	-3.5
KNIK	Mula-Seydike			S	01 53 07.8	+1.6
DNIZ	Denizli-Tavass	3.01	47	P	01 53 37.8	-3.8
DNIZ	Denizli-Tavass			S	01 53 07.0	+0.6
VLY	Voula,Athens	3.02	319	P	01 53 06.6	+0.2
VLY	Voula,Athens			AML	01 53 06.6	+0.2
VLY	Voula,Athens	3.02	319	AML	01 53 06.6	+0.2
VLY	Voula,Athens			AML	01 53 06.6	+0.2
APMY	Acipayam-Deniz	3.07	51	Pn	01 53 06.3	+1.1
APMY	Acipayam-Deniz			AML	01 53 06.3	+1.1
KARB	zmir-Karabur	3.08	2	P	01 53 06.3	-0.8
BAGT	Fos	3.10	8	P	01 53 12.1	+0.1
BAGT	Fos			P	01 53 08.4	+0.8
KIRA	zmir-Kiraz	3.11	32	P	01 53 08.4	+0.8
KIRA	zmir-Kiraz			P	01 53 08.4	+0.8
ATHU	Athens Univer	3.11	321	P	01 53 08.4	+0.8
ATHU	Athens Univer			AML	01 53 09.5	+1.8
GOLH	Golhisar	3.11	57	P	01 53 09.0	+1.2
GOLH	Golhisar			AML	01 53 09.0	+1.2
DION	Dionisos Attik	3.13	324	AML	01 53 08.9	+1.0
DION	Dionisos Attik			AML	01 53 08.9	+1.0
PTL	Penteli	3.14	322	P	01 53 09.9	+1.6
PTL	Penteli			AML	01 53 09.7	+1.4
ELL	Elmali	3.15	67	Pn	01 53 10.1	+1.6
ELL	Elmali			AML	01 53 09.7	+1.4
ELL	Elmali	3.15	67	AML	01 53 10.1	+1.6
ELL	Elmali			P	01 53 09.4	-0.3
SULTU	Sultan	3.17	38	P	01 53 07.2	+2.9
SULTU	Sultan			S	01 53 12.1	+4.1
CAMT	Merkez	3.26	14	P	01 53 13.8	+2.0
CAMT	Merkez			S		

14d 3h

comp=Z,9.6nm,20.1s,baz=270,slow=38
MKAR Makanchi Array 67.07 37 P P 02 07 26.0 +0.2
VANDA Vanda 97.10 171 LR LR 02 54 06.7

NEIC 14 02:07:36.3; 1.2, 30.31S; 0.05; 178.0W; 0.2, h26km, 4km,
mb4.4/12, Error ellipse: s-maj=23.7km s-min=6.9km

IDC 14 02:07:38.8; 1.8, 30.23S; 177.84W, h50km, 16km, mb4.0/5,
mbmp4.2/5, MS3.1/3, Error ellipse: s-maj=26.4km
s-min=18.4km az=100.0

ISC 14 02:07:36.9; 0.6, 30.42S; 0.07; 178.1W, 0.1, h35km, n41,
o147/38, mb4.4/13, Kermadec Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their data points.

2020 OCT

Main table of seismic events for October 2020. Columns include EKS2, TNSS, TNS5, MDOK, etc., with associated time, magnitude, and location data.

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Table of seismic events for October 2020, continuing from the previous table. Columns include EIDS, CTAO, BBOO, etc., with associated time, magnitude, and location data.



Table of station data for the 14-day period, including station names, codes, and various parameters like station name, time, and resolution.

Main table of station data for 2020 OCT, listing station names, codes, and parameters such as station name, time, and resolution.

Table of station data for the 708-day period, including station names, codes, and various parameters.

TAP 14 04:41:35.6,24:64N:122:91E,h10km,ML3.5,D
JMA 14 04:41:36.6,0.2,24°N,122°E,0.6,h107km,1km,
MV2.9/16,NW OFF ISHIGAKUIIMA IS
ISC 14 04:41:37.2,1.4,24:53N,104:122:87E,0.02,h102km,7km,

Table of station data for the 708-day period, including station names, codes, and various parameters.

14C 14 04:22:32.1,5.9,36:05N:70:51E,h168km,54km,mb3.3/4,
mbmp3.8/9,MS4.2/1,Error ellipse: s-maj=42.6km
s-min=30.1km,az=22.0
NEIC 14 04:22:37.5,1.8,36:46N:07:70:37E,0.09,h207km,9km,
mb4.2/10,Error ellipse: s-maj=11.3km s-min=8.9km
az=127.0
NNC 14 04:22:42.0,5.4,36:84N:70:37E,h168km,108km,mb3.5,
mpv4.4,Error ellipse: s-maj=54.7km s-min=28.8km
az=21.0
ISC 14 04:22:36.7,0.6,36:46N:05:70:48E,0.06,h204km,n62,
+181/63,mb2.4,3C-2D,Hindu Kush region

DJA 14 04:34:03.1,0.8,8°S,9:117E, h12km,9km, M3.7/12,
mb3.9/1,MLV3.6/12,Sumbawa region
TWSI Tailwang, Sumb 0.40 201 Op ISC
PLAI Plampang 0.87 122 AML AML
DBNI Kabupaten Domp 1.28 96 P P
KHKI Kabang-Kahang 1.41 270 P P
SRBI Singaraja 1.82 279 AML AML
IGBI Denpasar 1.92 256 P P
LJBI Labuhan Bajo, 2.83 93 P P
JAGI Jagaj, Banyuwu 2.85 268 P P
BSSS Bau Bau, Buton 4.08 58 AML AML
BKSI Bulukumba 4.30 46 P P
SNJI Sawahan-Nganju 5.25 276 P P
MEX 14 04:37:53.0,4.0,8,19:59N:102:30W,h15km,Presumed
earthquake,Michoacan
INCO Volcan de Coli 1.23 267 eP Pn







Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like Matias Romero, Huatulco, La Caada, Tuzandepetl, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like China Draw, GOGA Godfrey, DKNS Dicens, YS2A Liburn, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like Little Huntoon, Hailey, Manacapuru-Am, Lac du Bonnet, etc.

Table with columns: NR/K, Station Name, Time, Res, ISC. Includes stations like Noril'sk, Sado, Makanchi Array, etc.

ISK 14 07:04:46.6, 39.52N; 40.41E, h8km, ML2.7/16
AFAD 14 07:04:47.7, 39.46N; 40.32E, h7km, 9km, ML2.5

Main table for Turkey stations. Columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Yedisu-Bingol, Erzincan, Bingli, Karliova-Bingo, etc.

Main table for 2020 OCT stations. Columns: MKR31, Station Name, Time, Res, ISC. Includes stations like Makanchi Array, Kurchatov Arra, etc.

Table with columns: WHF, TDCB, SHUL, LIOB, ESU, IRIF, OWD, WUSB, WARB, WCS, WWT, HGSD, SMLT, SSLB, TYC, YULB. Includes station names and time/res data.

IDC 14 07:47:12.1 ± 1.4, 49.83N; 81.55E, h0km, mbtmp2.7/2, ML2.2/2, Error ellipse: s-maj=15.3km s-min=12.1km az=84.0

Main table for Kazakhstan stations. Columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Semipalatinsk, Kurchatov Arra, etc.

KRSZO 14 08:13:59.8 ± 2.3, 47.56N; 18.49E, h0km, 3km, ML1.4/3, Error ellipse: s-maj=5.7km s-min=3.3km az=123.0

Table for Suspected Explosion, Hungary. Columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Cskako, Magyarpolny, etc.

VIE 14 08:14:37.4 ± 0.1, 48.82N; 16.18E, h0km, mb1.1/3, ml1.7/5, ml1.6/4, Error ellipse: s-maj=0.9km s-min=0.6km

Table for explosion, Austria. Columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ABNA, CONA, etc.

IDC 14 08:14:46.5 ± 2.8, 2.24N; 128.23E, h227km, 30km, mb2.3/4/6, mbtmp4.0/7, Error ellipse: s-maj=53.7km s-min=15.8km az=73.0

Main table for 14 08:14:46.5 ± 2.8, 2.24N; 128.23E, h227km, 30km, mb2.3/4/6, mbtmp4.0/7, Error ellipse: s-maj=53.7km s-min=15.8km az=73.0. Includes stations like TMTI, NANI, etc.



14d 10h

20nm,0.3s,baz=98,slow=19,SNR=11  
23nm,0.5s

Table listing seismic stations with columns for station name, coordinates, and various parameters. Includes stations like DLBC, D23K, BLKN, etc.

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Main table of seismic events with columns for station name, magnitude, time, and location. Includes events like F24K Squaw Lake, D23K Nanushuk River, etc.

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Table listing specific seismic events with columns for station name, magnitude, time, and location. Includes events like BRLS Borolday, KK31 Karatay Array, etc.

Table listing seismic events with columns for station name, magnitude, time, and location. Includes events like JMA 14 09:54:47.8, JHH2 Haha-jima-NKT2, etc.

Table listing seismic events with columns for station name, magnitude, time, and location. Includes events like IDC 14 09:57:50.1, SIJI Sorong, etc.

SNET 14 10:17:02.9, 6.2, 15.63N-88.67W, h5km, ML4.5, Presumed earthquake

CGC 14 10:17:03.6, 6.2, 15.59N-88.78W, h6km, 13km, MD5.1, ML4.9, Presumed earthquake

NEIC 14 10:17:04.7, 1.5, 15.60N-05.88, 76W, 0.06, h10km, 1km, mb4.1/2.8, Error ellipse: s-maj=9.9km s-min=8.7km

Table listing seismic events with columns for station name, magnitude, time, and location. Includes events like IDC 14 10:17:03.2, IZABA Izabal, Puerto, etc.

Table listing seismic events with columns for station name, magnitude, time, and location. Includes events like PSNO Presa 5 de nov, PSNO Presa 5 de nov, etc.

Table listing seismic events with columns for station name, magnitude, time, and location. Includes events like APG El Apazote, APG El Apazote, etc.

Table listing seismic events with columns for station name, magnitude, time, and location. Includes events like UNIC Universidad Ca, SLOZ Alcadia de Sa, etc.

Table listing seismic events with columns for station name, magnitude, time, and location. Includes events like SLOZ Alcadia de Sa, SLOZ Alcadia de Sa, etc.

Table listing seismic events with columns for station name, magnitude, time, and location. Includes events like COEG Centro de Oper, COEG Centro de Oper, etc.

Table listing seismic events with columns for station name, magnitude, time, and location. Includes events like LOMA Loma Larga, LOMA Loma Larga, etc.









14d 11h

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Table with columns: BRTR, comp, LR, LR, 11 21 50.2, etc. Lists various astronomical objects and their coordinates.

Table with columns: MNK, i/PPP, i/SSS, pmax, etc. Lists astronomical objects with various parameters.

Table with columns: BJT, comp, 51.91 59, P, P, 11 15 25.4 0.0, etc. Lists astronomical objects with detailed parameters and codes.



14d 13h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Urewera, Waipu Caves, Maungataniwha, etc.

NNC 14 13:08:34.2, 3.1, 40.133N, 77.20E, h0km, mb2.9, mpv2.9, Error ellipse: s-maj=22.0km s-min=12.9km az=177.0

SOME 14 13:08:34.1, 40.33N, 77.17E, h20km

KRNET 14 13:08:02.9, 0.1, 39.29N, 77.40E, mb3.0, 14C-10D, Southern Xinjiang

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Naryn, Taragay, Kajisay, etc.

IDC 14 13:11:20.3, 1.0, 8.68N, 127.02E, h0km, mb4.0/8, mbmp4.0/9, ML4.2/1, Error ellipse: s-maj=70.9km s-min=17.5km az=63.0

NEIC 14 13:11:22.6, 1.0, 8.7N, 127.1E, 0.1, h10km, 1km, mb4.2/12, Error ellipse: s-maj=23.0km s-min=12.4km az=41.0

MAN 14 13:11:26.0, 8.47N, 126.78E, h19km, MS3.9, ISC 14 13:11:24.2, 1.7, 8.61N, 127.00E, 0.07, h26km, 11km, n45, s169/59, mb4.2/14, Philippine Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Tandag City, Cateel, Musuan, Davao City, etc.

2020 OCT

Table with columns: ASAR, Alice Springs, 32.78 168 P P 13 17 56.7 +1.2, etc. Includes stations like Alice Springs, BBOO, EVN, etc.

NEIC 14 13:36:02.2, 1.5, 46.6N, 0.1, 151.8E, 0.1, h99km, gkm, mb4.4/24, Error ellipse: s-maj=17.0km s-min=12.1km az=158.0

IDC 14 13:36:04.5, 7.0, 46.89N, 151.74E, h112km, 49km, mb3.5/11, mbtmp3.8/12, Error ellipse: s-maj=58.0km s-min=18.8km az=1.0

ISC 14 13:36:01.9, 0.7, 46.6N, 0.1, 151.77E, 0.008, h100km, n64, s076/62, mb4.3/27, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YSS, YSS, YSS, etc.

ILAR 14 13:11:22.6, 1.0, 8.7N, 127.1E, 0.1, h10km, 1km, mb4.2/12, Error ellipse: s-maj=23.0km s-min=12.4km az=41.0

ILAR 14 13:11:26.0, 8.47N, 126.78E, h19km, MS3.9, ISC 14 13:11:24.2, 1.7, 8.61N, 127.00E, 0.07, h26km, 11km, n45, s169/59, mb4.2/14, Philippine Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Burnt Mountain, Iago River, Beaver Creek, etc.

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Table with columns: NOA, NORSAR Array B, 68.08 341 P P 13 46 50.0 -0.4, etc. Includes stations like NORSAR Array B, Hagfors, etc.

NEIC 14 13:48:53.1, 0.7, 18.11N, 0.2, 68.21W, 0.07, h82km, 10km, ML2.7/39, MD3.5/8(RSPR), Error ellipse: s-maj=26.3km s-min=5.4km az=199.0

RSRP 14 13:48:54.9, 18.14N, 68.20W, h74km, 2km, MD3.5/8 OSPL 14 13:48:54.5, 0.9, 18.14N, 68.23W, h80km, 5km, ML2.8, Presumed earthquake

SDD 14 13:48:57.5, 2.3, 18.30N, 68.06W, h64km, 11km, MD3.3, ML2.7, MW3.2, Presumed earthquake

ISC 14 13:48:53.9, 1.3, 18.06N, 0.05, 68.17W, 0.02, h21km, 5km, n57, s141/90, 16C-1D, Mona Passage

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Punta Cana, DR, Isla Saona, Isla Desecho, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Includes stations like BANI, HUMP, SDDR, SDRR, JDRD, GRTK, etc.

VIE 14 13:54:51.8, 0.3, 50.31N, 18.99E, h0km, mb2.4/2, m2.5/4, m2.3/4. Error ellipse: s-maj=3.6km s-min=1.9km az=0.0 7 km N of Katowice Suspected Mining induced.

PRU 14 13:54:52.8, 0.5, 20.1N, 18.99E, h0km IPEX 14 13:54:52.6, 0.1, 50.18N, 19.02E, h1km, ML2.5/6, Error ellipse: s-maj=1.7km s-min=0.8km az=1.0

ISC 14 13:54:52.7, 0.8, 50.16N, 19.00E, 0.02, h0km, n27, 0.091/50, 1C-3D, Poland

Main table for station data with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Includes stations like OJC, OKC, MORC, ANAC, etc.

MEX 14 14:03:24.7, 0.5, 31.46N, 115.33W, h1km, 100km, MD3.0, Presumed earthquake, Baja California

Table for MEX earthquake stations with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Includes stations like ECBX, SFX, SOX, etc.

ECX 14 14:03:42.6, 0.4, 32.17N, 116.43W, h6km, 3km, MD1.5, ML1.7, 3C-1D, California border region

Table for ECX earthquake stations with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Includes stations like TJIG, TKX, RMX, etc.

Table for 2020 OCT stations with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Includes stations like BAR, IKP, ALAMX, etc.

JMA 14 14:34:02.8, 0.1, 24.31N, 0.3, 121.7E, 0.4, h58km, MV2.8/13, TAIWAN REGION TAP 14 14:34:03.5, 24.30N, 121.74E, h54km, ML3.5, B ISC 14 14:34:03.7, 1.2, 24.31N, 0.02, 121.77E, 0.02, h55km, 4km,

Main table for 2020 OCT stations with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Includes stations like EHP, EHA, ENA, etc.

Main table for 14d 14h stations with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Includes stations like HSN1, HSN2, etc.

Table with columns: Code, Station Name, A° AZ', Phase ID, Time Res, ISC, h m s, Res. Includes stations like TSKC Chigu Township, MASBT Mashbuluo, MASBT Pingtung City, etc.

NOU 14 14:44:00.9,20:33S:147:91E,h0km,MLV4.2/11, Queensland, Australia
AUST 14 14:44:01.0,0:7,20 S:3\*14 8'E,h7km,6km,mb3.9/4, ML3.7/13, Error ellipse: s-maj=9.2km s-min=4.1km az=53.6, confirmed

Table with columns: Code, Station Name, A° AZ', Phase ID, Time Res, ISC, h m s, Res. Includes stations like TV2S Townsville Sof, TVH1 Townsville Har, TVH2 Townsville Har, etc.

TAP 14 14:52:36.7,24:73N:122:79E,h22km,ML3.6,D
JMA 14 14:52:37.0,0.1,24:7N:0:9:122:8E:0.5,h20km,1km, MV2.6/14, NW OFF ISHIGAKIJIMA IS

Table with columns: Code, Station Name, A° AZ', Phase ID, Time Res, ISC, h m s, Res. Includes stations like JYNG Yonagunijimaku, YOJ Yonaguni jima, YOS2 Yonaguni jima, etc.

Main table with columns: Code, Station Name, A° AZ', Phase ID, Time Res, ISC, h m s, Res. Includes stations like ENA Neicheng, TWE TWE, EAHA Aohua, etc.

Table with columns: Code, Station Name, A° AZ', Phase ID, Time Res, ISC, h m s, Res. Includes stations like TWK Nanshi, CHN1 Nanshi, CHN2 Nanshi, etc.

SKHL 14 15:04:0.2,0.6,47:40N:145:90E,h512km,7km,mb4.4/6, msh4.9/4
IDC 14 15:04:05.9,1.4,47:83N:145:10E,h467km,18km, mb2.8/12, mbtmp3.7/16, Error ellipse: s-maj=16.6km s-min=14.4km az=151.0

Table with columns: Code, Station Name, A° AZ', Phase ID, Time Res, ISC, h m s, Res. Includes stations like YSS Uzhno-Sakhal, YSS 40nm,0.6s, YSS 30nm,0.7s, etc.

IDC 14 15:09:05.3,2.5,10:25S:66:62E,h0km,mb3.7/7, mbtmp3.7/7, MS3.0/2, Error ellipse: s-maj=78.6km s-min=28.3km az=60.0



Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like PALK, MATP, CMAR, etc.

IDC 14 15:09:58.6; 1.9; 35; 33N; 25; 74E, h0km, mb3.7/5, mbmp3.6/8, ML3.4/3, Error ellipse: s-maj=39.2km s-min=17.7km az=17.0

AFAD 14 15:10:02.7; 35; 67N; 26; 32E, h4km, 2km, MW3.4 ISK 14 15:10:04.9; 35; 66N; 26; 24E, h8km, ML3.4/7.5

ATH 14 15:10:05.6; 35; 65N; 26; 28E, h11km, 1km, ML3.5/2.5, Latitude uncertainty: 0 km; Longitude uncertainty: 0 km

THE 14 15:10:06.0; 36; N; 5; 2; 6E, h11km, 1km, M3.5/8, ML3.5/8

Main table for 723 page, listing station codes, names, and coordinates. Includes stations like SITA, ZKR, AGNA, etc.

Main table for 2020 OCT page, listing station codes, names, and coordinates. Includes stations like GCAM, YER, KNDR, etc.

Main table for 14d 15h page, listing station codes, names, and coordinates. Includes stations like EFI, TRIS, MG02, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like LPAZ, CLDB, NNA, OPO, ATAH, BOAV, DBIC, OTAV, MBAR, TORD, ASAR, ASAR, PDAR, ULM, NVAR, FINES, ABKAR, PZH, ARCES, ZALV, ZALV, NJ2, HNS, HHC, H31M, SON1M, SON2M, E28M, ILAR.

IDC 14 15:28:35.1±0.4, 10°38'S:66°33'E, h0km, mb4.2/24, mbmp4.2/24, MS4.1/66, Error ellipse: s-maj=16.1km s-min=13.4km az=70.0
MOS 14 15:28:35.1±0.9, 10°30'S:66°28'E, h9km, mb5.0/43, Error ellipse: s-maj=11.1km s-min=5.6km az=88.3
NEIC 14 15:28:35.4, 10°16'S:66°29'E, h12km, Moment Tensor Solution. Duration: 1s6 Moment tensor: Scale 10^16Nm; Mn=3.69; Mw=2.19; Mv=1.50; Mw=3.0; Mv=1.96; Mw=0.98; Fault plane solution: M3.900000±10^16 NP1; P2; P3; P4; P5; P6; P7; P8; P9; P10; P11; P12; P13; P14; P15; P16; P17; P18; P19; P20; P21; P22; P23; P24; P25; P26; P27; P28; P29; P30; P31; P32; P33; P34; P35; P36; P37; P38; P39; P40; P41; P42; P43; P44; P45; P46; P47; P48; P49; P50; P51; P52; P53; P54; P55; P56; P57; P58; P59; P60; P61; P62; P63; P64; P65; P66; P67; P68; P69; P70; P71; P72; P73; P74; P75; P76; P77; P78; P79; P80; P81; P82; P83; P84; P85; P86; P87; P88; P89; P90; P91; P92; P93; P94; P95; P96; P97; P98; P99; P100; P101; P102; P103; P104; P105; P106; P107; P108; P109; P110; P111; P112; P113; P114; P115; P116; P117; P118; P119; P120; P121; P122; P123; P124; P125; P126; P127; P128; P129; P130; P131; P132; P133; P134; P135; P136; P137; P138; P139; P140; P141; P142; P143; P144; P145; P146; P147; P148; P149; P150; P151; P152; P153; P154; P155; P156; P157; P158; P159; P160; P161; P162; P163; P164; P165; P166; P167; P168; P169; P170; P171; P172; P173; P174; P175; P176; P177; P178; P179; P180; P181; P182; P183; P184; P185; P186; P187; P188; P189; P190; P191; P192; P193; P194; P195; P196; P197; P198; P199; P200; P201; P202; P203; P204; P205; P206; P207; P208; P209; P210; P211; P212; P213; P214; P215; P216; P217; P218; P219; P220; P221; P222; P223; P224; P225; P226; P227; P228; P229; P230; P231; P232; P233; P234; P235; P236; P237; P238; P239; P240; P241; P242; P243; P244; P245; P246; P247; P248; P249; P250; P251; P252; P253; P254; P255; P256; P257; P258; P259; P260; P261; P262; P263; P264; P265; P266; P267; P268; P269; P270; P271; P272; P273; P274; P275; P276; P277; P278; P279; P280; P281; P282; P283; P284; P285; P286; P287; P288; P289; P290; P291; P292; P293; P294; P295; P296; P297; P298; P299; P300; P301; P302; P303; P304; P305; P306; P307; P308; P309; P310; P311; P312; P313; P314; P315; P316; P317; P318; P319; P320; P321; P322; P323; P324; P325; P326; P327; P328; P329; 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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like Alice Springs, Nanjing, Warramunga Arr, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MI30, TLY, OBN, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KSRS, GEC2, GERES, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MJAR, JHJ, KLR, NOA, ARCES, KRVT, YAK, etc.

ATH 14:57:42.7, 35:64N-26:28E, h11km, 2km, ML3.2/10, Latitude uncertainty: 1 km; Longitude uncertainty: 0 km

ISK 14:57:46.0, 35:36N-26:49E, h5km, ML3.2/14, IDIC 14:57:47.4, 35:54N-26:02E, h0km, mb3.8/3, mbmp3.5/5, ML3.1/2, Error ellipse: s-maj=73.4km s-min=29.3km az=43.0

AFAD 14:57:53.9, 35:90N-26:43E, h9km, 3km, ML2.7, ISC 14:57:44.7, 1.3554N, 0.002-26.24E, h19km, 3km, n71, i1567/80, mb3.6/3, Crete

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SIT2, ZKR, AGNA, NEAPOLIS, KARPATHOS, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IMMV, IERA MONI META, TURUNC, etc.

IDC 14:58:03.1, 1.0, 28:93S, 178:15W, h191km, 5km, mb3.3/4, mbmp3.8/4, Error ellipse: s-maj=39.2km s-min=22.3km az=31.0

ISC 14:58:03.4, 1.4, 28:93S, 0:3, 178:1W, 0.2, h200km, n10, i09012, mb3.5/4, Kermadec Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RAO, STKA, ASAR, WRA, GQSA, TROLL, etc.

NEIC 14:16:33:59.9, 2.1, 53:39N, 0:06, 163:60W, 0:07, h10km, 1km, mb4.0/27, ML3.8/20, ML3.5(AEIC), Error ellipse: s-maj=10.2km s-min=6.9km az=156.0

IDC 14:16:34:00.2, 1.1, 53:74N, 163:82W, h0km, mb4.2/22, mbmp4.1/25, ML3.6/3, MS3.4/17, Error ellipse: s-maj=28.4km s-min=13.0km az=168.0

AEIC 16:34:00.7, 1.8, 53:33N, 0:03, 163:53W, 0:07, h21km, 2km, Error ellipse: s-maj=5.9km s-min=4.9km az=80.0

ISC 14:16:34:00.7, 2.3, 53:40N, 0:07, 163:53W, 0:04, h17km, 13km, n187, i121/178, mb4.4/30, MS3.5/17, IC, Unimak Island region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WESP, WECS, WEBT, SSHA, SSSLN, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PS1A, S12K, S12K, S12K, etc.

KDAD comp=E, 1.4nm, 0.3s, baz=27, slow=21, SNR=6.1, comp=E, 2.6nm, 0.4s

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Q19K, Q19K, Q19K, etc.

ILAR comp=E, 0.2nm, 0.3s, baz=231, slow=11, SNR=E=4.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like D20K, D20K, D20K, etc.

WHY comp=Z, 8.7nm, 0.8s

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like D24K, D24K, D24K, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PEA0B, PETK, PETK, YKA, etc.

Code Station Name Az AzZ Phase ID Time Res ISC
BRDH Bariadhala 2.20 228 Pn 17 08 26.5 0.0
BRDH 17 08 53.3 -1.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BRDH, CMAR, BRDH, CMAR, etc.

Code Station Name Az AzZ Phase ID Time Res ISC
BRDH Bariadhala 2.20 228 Pn 17 08 26.5 0.0
BRDH 17 08 53.3 -1.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like OMAN, IDC, DSN, TEH, etc.

NOU 14 18:14:18.9, 14 91'S, 167.36'E, h95km, ML4.6/15, Vanuatu Islands, Vanuatu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SANVU, DVP, etc.

Code Station Name Az AzZ Phase ID Time Res ISC
SIT2 Siteia 0.44 198 P Op 18 26 02.2 -0.1
SIT2 18 26 04.4 +0.1

Table with columns: Station Name, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Neapolis, Karpathos, Ancient Thera, Santorini-Mono, etc.

IDC 14 18:35:08.0±0.7, 16:09Sx174:60W, h0km, mb4.1/10, mbtmp4.1/11, ML3.7/1, Error ellipse: s-maj=34.3km

NEIC 14 18:35:10.8±1.9, 16:2S:0.1x174:80W:0.07, h10km, 1km, mb4.5/22, Error ellipse: s-maj=22.1km s-min=3.7km

ISC 14 18:35:10.4±0.6, 16:2S:0.1x174:80W:0.1, h10km, n53, c1508/36, mb4.3/16, Tonga Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Afiamalu, Niue, Niue Niue, etc.

Table with columns: Station Name, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Vanda, QSPA, QSPA, etc.

IDC 14 18:37:22.0±0.5, 15:18Sx174:71W, h0km, mb4.3/13, mbtmp4.3/15, ML3.9/2, MS4.5/31, Error ellipse: s-maj=29.1km s-min=12.8km az=140.0

NEIC 14 18:37:25.4±1.5, 15:8S:0.1x174:80W:0.08, h10km, 1km, mb4.8/99, Error ellipse: s-maj=18.3km s-min=11.8km az=195.0

GCMT 14 18:37:28.4±0.1, 15:73S:0.01x174:61W:0.01, h12km, MW5.1/138, Moment Tensor Solution. s81,c119; s138,c226; Duration: 0 Moment tensor: Scale 10^16Nm; Mn=1.10z; Mxx=4.54z; Mxy=5.64z; Mzz=3.35z; 25z; Mxz=2.74z; 08; Myz=3.00z; Best double couple: Mxx=0.5700z; 1016; Myy=3.0000z; 0.8730000z; 1.79.0000z; NP2=26.310000z; 389.0000z; 1.17.00000z; Principal axes: T 6.230z, P1g3.0000z, Azm57.0000z; N -1.3320z, P1g7.0000z, Azm34.0000z; P -5.3910z, P1g11.0000z, Azm164.0000z; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISC 14 18:37:24.9±0.4, 15:86S:0.09x174:83W:0.07, h10km, n172, c1529/110, mb4.8/55, MS4.5/27, Tonga Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Futu, Afiamalu, Afiamalu, etc.

Table with columns: Station Name, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H11N1, H11N2, STKA, etc.





Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like ARHZ Aropoanui, MTHZ Mountanganiwha, etc.

14d 19h: 19:19.1±0.5, 5.95S; 76.73W, h0km, mb4, 1/14, mbmp4, 1/20, ML3, 3/6, MS3, 8/3, Error ellipse: s-maj=17.5km s-min=10.2km az=80.0

RSNC 14 19:19:20.3, 0.3, 6.2S; 77.1W, h0km, M4, 6, mb4, 7, mb5.2, mb6.7, Mjma4.6, ML3.9, ML5.1, MLH4.6, MLV4.9, Ms(BB)4.2, Mw(mb)4.6

NEIC 14 19:19:21.7±0.2, 5.95S; 0.05°W; 74W; 0.05, h11km, 4km, mb4.6/89, Error ellipse: s-maj=9.0km s-min=3.9km az=131.0

VAO 14 19:19:29.0±1.9, 5.27S; 75.51W, h24km±15km, mb4.4, Presumed earthquake

ISC 14 19:19:20.7±0.4, 5.92S; 0.04°W; 76.63W; 0.05, h10km, n135, e135/107, mb4.6/49, Northern Peru

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like ATAH Ahatuapala, ATAH Ahatuapala, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like GARC Garzor, GARC Garzor, POPC Popayan, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like M29M Somme Creek, L29M L29M, etc.

IDC 14 19:20:02.7±3.1, 29.77S; 178.28W, h0km, mb3.5/3, mbmp3.5/3, Error ellipse: s-maj=89.9km s-min=56.8km az=40.0, Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like ASAR Alice Springs, GRIN Warramunga, etc.

SNET 14 19:41:28.3±1.6, 12.54N; 87.71W, h74km, ML3.2, Presumed earthquake

CATAC 14 19:41:28.9±0.3, 12°N; 3°8'W, h38km, 5km, M3.6/25, MLV3.6/25, Error ellipse: s-maj=6.0km s-min=2.8km az=29.7, confirmed

ISC 19 41:28.5±1.6, 12.45N; 0.07°W; 87.74W; 0.04, h68km±13km, n33, -056/31, 3C-14D, Near coast of Nicaragua

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like CSGN Cosiguina Volc, CRIN San Cristobal, etc.

AEIC 14 19:50:12.6±1.4, 66.21N; 0.02°W; 163.95W; 0.02, h6km±5km, Error ellipse: s-maj=3.1km s-min=1.4km az=175.0

**mb\_Lg3.3/43,ML3.8/72,Mwr3.6/18,ML3.6(AE)C\_Error ellipse: s-maj=4.2km s-min=3.0km az=146.0 Moment Tensor Solution. Moment tensor: Scale 10<sup>14</sup>Nm; M<sub>rr</sub>:0.25; M<sub>θθ</sub>:2.49; M<sub>φφ</sub>:2.74; M<sub>rrθ</sub>:0.42; M<sub>rrφ</sub>:1.92; M<sub>θrφ</sub>:0.66; M<sub>φrθ</sub>:0.66; Fault plane solution: M<sub>0</sub>:3.350000×10<sup>14</sup> N1:  $\phi_1$ :62.90000°,  $\delta_1$ :76.21000°,  $\lambda_1$ :177.30000°. NP2:  $\phi_2$ :153.54000°,  $\delta_2$ :87.37000°,  $\lambda_2$ :13.81000°. Principal axes: T 3.2433, P<sub>1</sub> 2.0000, A<sub>1</sub> 2.0000; P 0.1951, P<sub>2</sub> 7.0000, A<sub>2</sub> 164.0000; P -3.4384, P<sub>3</sub> 8.0000, A<sub>3</sub> 287.0000°; Northern Alaska**

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
				Op	h m s	ISC
F15K	North Star Dit	0.56	212	Pg	19 50 24.1	0.0
F15K	North Star Dit	0.56	212	Pg	19 50 31.5	0.0
G16K	Koyuk River	1.02	140	Pb	19 50 32.5	-0.1
G16K	Koyuk River	1.02	140	Sg	19 50 45.5	-0.5
F17K	Baldwin Pennin	1.12	75	Pb	19 50 33.7	-0.6
F17K	Baldwin Pennin	1.12	75	Sn	19 50 49.9	+0.3
F17K	Baldwin Pennin	1.12	75	IAMB_Lg	19 50 50.3	
F17K	comp=Z,266nm,0.8s			IAML	19 50 51.6	
F17K	comp=N,2μm,0.6s			IAML	19 50 51.7	
G15K	Niukluk	1.19	182	Pn	19 50 35.3	-0.1
G15K	Niukluk	1.19	182	Pn	19 50 51.4	-0.2
F14K	Arctic Creek	1.21	235	Sb	19 50 51.5	0.0
F14K	Arctic Creek	1.21	235	Sb	19 50 51.5	0.0
F14K	Arctic Creek	1.21	235	Sb	19 50 51.7	-0.4
E17K	Hoatham Inlet	1.24	42	Sg	19 50 35.5	-0.6
E17K	Hoatham Inlet	1.24	42	Sg	19 50 53.1	0.0
G17K	Koavik Mouta	1.51	115	Pn	19 50 45.4	+0.1
G17K	Koavik Mouta	1.51	115	Sg	19 50 01.4	-0.4
D17K	Nwataik River	1.56	12	Pn	19 50 40.2	-0.4
H16K	Elim	1.70	155	Pn	19 50 42.6	+0.1
H16K	Elim	1.70	155	Pn	19 50 07.3	-0.5
ANM	Nome	1.73	201	Pn	19 50 43.0	+0.1
ANM	Nome	1.73	201	Pb	19 50 45.4	-0.6
ANM	Nome	1.73	201	Sg	19 51 07.9	-0.9
ANM	Nome	1.73	201	IAMB_Lg	19 51 10.3	
ANM	comp=Z,357nm,0.8s			IAML	19 51 12.1	
ANM	comp=E,712nm,0.5s			IAML	19 51 18.2	
ANM	comp=N,525nm,0.5s			IAML	19 51 18.2	
TNA	Tin City	1.75	251	Sg	19 51 08.5	-1.0
TNA	Tin City	1.75	251	Pg	19 50 46.6	-0.2
TNA	Tin City	1.75	251	Pb	19 51 08.5	-0.2
TNA	Tin City	1.75	251	IAMB_Lg	19 51 11.9	
TNA	comp=Z,332nm,0.7s			IAML	19 51 12.5	
TNA	comp=N,2μm,0.4s			IAML	19 51 14.1	
RDOG	Red Dog Mine	1.93	12	Pn	19 50 45.9	+0.3
H17K	Granite Mouta	2.08	125	IAMB_Lg	19 50 48.2	+0.4
H17K	Granite Mouta	2.08	125	IAMB_Lg	19 51 19.6	
H17K	comp=Z,217nm,0.8s			IAML	19 51 23.1	
H17K	comp=N,639nm,0.7s			IAML	19 51 24.6	
H17K	comp=E,678nm,0.7s			IAML	19 51 24.6	
G18K	Tagagawik	2.17	95	Pn	19 50 48.9	-0.1
G18K	Tagagawik	2.17	95	Sb	19 51 19.5	+0.3
C16K	Lisburne Hills	2.18	346	Pn	19 50 49.5	+0.5
C16K	Lisburne Hills	2.18	346	Pn	19 50 49.6	+0.6
C16K	Lisburne Hills	2.18	346	Sn	19 51 16.1	+0.3
H18K	Honhosa River	2.53	111	Pb	19 50 53.8	0.0
H18K	Honhosa River	2.53	111	Pb	19 50 57.6	-0.7
H18K	Honhosa River	2.53	111	IAML	19 51 35.7	
H18K	comp=E,352nm,0.7s			IAML	19 51 37.7	
H18K	comp=N,515nm,0.8s			IAML	19 51 37.7	
H18K	comp=Z,231nm,0.9s			IAMB_Lg	19 51 38.1	
F19K	Shaluerick Mo	2.56	72	Pn	19 50 53.2	-1.0
F19K	Shaluerick Mo	2.56	72	IAML	19 51 38.8	
I17K	Unalakleet	2.68	148	IAMB_Lg	19 50 56.0	+0.1
I17K	Unalakleet	2.68	148	IAMB_Lg	19 51 44.1	
I17K	Unalakleet	2.68	148	IAMB_Lg	19 51 44.2	
I17K	Unalakleet	2.68	148	IAMB_Lg	19 51 44.2	
G19K	Purcell Mouta	2.78	88	Pn	19 50 57.0	-0.3
E19K	Redstone River	2.95	61	Pn	19 50 59.5	-0.1
E19K	Redstone River	2.95	61	IAMB_Lg	19 51 51.1	
E19K	Redstone River	2.95	61	IAMB_Lg	19 51 51.1	
E19K	Redstone River	2.95	61	IAMB_Lg	19 51 54.7	
E19K	Redstone River	2.95	61	IAMB_Lg	19 51 54.8	
H19K	Roundabout Mo	3.15	99	IAML	19 51 53.2	
H19K	Roundabout Mo	3.15	99	IAML	19 51 53.2	
H19K	Roundabout Mo	3.15	99	IAML	19 51 53.2	
H19K	Roundabout Mo	3.15	99	IAMB_Lg	19 51 58.3	
H19K	Roundabout Mo	3.15	99	IAMB_Lg	19 51 58.3	
J16K	Anvik River	3.24	152	Pn	19 51 04.0	+0.4
D19K	Kuna River	3.24	41	Pn	19 51 04.2	+0.6
D19K	Kuna River	3.24	41	IAML	19 52 13.0	
B18K	Kokolik River	3.30	13	Pn	19 51 05.2	+0.7
F20K	Avaraat Lake	3.39	71	Pn	19 51 05.1	+0.1
F20K	Avaraat Lake	3.39	71	IAML	19 52 06.5	
F20K	Avaraat Lake	3.39	71	IAMB_Lg	19 52 06.5	
F20K	Avaraat Lake	3.39	71	IAMB_Lg	19 52 06.5	
F20K	Avaraat Lake	3.39	71	IAMB_Lg	19 52 07.7	
J14K	Nanvaranak Lak	3.45	177	Pn	19 51 06.6	+0.2
J14K	Nanvaranak Lak	3.45	177	IAMB_Lg	19 52 02.0	
J14K	Nanvaranak Lak	3.45	177	IAMB_Lg	19 52 02.0	
J14K	Nanvaranak Lak	3.45	177	IAMB_Lg	19 52 06.9	
J17K	VABM Dome	3.48	141	Pn	19 51 07.9	+1.0
D20K	Nigu River	3.67	52	Pn	19 51 10.5	+1.0
H20K	Anotlenesga Mo	3.76	96	Pn	19 51 11.3	+0.2
D20K	Etiyuk River	3.80	45	Pn	19 51 12.2	+0.9
D20K	Etiyuk River	3.80	45	IAMB_Lg	19 52 20.8	
K15K	Wolf Creek Mou	4.04	164	Pn	19 51 15.3	+0.7
K15K	Wolf Creek Mou	4.04	164	IAMB_Lg	19 52 31.2	
K15K	Wolf Creek Mou	4.04	164	IAMB_Lg	19 52 31.2	
K15K	Wolf Creek Mou	4.04	164	IAMB_Lg	19 52 35.4	
GAMB	Gambell	4.09	237	IAMB_Lg	19 52 27.8	
J18K	Innoko River	4.11	128	Pn	19 51 16.3	+0.6
J18K	Innoko River	4.11	128	IAMB_Lg	19 52 26.9	
J18K	Innoko River	4.11	128	IAMB_Lg	19 52 27.2	
J18K	Innoko River	4.11	128	IAMB_Lg	19 52 27.3	
J19K	Poorman	4.14	118	Pn	19 51 16.4	+0.4
J19K	Poorman	4.14	118	IAML	19 52 23.0	
J19K	Poorman	4.14	118	IAMB_Lg	19 52 31.5	
J19K	Poorman	4.14	118	IAMB_Lg	19 52 31.5	
IM05	Indian Moutai	4.16	88	Pn	19 51 16.3	0.0
I20K	Naagdeneel	4.18	105	Pn	19 51 17.5	+1.1
A19K	Wainwright	4.18	13	Pn	19 51 18.1	+1.6
G21K	Allakaket	4.22	81	Pn	19 51 16.7	-0.4
G21K	Allakaket	4.22	81	IAML	19 52 34.5	
G21K	Allakaket	4.22	81	IAML	19 52 37.2	
K17K	Iditarod	4.25	142	Pn	19 51 18.2	+0.8
K13K	Kusilvak Mount	4.27	185	Pn	19 51 17.7	-0.1
K13K	Kusilvak Mount	4.27	185	IAML	19 52 29.4	
K13K	Kusilvak Mount	4.27	185	IAMB_Lg	19 52 33.0	
F21K	Alatna River	4.28	71	Pn	19 51 18.1	+0.2
F21K	Alatna River	4.28	71	IAML	19 52 46.3	
J20K	Nowinta River	4.59	111	Pn	19 51 23.3	+1.2
J20K	Nowinta River	4.59	111	IAML	19 52 47.3	
H21K	Melozitna Rive	4.59	91	Pn	19 51 22.9	+0.8
C21K	Knifblade Rid	4.59	45	Pn	19 51 23.5	+1.3

B20K	Meade River	4.61	30	Pn	19 51 23.2	+0.9
L17K	Donlin	4.75	146	Pn	19 51 25.8	+1.4
F22K	John River	4.83	69	Pn	19 51 26.4	+0.9
L14K	Kuka Creek	4.89	173	Pn	19 51 27.0	+0.8
L14K	Kuka Creek	4.89	173	IAMB_Lg	19 52 55.2	
I21K	Tanana	5.04	96	Pn	19 51 29.3	+0.9
I21K	Tanana	5.04	96	IAML	19 53 06.6	
I21K	comp=N,48nm,0.9s			IAML	19 53 11.4	
I21K	comp=E,57nm,0.9s			IAML	19 53 11.4	
L18K	Granite Mouta	5.08	138	Pn	19 51 30.4	+1.6
L18K	Granite Mouta	5.08	138	IAMB_Lg	19 53 04.5	
L18K	comp=Z,50nm,1.0s			IAML	19 53 04.6	
L18K	comp=E,50nm,0.9s			IAML	19 53 04.6	
L18K	comp=N,58nm,1.2s			IAML	19 53 04.8	
K20K	Telida	5.08	119	Pn	19 51 30.2	+1.3
K20K	Telida	5.08	119	IAML	19 52 58.3	
K20K	comp=N,38nm,0.7s			IAMB_Lg	19 53 05.2	
D22K	Aiykyak River	5.09	53	Pn	19 51 30.5	+1.4
D22K	Aiykyak River	5.09	53	IAML	19 53 05.6	
D22K	comp=N,52nm,0.7s			IAML	19 53 12.3	
D22K	comp=E,72nm,0.9s			IAML	19 53 12.3	
H22K	Ishtalina Cre	5.13	87	IAML	19 52 57.9	
H22K	Ishtalina Cre	5.13	87	IAML	19 52 57.9	
COLD	Coldfoot	5.55	73	Pn	19 51 35.4	+0.1
MLY	Manley	5.55	96	Pn	19 51 36.2	+0.3
E17K	Holtina River	5.59	146	Pn	19 51 36.9	+0.9
M16K	Timber Creek	5.63	155	Pn	19 51 37.8	+1.4
M16K	Timber Creek	5.63	155	IAMB_Lg	19 53 21.5	
L19K	White Mountain	5.64	131	Pn	19 51 37.9	+1.3
L19K	White Mountain	5.64	131	IAMB_Lg	19 53 24.8	
L19K	comp=Z,36nm,1.2s			IAMB_Lg	19 53 24.8	
M15K	Kasigluk River	5.69	164	Pn	19 51 38.0	+0.7
B22K	Teshchepuk Lake	5.71	38	Pn	19 51 38.0	+0.5
D23K	Nanushuk River	5.79	55	Pn	19 51 39.7	+1.1
M13K	Dall Lake	5.79	177	Pn	19 51 39.9	+1.3
M13K	Dall Lake	5.79	177	IAMB_Lg	19 53 31.9	
A21K	Barrow	5.81	24	Pn	19 51 39.2	+0.4
BPWA	Bear Paw Mtn.	5.84	105	Pn	19 51 40.1	+0.7
A22K	Sinclair Lake	5.85	30	Pn	19 51 39.5	+0.2
H23K	Yukon River	5.88	87	Pn	19 51 40.5	+0.6
E23K	Chandalar	5.89	65	Pn	19 51 41.4	+1.2
M18K	Stony River	5.91	139	Pn	19 51 42.2	+1.9
PPLA	Purkeypile	6.04	118	Pn	19 51 43.7	+1.5
TOLK	Took Lake Re	6.06	59	Pn	19 51 43.8	+1.4
KTH	Kantishna Hill	6.13	109	Pn	19 51 44.7	+1.3
M16K	Nishik Lake	6.18	156	Pn	19 51 44.8	+1.6
C23K	Iklikil River	6.20	48	Pn	19 51 44.9	+0.7
N14K	Kuskokwak Cree	6.36	170	Pn	19 51 47.0	+0.6
M20K	Styx River	6.41	127	Pn	19 51 48.8	+1.6
NEA2	Nenana	6.41	98	Pn	19 51 48.0	+0.9
N17K	Nushagak Hills	6.43	149	Pn	19 51 49.0	+1.5
N17K	Nushagak Hills	6.43	149	IAMB_Lg	19 53 44.4	
TRF	Thorofare Moun	6.43	109	Pn	19 51 48.7	+1.1
F24K	Squaw Lake	6.47	71	Pn	19 51 48.5	+0.6
H24K	Noodor Dome	6.56	86	Pn	19 51 49.7	+0.6
MDM	Murphy Dome	6.63	89	Pn	19 51 50.9	+0.7
C24K	Franklin Bluff	6.74	51	Pn	19 51 52.1	+0.6
MCK	Mackinley	6.82	104	Pn	19 51 53.8	+1.0
N19K	Bonanza Creek	6.84	137	Pn	19 51 55.0	+1.8
SPNN	North Nagishla	6.93	129	Pn	19 51 56.3	+1.9
RND	Reindeer	7.01	106	Pn	19 51 57.1	+1.7
O14K	Tigayukohet M	7.06	169	Pn	19 51 58.1	+1.4
STLK						



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like COLD Coldfoot, RND Reindeer, PWL Port Wells, etc.

IDC 14 20:44:13.7z 1.4, 6.59N, 123.63E, h627km, 18km, mb3.1/8, m4.1/21, Error ellipse: s-maj=16.7km s-min=14.5km az=211.0

NEIC 14 20:44:13.3z 1.2, 6.7N, 123.5E, 0.1, h610km, 9km, mb4.1/21, Error ellipse: s-maj=16.7km s-min=14.5km az=211.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KCP Kidapawan, KKM Kota Kinabalu, LUWI Luwuk, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like 152A Waverly Hall, 451A Vernon.

IDC 14 20:44:48.3z 14.0, 8.74S, 158.97E, h159km, 127km, mb3.4/9, mbmp3.9/10, ML4.7/1, Error ellipse: s-maj=59.0km s-min=22.1km az=83.0

ISC 14 20:44:47.6z 0.7, 8.85S, 158.94E, 0.09, h150km, n15, 0.06E, 15, mb3.5/9, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TATA Tataba Isabel, SAVO Savo Central, HNR Honiara, etc.

UCR 14 20:51:12.9z 0.6, 7.92N, 83.01W, h11km, 3km, MW3.8, Presumed earthquake

UPA 14 20:51:13.6z 0.8, 8.00N, 82.94W, h10km, 1km, MW3.8, Presumed earthquake

CATAC 14 20:51:15.7z 0.7, 8.4N, 83.3W, h6km, 2km, M3.8/13, MLV3.8/13, Error ellipse: s-maj=8.6km s-min=4.7km az=21.0, confirmed

ISC 14 20:51:11.0z 1.6, 7.90N, 0.05, 83.02W, 0.03, h5km, 10km, n91, 0.09E, 123, 1C-6D, Off coast of Costa Rica

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like LIMO3 Limones, LMN03 Limones, PTPA Petro Terminal, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TRB2 Turrubares, ATEO Atenas, TCS1 Tacares, etc.

IDC 14 21:09:39.8z 2.3, 4.24S, 128.54E, h0km, mb3.4/1, mbmp3.1/3, ML2.6/2, Error ellipse: s-maj=158.6km s-min=28.2km az=67.0

DJA 14 21:09:40.6z 0.3, 4.54S, 133.0E, h10km, M3.1/8, MLV3.1/8, ISC 14 21:09:41.6z 1.1, 4.07S, 0.07, 129.73E, 0.07, h35km, n8, 0.27N, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BNDI Bandanaira, NLAI Namlea, NLAI Namlea, etc.

ASAR Alice Springs 19.89 169 P Pn 21 14 12.9 +0.9

ASAR Makanchi Array 65.65 326 AML AML P 21 20 22.8 +0.4

NCEDC 14 21:42:41.2z 1.3, 36.03N, 0.02, 121.56W, 0.03, h9km, 8km, Error ellipse: s-maj=3.8km s-min=1.5km az=48.0

NEIC 14 21:42:40.7z 1.1, 36.01N, 0.02, 121.56W, 0.04, h10km, 2km, ML3.2/96, ML3.5/93(NECD), Error ellipse: s-maj=5.7km s-min=3.1km az=54.0, Central California

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BAPM Anderson Peak, HULI Fort Hunter Lt, HULI Fort Hunter Lt, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, etc. Includes stations like MTOS, CARC, WENL, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, etc. Includes stations like IDI, IACM, GVD, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, etc. Includes stations like RTHF, DAT, APE, etc.

THE 14 21:54:56.0, 35°N, 5°2'55"E, h26km, 2km, ML2, 9/9, MLh2, 9/9
ATH 14 21:54:55.8, 34°8'N, 24°74'E, h24km, 1km, ML2, 9/10,
Latitude uncertainty: 1 km; Longitude uncertainty: 0 km
ISC 14 21:54:56.0, 1.1, 34°89'N, 0°05.2475E, 0.03, h28km, 7km, n25, c0552/40, Crete



KTMT	Salihli	3.39 25	P	Pn	22 23 43.1 +0.8
MANT	Znir	3.40 32	P	Pn	22 23 44.2 +1.6
ZEDA	Amir-Bergama	3.41 10	P	Pn	22 23 42.0 -0.5
KULA	Kula, Euboea I	3.46 33	P	Pn	22 23 44.6 +1.2
KYMI	Kymi, Euboea I	3.48 331	P	Pn	22 23 44.3 +0.7
KYMI	Kymi, Euboea I	3.48 331	P	Pn	22 23 44.5 +1.0
DKL	Dikili	3.49 8	Pn	Pn	22 23 44.1 +0.5
VILL	Villia	3.49 318	P	AML	22 23 45.0 +1.3
VILL	Villia	3.49 318	P	AML	22 23 45.0 +1.3
KORT	Korkueli	3.56 66	P	AML	22 23 46.9 +2.1
LTK	Loutraki	3.59 313	P	Pn	22 23 47.0 +2.0
VLX	Vlachokerasia	3.60 300	P	AML	22 23 47.1 +1.8
GORD	Gordes-Manisa	3.62 24	Pn	Pn	22 23 46.9 +1.4
GORD	Gordes-Manisa	3.62 24	Pn	Pn	22 23 46.9 +1.4
PRK	Paraskevi	3.63 360	P	Pn	22 23 45.5 0.0
PRK	Paraskevi	3.63 360	P	Pn	22 23 45.5 0.0
ANTB	Antalya	3.76 69	Pn	AML	22 23 49.7 +2.4
ANTB	Antalya	3.76 69	Pn	AML	22 23 49.7 +2.4
BASM	Basmakli-Afyon	3.80 52	Pn	Pn	22 23 49.8 +1.8
ITM	Ithomi	3.85 295	P	Pn	22 23 50.9 +2.3
ITM	Ithomi	3.85 295	P	Pn	22 23 52.8 +4.2
PYL	PYLLOS	3.89 291	P	Pn	22 23 51.0 +1.9
PYL	PYLLOS	3.89 291	P	Pn	22 23 51.0 +1.9
GUR	Goura	3.92 307	AML	AML	22 23 51.7 +2.0
GUR	Goura	3.92 307	AML	AML	22 23 51.7 +2.0
LKR	Lokris	4.01 320	P	Pn	22 23 52.1 +1.3
ISP	Isparta	4.06 56	Pn	Pn	22 23 52.5 +1.0
ISP	Isparta	4.06 56	Pn	Pn	22 23 52.5 +1.0
EZN	Ezine	4.21 6	Pn	Pn	22 23 53.5 +0.1
EZN	Ezine	4.21 6	Pn	Pn	22 23 53.5 +0.1
BALB	Balkesir	4.21 17	Pn	Pn	22 23 56.0 +2.4
BALY	Balya	4.25 14	P	Pn	22 23 55.1 +0.9
XOR	Xorichti	4.48 328	P	Pb	22 24 03.2 -5.2
KEPZ	Antalya-Kepez	4.49 72	P	Pn	22 23 59.5 +2.1
ACG	Agios Georgios	4.64 318	P	Pn	22 24 04.4 +5.0
BAND	Balkesir-Ban	4.95 16	P	Pn	22 24 04.7 +1.1
ALN	Alexandroupoli	5.28 358	P	Pn	22 24 08.9 +0.7
ALN	Alexandroupoli	5.28 358	P	Pn	22 24 08.9 +0.7
BORA	Eskisehir	5.39 37	Pn	Pn	22 24 11.8 +1.9
LIT	Litokhoron	5.39 327	P	Pn	22 24 11.3 +1.5
LIT	Litokhoron	5.39 327	P	Pn	22 24 11.3 +1.5
LIT	Litokhoron	5.39 327	P	Pn	22 24 15.0 +5.2
SOH	Sokhos	5.69 337	P	Pn	22 24 16.7 +2.8
SOH	Sokhos	5.69 337	P	Pn	22 24 16.7 +2.8
CSS	Mathiatis	5.80 94	Pn	Pn	22 24 15.3 -0.1
CSS	Mathiatis	5.80 94	Pn	Pn	22 24 14.1 -1.3
CSS	Mathiatis	5.80 94	Pn	Pn	22 24 16.1 +0.7
CSS	Mathiatis	5.80 94	Pn	Pn	22 24 16.1 +0.7
CYL	Yalikoy Yolu	6.06 14	Pn	Pn	22 24 19.4 +0.5
CYL	Yalikoy Yolu	6.06 14	Pn	Pn	22 24 19.4 +0.5
KNT	Kendrikon	6.15 335	P	Pn	22 24 25.6 +5.5
KNT	Kendrikon	6.15 335	P	Pn	22 24 25.6 +5.5
GRG	Griva	6.15 331	P	Pn	22 24 26.0 +5.8
GRG	Griva	6.15 331	P	Pn	22 24 26.0 +5.8
MDUB	Mudunji	6.21 37	Pn	Pn	22 24 22.2 +1.1
KKUL	Konya-Kulu	6.36 54	P	Pn	22 24 25.4 +2.2
KKUL	Konya-Kulu	6.36 54	P	Pn	22 24 25.4 +2.2
VAY	Valandovo	6.40 334	P	Pn	22 24 30.8 +7.2
KEK	Kerkira	6.57 310	Pn	Pn	22 24 25.8 -0.2
PEHC	Petroco	6.57 310	Pn	Pn	22 24 30.9 +1.9
CY604	RAF Akrotiri	6.87 98	Pn	Pn	22 24 29.0 -0.8
KIRS	Kirsehir-Merke	7.02 58	P	Pn	22 24 33.7 +1.5
BR105	Keskin Array S	7.11 53	Pn	Pn	22 24 34.0 +0.5
BR105	Keskin Array S	7.11 53	Pn	Pn	22 24 34.0 +0.5
BR106	Keskin Array S	7.12 53	Pn	Pn	22 24 34.0 +0.3
BR106	Keskin Array S	7.12 53	Pn	Pn	22 24 34.0 +0.3
BR104	Keskin Array S	7.12 53	Pn	Pn	22 24 33.8 +0.1
BR104	Keskin Array S	7.12 53	Pn	Pn	22 24 33.8 +0.1
BR104	Keskin Array S	7.13 53	Pn	Pn	22 24 33.8 0.0
BR104	Keskin Array S	7.13 53	Pn	Pn	22 24 33.8 0.0
BR104	Keskin Array S	7.13 53	Pn	Pn	22 24 35.9 +1.7
BR104	Keskin Array S	7.13 53	Pn	Pn	22 24 35.9 +1.7
BR104	Keskin Array S	7.13 53	Pn	Pn	22 25 53.3 -1.2
BR104	Keskin Array S	7.13 53	Pn	Pn	22 25 53.3 -1.2
BRTR	Keskin Array B	7.13 53	Pn	Pn	22 24 35.3 +1.5
BRTR	Keskin Array B	7.13 53	Pn	Pn	22 24 35.3 +1.5
PLVB	Pleven	7.87 351	P	Pn	22 24 45.3 +1.5
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 24 43.7 -1.6
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 24 43.7 -1.6
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 26 08.3 -6.9
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 26 08.3 -6.9
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 24 44.4 -1.6
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 24 46.2 -0.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 24 46.5 -0.5
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 24 46.4 -0.7
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 24 46.0 -1.6
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 24 46.4 -1.4
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 24 47.3 -0.9
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 24 47.7 -0.8
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 24 47.7 -1.4
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 24 48.4 -0.7
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 24 48.9 -0.4
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 24 51.5 +0.8
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 24 51.6 +0.8
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 24 50.6 -0.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 24 51.9 -0.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 24 52.5 +0.5
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 24 55.6 +2.2
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 24 55.5 +0.3
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 24 56.7 -0.7
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 24 57.2 +1.6
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 24 57.9 +2.3
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 24 57.1 +1.2
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 24 57.6 +0.6
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 24 57.4 0.0
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 24 58.8 +1.4
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 24 57.0 -0.4
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 24 59.8 +0.7
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 24 59.7 +0.7
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 24 59.3 +0.3
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 24 58.6 -0.8
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 00.7 +1.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 00.2 +0.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 03.1 +0.7
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 05.1 +0.8
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 05.1 +0.7
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 04.0 -0.9
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 26 44.0 -6.2
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 04.8 -0.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 09.3 +4.5
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 05.4 -0.4
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 26 47.7 -4.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 04.8 -0.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 09.3 +4.5
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 05.4 -0.4
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 26 47.7 -4.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 04.8 -0.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 09.3 +4.5
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 05.4 -0.4
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 26 47.7 -4.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 04.8 -0.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 09.3 +4.5
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 05.4 -0.4
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 26 47.7 -4.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 04.8 -0.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 09.3 +4.5
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 05.4 -0.4
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 26 47.7 -4.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 04.8 -0.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 09.3 +4.5
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 05.4 -0.4
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 26 47.7 -4.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 04.8 -0.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 09.3 +4.5
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 05.4 -0.4
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 26 47.7 -4.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 04.8 -0.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 09.3 +4.5
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 05.4 -0.4
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 26 47.7 -4.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 04.8 -0.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 09.3 +4.5
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 05.4 -0.4
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 26 47.7 -4.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 04.8 -0.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 09.3 +4.5
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 05.4 -0.4
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 26 47.7 -4.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 04.8 -0.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 09.3 +4.5
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 05.4 -0.4
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 26 47.7 -4.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 04.8 -0.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 09.3 +4.5
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 05.4 -0.4
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 26 47.7 -4.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 04.8 -0.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 09.3 +4.5
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 05.4 -0.4
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 26 47.7 -4.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 04.8 -0.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 09.3 +4.5
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 05.4 -0.4
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 26 47.7 -4.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 04.8 -0.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 09.3 +4.5
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 05.4 -0.4
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 26 47.7 -4.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 04.8 -0.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 09.3 +4.5
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 05.4 -0.4
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 26 47.7 -4.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 04.8 -0.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 09.3 +4.5
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 05.4 -0.4
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 26 47.7 -4.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 04.8 -0.1
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 09.3 +4.5
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 25 05.4 -0.4
MMAI	Mount Meron Ar	7.98 106	Pn	Pn	22 26 47.7 -4.1
MMAI	Mount Meron Ar	7.98 106			

14d 23h

Table with columns for station name, frequency, power, and other technical details. Includes stations like WMQ, KNGR, SFJUD, TSUM, SONM, etc.

VAO 14 23:18:09.8,0.4,32.00S:69.44W,h61km,mb4.5, Presumed earthquake
NEIC 14 23:18:26.6,31.73S:68.08W,h111km
GFZ 14 23:18:26.5,0.3,32.2S:68.9W,h97km,5km,M4.7/11, mb4.7/11

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, Residual, etc. Lists various stations and their characteristics.

2020 OCT

Main table listing station names, frequencies, and other technical data. Includes stations like CO01, CO01, CO01, etc.

736

Table listing station names, frequencies, and other technical data. Includes stations like CPUP, CPUP, CPUP, etc.



15d 1h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PFO, NEW, TXAR, etc.

KRSC 15 00:46:3.1.6, 49.30N x 158.07E, h26km, 29km, M14.0, East of Kuril Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SKR, PAU, KDR, etc.

IDC 15 00:52:05.8:1.7, 27.51N:140.11E, h478km, 16km, mb3.5/16, mbtmp4.3/20, Error ellipse: s-maj=19.1km s-min=14.0km az=81.0

JMA 15 00:52:05.7:0.2, 28.1N:141.1E, h475km, MV3.9/31, W OFF OGASAWARA

NEIC 15 00:52:06.0:1.4, 27.58N:140.2E:0.2, h472km, 8km, mb4.0/29, Error ellipse: s-maj=21.2km s-min=11.9km

ISC 15 00:52:05.1:0.7, 27.53N:140.26E:0.09, h472km, 7km, n74, c182/89, mb3.9/23, Bonin Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CBIJ, JHJ, JHCJ, etc.

ISC 15 00:52:58.2:2.2, 10.14S:161.36E, h95km, 19km, mb3.4/6, mbtmp3.8/7, Error ellipse: s-maj=33.9km s-min=21.5km az=45.0

NOU 15 00:53:00.0, 10.44S:161.21E, h28km, MLV4.2/9, Solomon Islands

ISC 15 00:52:58.5:0.1, 10.14S:161.34E:0.06, h100km, n17, c196/19, mb3.6/6, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HURO, HNR, HNGR, etc.

2020 OCT

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BVAR, BORK, D23K, etc.

ISC 15 00:52:58.2:2.2, 10.14S:161.36E, h95km, 19km, mb3.4/6, mbtmp3.8/7, Error ellipse: s-maj=33.9km s-min=21.5km az=45.0

NOU 15 00:53:00.0, 10.44S:161.21E, h28km, MLV4.2/9, Solomon Islands

ISC 15 00:52:58.5:0.1, 10.14S:161.34E:0.06, h100km, n17, c196/19, mb3.6/6, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HURO, HNR, HNGR, etc.

ISC 15 01:05:42.8:1.1, 36.64N:140.75E:0.03, h87km, 8km, mb4.2/11, Error ellipse: s-maj=11.4km s-min=2.3km az=162.0

IDC 15 01:05:45.4:3.5, 36.48N:140.37E, h112km, 24km, mb3.6/7, mbtmp3.9/10, MS3.3/2, Error ellipse: s-maj=45.9km s-min=9.7km az=63.0

NIED 15 01:05:46.6:36.53N:140.38E, h98km, MW3.7, Moment Tensor Solution tensor: Scale 10^14Nt; M1=2.15; M2=1.17; M3=3.32; M4=6.1; M5=2.42; M6=1.12; Fault plane solution: M=4.7100x10^14 NP1: 0.347, 0.0000, 0.843, 0.0000, 0.153, 0.0000. NP2: 0.237, 0.0000, 0.872, 0.0000, 0.153, 0.0000.

JMA 15 01:05:46.6:0.1, 36.56N:140.4E:0.3, h98km, MV3.4/34, NORTHERN IBARAKI PREF

JMA Felt J1 at NORTHERN IBARAKI PREF. ISC 15 01:05:44.8:0.7, 36.51N:140.40E:0.05, h110km, 5km, n56, c993/65, mb4.1/13, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HURO, HNR, HNGR, etc.

ISC 15 01:05:42.8:1.1, 36.64N:140.75E:0.03, h87km, 8km, mb4.2/11, Error ellipse: s-maj=11.4km s-min=2.3km az=162.0

IDC 15 01:05:45.4:3.5, 36.48N:140.37E, h112km, 24km, mb3.6/7, mbtmp3.9/10, MS3.3/2, Error ellipse: s-maj=45.9km s-min=9.7km az=63.0

NIED 15 01:05:46.6:36.53N:140.38E, h98km, MW3.7, Moment Tensor Solution tensor: Scale 10^14Nt; M1=2.15; M2=1.17; M3=3.32; M4=6.1; M5=2.42; M6=1.12; Fault plane solution: M=4.7100x10^14 NP1: 0.347, 0.0000, 0.843, 0.0000, 0.153, 0.0000. NP2: 0.237, 0.0000, 0.872, 0.0000, 0.153, 0.0000.

JMA 15 01:05:46.6:0.1, 36.56N:140.4E:0.3, h98km, MV3.4/34, NORTHERN IBARAKI PREF

JMA Felt J1 at NORTHERN IBARAKI PREF. ISC 15 01:05:44.8:0.7, 36.51N:140.40E:0.05, h110km, 5km, n56, c993/65, mb4.1/13, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JHO, JHYU, JYU, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JGF, JNG, JNU, etc.

ISC 15 01:10:58.4:0.7, 62.79N:125.38W:0.03, h10km, n68, c258/98, Northwest Territories

ISC 15 01:10:58.4:0.7, 62.79N:125.38W:0.03, h10km, n68, c258/98, Northwest Territories

ISC 15 01:10:58.4:0.7, 62.79N:125.38W:0.03, h10km, n68, c258/98, Northwest Territories

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NAHA, WTL, NBC1, etc.

ISC 15 01:10:58.4:0.7, 62.79N:125.38W:0.03, h10km, n68, c258/98, Northwest Territories

ISC 15 01:10:58.4:0.7, 62.79N:125.38W:0.03, h10km, n68, c258/98, Northwest Territories

ISC 15 01:10:58.4:0.7, 62.79N:125.38W:0.03, h10km, n68, c258/98, Northwest Territories

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NAHA, WTL, NBC1, etc.

ISC 15 01:10:58.4:0.7, 62.79N:125.38W:0.03, h10km, n68, c258/98, Northwest Territories

ISC 15 01:10:58.4:0.7, 62.79N:125.38W:0.03, h10km, n68, c258/98, Northwest Territories

ISC 15 01:10:58.4:0.7, 62.79N:125.38W:0.03, h10km, n68, c258/98, Northwest Territories

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NAHA, WTL, NBC1, etc.



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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Nakanoshima, Takarajima, Kuchinoerabu, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Green Lake, Raoul Island, Matakaoa Point, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Zonda, San Juan, Cerro Villucun, etc.

WEL 15 02:09:43.4±1.0, 31°S 11°18'0W±1.8, h12km, mb5.4/2, ML4.4/4, MLV4.3/3, Mw(MB)4.8/2, Error ellipse: s-maj=27.2km s-min=3.4km az=121.5, confirmed

ISC 15 02:09:45.2±0.8, 30°S 0°11'17.92W±0.2, h200km, n35, e293/44, mb3.3/4, Kermadec Islands region

h117km:p-P,n700, e145/676, mb5.1/255, 35C-5D, San Juan Province



MT05	Renca	2.35 219	Pn	02 20 49.4 +0.7
MT05	Renca	2.35 219	eP	02 20 49.5 +0.7
MT05			eS	02 21 18.5 +0.8
MT05			IAML	02 21 21.3
MT15	Las Vizcachas	2.40 212	Pn	02 20 50.2 +0.9
MT15			eS	02 21 20.6 +1.7
MT15			IAML	02 21 25.9
MT13	San Alfonso	2.44 206	eP	02 20 51.5 +1.6
MT13			eS	02 21 24.2 +4.4
MT13	San Alfonso	2.44 206	eP	02 20 51.5 +1.6
MT13	San Alfonso	2.44 206	eP	02 20 51.6 +1.8
MT13			IAML	02 21 27.6
CO06	Fray Jorge	2.44 291	Pn	02 20 48.9 -0.9
CO06	Fray Jorge	2.44 291	eP	02 20 48.9 -0.9
CO06			eS	02 21 17.0 -2.6
CO06			IAML	02 21 28.6
MT02	Curacav	2.49 227	eP	02 20 44.4 -5.9
MT02			eS	02 20 50.0
MT02	Curacav	2.49 227	eP	02 21 22.1 +1.4
MT02	Curacav	2.49 227	eP	02 20 49.8 -0.6
MT02			eS	02 21 17.9 -2.9
LMEL	Las Melosas	2.50 204	eP	02 20 52.1 +1.4
LMEL			eS	02 21 23.3 +2.0
MT12	Pirque	2.54 211	eP	02 20 51.9 +0.9
MT12			eS	02 21 23.6 +1.7
MT12			IAML	02 21 28.6
CO05	La Serena	2.54 310	Pn	02 20 50.8 -0.3
CO05	La Serena	2.54 310	eP	02 20 50.8 -0.3
CO05			eS	02 21 19.6 -2.4
CO05			IAML	02 21 22.1
VA01	Torpederas	2.69 236	eP	02 20 52.1 -0.8
VA01			eS	02 21 18.4 -6.8
VA01	Torpederas	2.69 236	eP	02 20 51.6 -1.3
VA01	Torpederas	2.69 236	eP	02 21 22.9 -2.4
VA01			eS	02 21 32.2
VA01			IAML	02 21 32.2
VA01	Torpederas	2.69 236	P	02 20 51.9 -1.0
ACLCL	CERRO LA CRUZ	2.76 40	Pn	02 20 49.9 -5.2
ACLCL			eP	02 21 24.1
ACLCL			eS	02 21 28.0 +0.7
ACLCL			IAML	02 21 58.7
BO04	La Punta	2.78 209	Pn	02 20 54.8 +0.6
BO04	La Punta	2.78 209	eP	02 20 54.9 +0.6
BO04			eS	02 21 27.8 +0.1
BO04			IAML	02 21 30.3
MT09	Talagante	2.78 217	Pn	02 20 54.0 -0.3
MT09	Talagante	2.78 217	eP	02 20 54.0 -0.3
MT09			eS	02 21 25.0 -2.8
MT09			IAML	02 21 29.6
VCA	Vinchina	2.90 14	eP	02 20 56.9 +0.9
VCA			eS	02 21 34.7 +2.2
VCA			IAML	02 21 34.8
VCA	Vinchina	2.90 14	iP	02 20 56.8 +0.9
VCA			eS	02 21 31.6 +1.1
MRA	San Martin	2.90 108	eS	02 21 14.4 -1.6
MRA			eS	02 21 14.4 -1.6
MRA			IAML	02 21 19.8
AC05	El Transito	2.94 337	eP	02 20 57.7 +1.3
AC05			eS	02 21 34.4 +0.1
AC05			IAML	02 21 40.4
AC05	El Transito	2.94 337	eP	02 20 57.9 +1.6
AC05			eS	02 21 29.4 -2.0
AC05			IAML	02 21 34.8
AC05	El Transito	2.94 337	Pn	02 20 58.0 +1.6
LCO	Las Campanas	2.94 329	eP	02 20 56.7 +0.1
LCO	Las Campanas	2.94 329	eP	02 20 56.6 0.0
LCO	Las Campanas	2.94 329	eP	02 20 56.5 0.0
LCO	Las Campanas	2.94 329	eP	02 21 56.3 +0.3
LCO			eS	02 21 31.3 -0.5
MT01	Popeta	2.99 219	eP	02 20 55.9 -1.0
MT01			eS	02 21 22.4 -1.0
MT01			IAML	02 21 28.5
MT01	Popeta	2.99 219	Pn	02 20 55.8 -1.0
MT01	Popeta	2.99 219	eP	02 20 55.9 -1.0
MT01			eS	02 21 27.5 -4.9
VA05	Santo Domingo	3.05 226	Pn	02 20 56.6 -1.1
VA05	Santo Domingo	3.05 226	eP	02 20 56.3 -1.3
VA05			eS	02 21 34.0 -3.0
VA05			IAML	02 21 40.9
VA05	Santo Domingo	3.05 226	Pn	02 20 56.5 -1.1
RFA	San Rafael	3.23 172	eP	02 20 58.9 -0.3
RFA			eS	02 21 38.8 -0.1
RFA			IAML	02 21 42.1
BO01	Tunca	3.33 211	eP	02 21 00.6 -0.8
BO01			eS	02 21 40.2 -0.2
BO01	Tunca	3.33 211	eP	02 21 00.5 -0.8
BO01			eS	02 21 32.3 -8.1
BO01	Tunca	3.33 211	Pn	02 21 01.1 -0.2
BO02	Sierra Bellavi	3.56 205	eP	02 21 04.8 +0.3
BO02			eS	02 21 43.9 -2.0
BO02			IAML	02 21 49.5
BO02	Sierra Bellavi	3.56 205	Pn	02 21 04.4 -0.1
BO02	Sierra Bellavi	3.56 205	eP	02 21 04.6 +0.2
BO02	Sierra Bellavi	3.56 205	eP	02 21 05.0 +0.5
TINO	Tinogasta	3.70 20	eS	02 21 07.4 +0.9
TINO			eS	02 21 31.9 -1.8
TINO			IAML	02 21 52.1
TCA	Tanti	3.76 88	eP	02 21 06.7 -0.4
TCA			eS	02 21 48.5 -2.2
TCA			IAML	02 22 29.9
TCA	Tanti	3.76 88	eP	02 21 06.8 -0.4
AC04	Llanos de Chal	3.81 331	eP	02 21 07.2 -0.6
AC04			eS	02 21 35.4 -1.6
AC04			IAML	02 22 17.4
AC04	Llanos de Chal	3.81 331	Pn	02 21 06.5 -1.3
AC04	Llanos de Chal	3.81 331	eP	02 21 06.9 -0.9
AC04	Llanos de Chal	3.81 331	P	02 21 07.4 +0.6
BO03	Pichilemu	3.85 220	Pn	02 21 07.5 -2.6
BO03	Pichilemu	3.85 220	Pn	02 21 06.2 -2.0
GO03	Copiapo	4.10 344	eP	02 21 11.9 0.0
GO03			eS	02 21 57.3 -1.7
GO03			IAML	02 22 02.0
GO03	Copiapo	4.10 344	Pn	02 21 11.3 -0.5
GO03	Copiapo	4.10 344	eP	02 21 11.7 -0.1
GO03	Copiapo	4.10 344	eP	02 21 11.8 0.0
CYA	Choya	4.16 42	eP	02 21 11.6 -1.0
CYA			eS	02 21 35.4 -1.5
CYA			IAML	02 21 57.9
CYA			IAML	02 22 01.1
CYA	Choya	4.16 42	eP	02 21 11.5 -1.0
EDS3	Malargue	4.21 185	eP	02 21 13.9 +0.7
EDS3			eS	02 21 45.4 -1.6
EDS3			eS	02 21 48.9
GO05	Hualane	4.23 215	Pn	02 21 10.9 -2.6
GO05	Hualane	4.23 215	eP	02 21 10.8 -2.6
PIL	Pilar	4.35 93	eP	02 21 04.2 -0.2
PIL			eS	02 22 05.8 +0.6
PIL			eS	02 21 14.2 -1.0
AC06	Mina Casimiro	4.36 344	eP	02 21 14.6 -0.6
AC06	Mina Casimiro	4.36 344	eP	02 21 14.6 -0.6
ML02	Panamavida	4.66 205	eP	02 21 18.0 -1.1
ML02	Panamavida	4.66 205	eP	02 21 16.8 -2.3
ML02	Panamavida	4.66 205	eP	02 21 17.4 -1.5
ML02	Panamavida	4.66 205	eP	02 21 17.9 -1.2
AC02	Maricunga	4.71 358	eP	02 21 21.3 +0.9
AC02			eS	02 22 13.8 -0.5
AC02	Maricunga	4.71 358	Pn	02 21 20.4 0.0

AC02	Maricunga	4.71 358	eP	02 21 21.2 +0.8
AC02	Maricunga	4.71 358	P	02 21 21.3 +0.9
BI02	San Fabin de	5.43 200	Pn	02 21 27.8 -1.9
BI02	San Fabin de	5.43 200	Pn	02 21 29.6 -0.1
AC01	Pan de Azucar	5.58 345	Pn	02 21 30.4 -1.2
AC01	Pan de Azucar	5.58 345	Pn	02 21 30.6 -1.0
AHML	Horco Molle	5.73 351	eP	02 21 28.9 -4.8
PH14	POC Station P	7.02 349	Pn	02 21 48.3 -3.1
PH14	POC Station P	7.02 349	Pn	02 21 48.8 -2.6
SALTA		7.67 18	P	02 22 02.3 +1.8
GO06	Curruhue	8.26 194	Pn	02 22 05.9 -1.9
GO06	Curruhue	8.26 194	P	02 22 07.1 -0.7
LR03	Panguipulli	8.50 198	Pn	02 22 10.3 -0.8
VA04	Juan Fernandez	8.56 253	Pn	02 22 10.8 -1.1
VA04	Juan Fernandez	8.56 253	P	02 22 07.8 -4.1
AF01	San Pedro de A	8.61 5	Pn	02 22 10.7 -2.1
H03S1	Juan Fernandez	8.66 252	P	02 22 11.3 -1.7
H03S3	Juan Fernandez	8.66 252	P	02 22 11.8 -1.2
H03S2	Juan Fernandez	8.66 252	P	02 22 11.5 -1.7
PB05	IPOC Station P	8.74 353	Pn	02 22 11.4 -3.2
PB06	IPOC Station P	8.84 356	Pn	02 22 12.9 -2.9
PB06	IPOC Station P	8.84 356	Pn	02 22 12.8 -3.1
PLCA	Paso Flores	9.24 187	P	02 22 19.3 -1.7
PLCA	Paso Flores	9.24 187	Lg	02 24 50.0
PLCA	Paso Flores	9.24 187	Pn	02 22 19.4 -1.6
PB03	POC Station P	9.50 356	P	02 22 20.9 -4.0
ANCO	Parque Anchore	9.65 109	eP	02 22 20.1 -6.4
ANCO			eS	02 24 10.2 -2.9
PB09	IPOC Station P	9.73 359	Pn	02 22 25.3 -2.6
PB09	IPOC Station P	9.73 359	Pn	02 22 23.1 -4.9
PSAL	Palomas, Salto	9.74 90	eP	02 22 23.9 -3.9
PSAL			eS	02 24 16.4 +0.9
PB07	IPOC Station P	9.83 355	Pn	02 22 22.9 -4.3
LL03	Petrohue	9.95 195	Pn	02 22 27.7 -2.8
LL03	Petrohue	9.95 195	P	02 22 27.1 -3.4
PB02	IPOC Station P	10.23 355	P	02 22 29.9 -4.8
ITQB	Itaque	10.81 83	eP	02 22 39.4 -2.9
ITQB			eS	02 24 43.1 +1.7
TA01	Diego Aracena	11.00 354	Pn	02 22 46.1 +1.2
PB08	IPOC Station P	11.38 359	Pn	02 22 45.9 -4.4
PB08	IPOC Station P	11.38 359	Pn	02 22 50.6 +0.3
CPUP	Villa Florida	11.46 66	Pn	02 22 47.3 -3.6
CPUP			Lg	02 24 52.9 -4.2
CPUP			Lg	02 25 53.6
PB11	IPOC Station P	11.77 357	Pn	02 22 56.0 +0.8
GO01	Chumizma	11.85 359	Pn	02 22 52.2 -4.4
GO01	Chumizma	11.85 359	Pn	02 22 53.4 -3.2
SJPY	Pedras Altas	13.09 63	eP	02 23 11.2 -1.2
SJPY			eS	02 25 41.4 +4.7
PLTB	Pedras Altas	13.11 95	eP	02 23 08.3 -4.3
PLTB			eS	02 25 37.6 +0.7
PB16	IPOC Station P	13.18 358	Pn	02 23 11.3 -2.8
PB16	IPOC Station P	13.18 358	Pn	02 23 15.2 +1.1
CPBS	Cacapava Du Su	13.39 89	Pn	02 23 12.6 -3.6
CPBS	Cacapava Du Su	13.39 89	eP	02 23 11.5 -4.7
CPBS			eS	02 23 45.4 +1.6
PB18	Visiviri	13.92 358	Pn	02 23 23.4 -0.2
COYC	Choyhaique	14.20 189	Pn	02 23 25.9 -0.5
LPAZ	La Paz	15.23 3	P	02 23 39.6 -0.6
LPAZ	La Paz	15.23 3	S	02 26 38.3 +0.7
LPAZ	La Paz	15.23 3	Pn	02 23 39.3 -1.0
LPAB	Concordia	15.31 78	Pn	02 23 38.6 -2.0
LPAB	Concordia	15.31 78	Pn	02 23 38.9 -1.8
ITAB	Concordia	15.31 78	eP	02 23 38.3 -2.4
ITAB			eS	02 26 34.0 -4.1
COIM	Forte Coimbra	15.36 44	eP	02 23 41.1 -0.2
COIM			eS	02 26 36.9 -2.2
CNLB	Canela	15.80 87	Pn	02 23 44.4 -2.4
CNLB	Canela	15.80 87	eP	02 23 42.8 -4.0
CNLB			eS	02 26 44.4 -3.2
BBSD	Serra de San D	16.21 30	eP	02 23 50.6 -1.2
BBSD			eS	02 26 56.9 +1.0
AQDB	Aquidauana	16.25 50	Pn	02 23 51.5 -0.8
AQDB	Aquidauana	16.25 50	Pn	02 23 51.5 -0.8
AQDB	Aquidauana	16.25 50	eP	02 23 51.2 -1.0
ACODE	Terra Rica	16.95 63	eP	02 23 58.2 +1.6
TRCB	Terra Rica	16.95 63	eP	02 24 00.4 +0.6
SIV	San Ignacio	17.10 27	Pn	02 24 01.1 -1.5
GO08	Villa O'Higin	17.10 188	Pn	02 24 01.1 -1.2
GO08	Villa O'Higin	17.10 188	P	02 24 04.4 +1.9
LDASE	Londrina, Braz	17.80 67	eP	02 24 10.0 -0.4
PTLB	Pontes e Lacer	18.39 32	eP	02 24 16.8 0.0
PTLB	Pontes e Lacer	18.39 32	eP	02 24 17.1 -1.1
PTLB			eS	02 27 49.2 +5.0
PP1B	Ponte de Pedra	18.89 46	eP	02 24 30.4 -0.9
PP1B			eS	02 27 59.5 +3.3
SAN	Santo Antonio	19.75 41	eP	02 24 32.0 +0.4
VILB	Vilhena	20.21 26	eP	02 24 36.5 -0.1
VILB	Vilhena	20.21 26	eP	02 24 36.7 +0.1
VILB			eS	02 25 25.0 -2.9
PET01	Ihanhaem-SP	20.48 75	eP	02 24 40.2 -2.3
SPB				



Table of astronomical observations for 2020 OCT, columns include station name, object name, magnitude, position, and other parameters.

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Table of astronomical observations for 2020 OCT, columns include station name, object name, magnitude, position, and other parameters.





15d 4h

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Table with columns for station name, location, frequency, power, and other technical details. Includes stations like ASAR Alice Springs, AS09 Alice Springs, AS17 Alice Springs, etc.

Table with columns for station name, location, frequency, power, and other technical details. Includes stations like BRTR Keskin Array B, BRTR Keskin Array S, BRTR Keskin Array S, etc.

Table with columns for station name, location, frequency, power, and other technical details. Includes stations like ARCES ARCESS Array B, ARCES ARCESS Array B, ARCES ARCESS Array B, etc.



Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like PDRAR Pinedale Array, ECSD EROS Data Cent, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like D22K Ayikyak River, D22K Kiliik River, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like CLARA Aguas Claras, CLARA Mesas, etc.

IDC 15 05:27:18.5,5.4,36.04N:71.53E, h75km, 46km, mb3.5/8, mbtmp3.9/12, ML3.7/4, Error ellipse: s-maj=35.1km s-min=25.1km az=22.0

IDC 15 06:01:35.2,2.1,30.94S:177.71W, h0km, mb3.7/3, mbtmp3.7/3, MS3.5/1, Error ellipse: s-maj=61.6km s-min=35.0km az=43.0, Kermadec Islands

IDC 15 07:00:16.2,0.4,31.02S:177.69W, h0km, mb4.6/18, mbtmp4.5/18, MS4.6/50, Error ellipse: s-maj=18.9km s-min=15.9km az=84.0

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like KBL Kabul, NLR Nilore, etc.

SNET 15 06:45:51.2,1.0,13.25N:88.06W, h194km, ML3.6, ML3.2, Presumed earthquake

MOS 15 07:02:01.0,0.9,31.23S:177.87W, h33km, mb5.4/14, Error ellipse: s-maj=12.6km s-min=9.7km az=102.8

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like ALCI Alchi Leh, ALCI Thein Dam, etc.

CATAC 15 06:45:53.7,0.3,13.3N:87.87W, h181km, 17km, mb3.0/4, mbtmp3.6/6, Error ellipse: s-maj=56.2km s-min=9.7km az=40.0

GCMT 15 07:02:28.0,1.3,31.10S:177.43W, 0.0, h17km, MW5.2/130, Moment Tensor Solution

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like ARS Arslanbob, DHRM DHARAMSHALA, etc.

UCR 15 06:45:58.4,1.6,12.50N:88.19W, h0km, 540km, MW3.6, Presumed earthquake

ISG 15 07:00:52.5,0.2,32.22S:177.63W, h142km, ML5.3/25, South Islands region

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like AAK Ala-Archa, AAK Ala-Archa, etc.

ISG 15 07:00:18.2,0.3,31.32S:177.70W, 0.05, h10km, n417, e173/361, mb5.1/104, MS4.7/52, 13C-9D, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like GLKZ Green Lake, GLKZ Raoul Island, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like KK31 Karatay Array, KK31 Karatay Array, etc.

ISG 15 07:00:18.2,0.3,31.32S:177.70W, 0.05, h10km, n417, e173/361, mb5.1/104, MS4.7/52, 13C-9D, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like URZ Urewera, URZ Urewera, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like MKAR Everest, MKARB Kuratob, etc.

ISG 15 07:00:18.2,0.3,31.32S:177.70W, 0.05, h10km, n417, e173/361, mb5.1/104, MS4.7/52, 13C-9D, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like BHZ Black Hill Sta, BHZ Kereru, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like AB31 Akbulak array, AB31 Akbulak array, etc.

ISG 15 07:00:18.2,0.3,31.32S:177.70W, 0.05, h10km, n417, e173/361, mb5.1/104, MS4.7/52, 13C-9D, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like BHZ Black Hill Sta, BHZ Kereru, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like BVAR Borovoye, BVAR Borovoye, etc.

ISG 15 07:00:18.2,0.3,31.32S:177.70W, 0.05, h10km, n417, e173/361, mb5.1/104, MS4.7/52, 13C-9D, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like BHZ Black Hill Sta, BHZ Kereru, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like HFS Hagfors, HFS Hagfors, etc.

ISG 15 07:00:18.2,0.3,31.32S:177.70W, 0.05, h10km, n417, e173/361, mb5.1/104, MS4.7/52, 13C-9D, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like BHZ Black Hill Sta, BHZ Kereru, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like D19K Kuna River, D19K Kuna River, etc.

ISG 15 07:00:18.2,0.3,31.32S:177.70W, 0.05, h10km, n417, e173/361, mb5.1/104, MS4.7/52, 13C-9D, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like BHZ Black Hill Sta, BHZ Kereru, etc.



Table with columns: Station Name, RA, Dec, Az, El, and other parameters. Includes stations like MA2 Magadan, XAN Xian, XAN comp-Z,260nm,17.9s, etc.

Table with columns: Station Name, RA, Dec, Az, El, and other parameters. Includes stations like MNK Minsk, MNK comp-E,39nm,0.8s, MNK comp-N,21nm,0.8s, etc.

Table with columns: Station Name, RA, Dec, Az, El, and other parameters. Includes stations like EKS2 MRKS Merke, MRKS Merke, MRKS Merke, etc.

NNC 15 07:25:00.2-1.1, 41.62Nk:73.12E, h0km, mb3.8, mpv3.6, Error ellipse: s-maj=9.9km s-min=4.3km az=173.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ARSB Arslanbob, ARSB Arslanbob, SALK Salom-Alik, etc.

15d 8h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ANVS Anan'yev, PRZ Przheval'sk, ARXS Arharly, etc.

AEIC 15 07:54:56.5-1.2, 53.78N, 0.09:166.93W, 0.07, h104km, 3km, Error ellipse: s-maj=14.9km s-min=1.4km az=155.0

NEIC 15 07:54:57.0-0.8, 53.82N, 0.08:166.98W, 0.08, h107km, 3km, mb3.5/13, ML3.3/20, ML3.0(AEIC), Error ellipse: s-maj=13.2km s-min=4.7km az=155.0, Fox Islands

Main table of station data for the 15d 8h period, including station names, coordinates, and observation details.

2020 OCT

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CBIJ Chichi jima, CBJU comp=N,13nm,0.3s, etc.

JMA 15 08:01:32.0, 0.1, 25.1N, 2.122E, 0.5, h100km, 1km, MV3.4/18, NW OFF ISHIGAKIJIMA IS

TAP 15 08:01:31.9, 24.71N, 122.87E, h98km, ML4.1, D ISC 15 08:01:32.6, 1.3, 24.63N, 0.04:122.88E, 0.02, h95km, 6km, n147, of93/238, 1C-3D, Taiwan region

Main table of station data for the 2020 OCT period, including station names, coordinates, and observation details.

750

Main table of station data for the 750 period, including station names, coordinates, and observation details.

Table with columns: Station Name, Time, Res, ISC, and other seismic data for stations like TWK, CHN1, SGST, etc.

Table with columns: Station Name, Time, Res, ISC, and other seismic data for stations like EKAR, SENK, BOZK, etc.

Table with columns: Station Name, Time, Res, ISC, and other seismic data for stations like SVAN, Silvan-Diyarba, TRLG, etc.

SDD 15 08:09:00.6:2.2, 20.39N:70.96W, h108km, 32km, MD3.0, ML2.5, MW2.6, Presumed earthquake

OSPL 15 08:09:02.1:4.0, 20.23N:70.80W, h7km, 5km, ML2.1, Presumed earthquake

IDC 15 08:43:55.3:2.8, 21.65N:143.07E, h314km, 28km, mb3.4/12, mbtmp4.1/14, Error ellipse: s-maj=19.3km

Table with columns: Code, Station Name, Time, Res, ISC, and other seismic data for stations like LOPP1, SC01, MCDR, etc.

Table with columns: Code, Station Name, Time, Res, ISC, and other seismic data for stations like ERZM, ERZM, ERZM, etc.

NEIC 15 08:43:55.1:1.2, 21.67N:143.0E:0.1, h309km, 7km, mb4.2/3.0, Error ellipse: s-maj=17.4km s-min=11.4km az=77.0

ISC 15 08:43:55.6:0.5, 21.65N:143.0E:0.1, h311km, n64, c074/65, mb4.1/26, Mariana Islands region

IDC 15 08:10:11.2:1.6, 5.91S:122.62E, h0km, mb3.4/2, mbtmp3.6/5, ML3.3/3, Error ellipse: s-maj=43.0km s-min=16.0km az=41.0

DJA 15 08:10:12.7:0.6, 6.54S:122.3E, h18km, 7km, M3.4/11, ML3.4/11

ISC 15 08:10:12.6:0.9, 6.02S:122.56E:0.08, h10km, n12, c095/15, Flores Sea

Table with columns: Code, Station Name, Time, Res, ISC, and other seismic data for stations like BBSI, BBSI, BBSI, etc.

Table with columns: Code, Station Name, Time, Res, ISC, and other seismic data for stations like ARUZ, ARUZ, GURO, etc.

ISC 15 08:10:12.6:0.9, 6.02S:122.56E:0.08, h10km, n12, c095/15, Flores Sea

NSSP 15 08:18:47.0, 39.85N:42.00E, h10km, Ms3.3, TIF 15 08:18:52.6, 39.78N:42.57E, h6km, jkm

ISK 15 08:18:52.4, 39.78N:42.58E, h5km, ML3.4/14, AFAD 15 08:18:53.4, 39.78N:42.56E, h11km, jkm, MW3.6

ISC 15 08:18:53.4:0.9, 39.77N:102.42E:56E:0.02, h9km, 7km, n59, c2809/95, Turkey

Table with columns: Code, Station Name, Time, Res, ISC, and other seismic data for stations like EATA, EATA, EATA, etc.

Table with columns: Code, Station Name, Time, Res, ISC, and other seismic data for stations like OZAP, OZAP, OZAP, etc.

ISC 15 08:18:53.4:0.9, 39.77N:102.42E:56E:0.02, h9km, 7km, n59, c2809/95, Turkey

ISC 15 08:18:53.4:0.9, 39.77N:102.42E:56E:0.02, h9km, 7km, n59, c2809/95, Turkey

ISC 15 08:18:53.4:0.9, 39.77N:102.42E:56E:0.02, h9km, 7km, n59, c2809/95, Turkey

ISC 15 08:18:53.4:0.9, 39.77N:102.42E:56E:0.02, h9km, 7km, n59, c2809/95, Turkey

ISC 15 08:18:53.4:0.9, 39.77N:102.42E:56E:0.02, h9km, 7km, n59, c2809/95, Turkey

ISC 15 08:18:53.4:0.9, 39.77N:102.42E:56E:0.02, h9km, 7km, n59, c2809/95, Turkey

ISC 15 08:18:53.4:0.9, 39.77N:102.42E:56E:0.02, h9km, 7km, n59, c2809/95, Turkey

ISC 15 08:18:53.4:0.9, 39.77N:102.42E:56E:0.02, h9km, 7km, n59, c2809/95, Turkey

ISC 15 08:18:53.4:0.9, 39.77N:102.42E:56E:0.02, h9km, 7km, n59, c2809/95, Turkey

ISC 15 08:18:53.4:0.9, 39.77N:102.42E:56E:0.02, h9km, 7km, n59, c2809/95, Turkey

ISC 15 08:18:53.4:0.9, 39.77N:102.42E:56E:0.02, h9km, 7km, n59, c2809/95, Turkey

ISC 15 08:18:53.4:0.9, 39.77N:102.42E:56E:0.02, h9km, 7km, n59, c2809/95, Turkey

ISC 15 08:18:53.4:0.9, 39.77N:102.42E:56E:0.02, h9km, 7km, n59, c2809/95, Turkey

ISC 15 08:18:53.4:0.9, 39.77N:102.42E:56E:0.02, h9km, 7km, n59, c2809/95, Turkey

ISC 15 08:18:53.4:0.9, 39.77N:102.42E:56E:0.02, h9km, 7km, n59, c2809/95, Turkey

IDC 15 08:51:34.0:0.8, 7.20N:126.39E, h0km, mb4.3/10,





0342.62550°, 822.31543°, 128.39157°. Principal axes:  
 T 1.1942, Plg59.8359°, Azm11.7056°, N 0.0122,  
 Plg13.6393°, Azm126.3837°, P -1.2064, Plg26.3408°,  
 Azm223.2840°;  
 GCMT 15 09:41:18.0±0.1, 3.38S; 0.01±0.100; 15E: 0.01, h19km,  
 MW5.5/112, Moment Tensor Solution. s112,c193;  
 s107,c170; Duration: 1s3 Moment tensor: Scale 10<sup>17</sup>  
 Nm; Mn: 0.99±0.02; Mb: 0.53±0.01; Mw: 0.45±0.02;  
 Mo: 1.41±0.03; Mo: 0.51±0.01; Mo: 1.19±0.04; Best double  
 couple: Mo: 2.09800±0.1017°; NP1: 305.00000°, 814.00000°,  
 1.95.00000°; NP2: 130.00000°, 876.00000°, 1.89.00000°;  
 Principal axes: T 2.0280, Plg59.0000°, Azm35.0000°; N  
 0.0190, Plg1.0000°; Azm131.0000°; P -2.1070,  
 Plg31.0000°; Azm221.0000°; nsta1 refers to body waves,  
 cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

Triangular moment-rate function  
 ISC 15 09:41:16.3±0.3, 3.27S; 0.03±0.100; 33E: 0.04, h21km, 3km,  
 h21km; p-P, n787°, c1943/802, mb5.3/249, MS5.3/100,  
 53C-20D, Southern Sumatara

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
PPSI	Pulau Pagai	0.59	328	Op	09 41 28.1	+0.4
PPSI				S	09 41 35.9	-0.2
KRJI	Kerinci	1.63	44	P	09 41 44.4	+0.5
KRJI				AML		
MASI	Maura Aman, Be	1.92	86	P	09 41 48.1	+0.3
MASI				AML		
UBSI	University, Be	2.00	104	P	09 41 49.7	+0.8
UBSI				AML		
KSI	Kapahiang	2.29	100	P	09 41 53.7	+0.7
KSI				AML		
PPJ	Padang Panjang	2.79	1	P	09 42 00.3	+0.5
PPJ				AML		
MNAI	Manna	2.84	113	P	09 42 01.0	+0.5
MNAI				S	09 42 32.8	-1.3
MNAI				P	09 42 01.2	+0.8
MNAI				P	09 42 01.6	+1.1
MNAI				AML		
MNAI	Manna	2.84	113	P	09 42 01.9	+1.4
MNAI				P	09 42 07.8	+1.9
LHSI	Lahat	3.24	100	P	09 42 07.8	+1.9
LHSI				AML		
BKNI	Bangkinang	3.64	11	P	09 42 12.7	+1.2
BKNI				P	09 42 11.9	+0.3
BKNI				P	09 42 11.9	+0.3
BKNI				P	09 42 12.1	+0.6
BKNI				P	09 42 12.8	+0.7
JMBI	JAMBI	3.69	64	P	09 42 12.8	+0.7
JMBI				AML		
PBSI	Pulau Batu	3.79	327	P	09 42 12.6	-0.9
PBSI				AML		
MDSI	Maura Dua	4.03	108	P	09 42 18.4	+1.6
MNSI	Mandalang Nat	4.11	350	P	09 42 17.2	-0.7
MNSI				AML		
LWLI	Liwa	4.11	115	P	09 42 19.7	+1.7
LWLI				AML		
PMBI	Palembang	4.45	86	P	09 42 23.6	+1.0
PMBI				AML		
PMBI	Palembang	4.45	86	P	09 42 22.7	+0.1
KASI	Kota Agung	4.72	118	P	09 42 27.5	+1.1
KASI				AML		
KLI	Kotabumi	4.79	109	P	09 42 28.5	+1.2
KLI				AML		
DSRI	Dabo	5.07	57	P	09 42 31.9	+0.7
DSRI				AML		
DSRI				AML		
GSI	Gunungsitoli	5.31	329	S	09 43 34.3	-0.7
GSI				P	09 42 33.3	-1.1
GSI				P	09 42 33.1	-1.3
GSI				AML		
GSI	Gunungsitoli	5.31	329	P	09 42 33.6	-0.9
GSI				AML		
BSLI	Bandar Lampung	5.33	113	P	09 42 36.6	+1.9
BSLI				AML		
TRSI	Tarutung	5.45	345	P	09 42 39.2	+2.9
BTDF	Bukit Timah Da	5.75	37	P	09 42 40.8	+0.4
BTDF				P	09 42 40.8	+0.4
BTDF				AML		
PPBI	Pangkal Pinang	5.91	79	P	09 42 45.2	+2.5
TPRI	Tanjung Pinang	5.91	45	P	09 42 43.7	+1.0
TPRI				AML		
MYKOM	Kota Tinggi	6.14	35	P	09 42 46.3	+0.5
MYKOM				P	09 42 46.4	+0.5
MYKOM				P	09 42 46.0	+0.2
MYKOM				AML		
MYKOM	Kota Tinggi	6.14	35	P	09 42 46.5	+0.7
MYKOM				AML		
PSI	Prapat	6.19	347	P	09 42 43.7	-3.0
PSI				AML		
CGJI	Cibinong	6.29	122	P	09 42 47.4	-0.6
CGJI				AML		
SBJI	Serang	6.44	116	P	09 42 49.6	-0.4
SBJI				AML		
SNSI	Sinabang, Aceh	6.91	325	P	09 42 56.8	+0.3
TNG	Tangerang	6.93	115	P	09 42 58.9	+2.2
TNG				P	09 42 56.2	-0.8
CHTO	Chiang Mai	6.95	345	P	09 42 56.2	-0.8
CHTO				AML		
TPTI	Tapi	7.21	334	P	09 43 01.6	+1.1
TPTI				AML		
KCSI	Kotacane, Aceh	7.21	339	P	09 42 59.9	-0.7
KCSI				AML		
CBJI	Cibitok	7.21	116	P	09 43 04.7	+4.1
CBJI				AML		
SKJI	Sukabumi	7.23	121	P	09 43 01.9	+1.1
SKJI				AML		
TPJ	Tanjungpandan	7.33	86	P	09 43 03.5	+1.2
TPJ				AML		
IPM	Ipo	7.73	5	P	09 43 08.9	+1.2
IPM				P	09 43 08.3	+0.6
IPM				P	09 43 08.3	+0.6
IPM				AML		
IPM				P	09 43 09.0	+1.2
CNJI	Cibinong	7.87	121	P	09 43 08.9	-0.8
CNJI				AML		
LEM	Lembang	8.08	116	P	09 43 13.4	-0.8
LEM				AML		
LEM				AML		
LEM	Lembang	8.08	116	P	09 43 14.3	+1.7
LEM				AML		
BBJI	Bungbulang	8.40	120	P	09 43 16.6	-0.4
BBJI				P	09 43 15.7	-1.2
BBJI				P	09 43 16.1	-0.8
BBJI				P	09 43 16.5	-0.4
MLSI	Meulaboh, Aceh	8.45	332	P	09 43 17.8	+0.2
KULM	Kulim	8.51	2	P	09 43 17.7	-0.7
KULM				P	09 43 18.3	-0.1
KULM				P	09 43 18.2	-0.2
JCJI	Jatitwangi	8.54	112	P	09 43 20.9	+2.1
LHMI	Lhok Sumawe	9.09	338	P	09 43 27.6	+1.2
CMJI	Cimerak	9.24	119	P	09 43 27.7	-0.8
KPJI	Kirari Pucung	9.47	116	P	09 43 30.3	+1.4
COCO	West Island	9.51	201	P	09 43 32.2	0.0
COCO				P	09 43 29.9	-2.2
COCO				P	09 43 31.2	-1.0
COCO				P	09 43 31.6	-0.6
CTJI	Waduk Cacaban	9.57	113	P	09 43 34.2	+1.2
BSI	Banda Aceh	10.05	330	P	09 43 37.7	-1.9
SMRI	Samarang	10.75	111	P	09 43 49.8	+0.6
SMRI				P	09 43 49.5	+0.3
SMRI				P	09 43 50.5	+1.4

UGM	Wanagama	11.15	115	P	Pn	09 43 54.3	-0.3
UGM				P	Pn	09 43 53.1	-1.5
UGM				P	Pn	09 43 54.4	-0.2
WOJI	Wongiri, Jawa	11.48	114	P	Pn	09 43 59.9	+0.8
STKI	Sintang	11.63	74	P	Pn	09 44 03.3	+2.1
PCJI	Pacitan	11.82	115	P	Pn	09 44 05.0	+0.8
PCJI				P	Pn	09 44 09.9	+0.5
SNJI	Sawahang-Nganju	12.23	112	P	Pn	09 44 10.7	+1.2
PWJI	Pagerwojo	12.36	113	P	Pn	09 44 12.7	+1.6
SBUM	Sibu	13.18	65	P	Pn	09 44 24.0	+1.6
SBUM				P	Pn	09 44 24.8	+2.4
SBUM				P	Pn	09 44 25.6	+3.3
BLJI	Banyuglugur	13.38	109	P	Pn	09 44 35.2	+2.5
BLJI				P	Pn	09 44 35.6	+0.7
KMMI	Kaliang	14.09	106	P	Pn	09 44 42.6	+2.2
BBKI	Banjur Baru	14.49	91	P	Pn	09 44 41.6	+0.4
ABJI	Asem Bagus	14.55	109	P	Pn	09 44 41.6	-1.4
JAGI	Jajag, Banyuwana	14.69	111	P	Pn	09 44 41.4	-1.6
JAGI				P	Pn	09 44 41.9	-1.1
JAGI				P	Pn	09 44 42.2	-0.8
RTBI	Rangdo, Negare	15.42	110	P	Pn	09 44 53.5	+0.7
KHKI	Kahang-Kahang	16.02	109	P	Pn	09 45 01.8	+1.3
BKB	Balikpapan	16.68	84	P	P	09 45 10.8	-0.4
BKB				P	Pn	09 45 11.1	-0.1
SMKI	Samarinda	17.10	81	P	P	09 45 16.1	+0.2
TWSI	Taliwang, Sumb	17.33	109	P	P	09 45 19.0	+0.6
PLAI	Plampang	18.20	108	P	Pn	09 45 26.7	-1.2
PLAI				P	Pn	09 45 26.1	-1.8
KKM	Kota Kinabalu	18.37	60	P	Pn	09 45 30.3	+0.3
KKM				P	Pn	09 45 29.5	-0.5
KKM				P	Pn	09 45 30.1	+0.1
KKM				P	Pn	09 45 30.2	+0.1
PMSI	Majene	18.56	91	P	Pn	09 45 32.9	+0.6
MMSI	Masui	18.57	99	P	Pn	09 45 33.2	+0.8
DBNI	Kabupaten Dong	18.63	107	P	Pn	09 45 33.5	+0.4
MKS	Makassar	19.19	96	P	Pn	09 45 40.9	+1.0
SPSI	Sidrap Palu	19.42	93	P	Pn	09 45 40.4	-1.0
KAPI	Kappang	19.45	96	P	Pn	09 45 41.3	-0.5
KAPI				AML	AML	09 45 41.7	-0.1
KAPI				P	P	09 45 41.5	-0.3
KAPI				Pmax	Pmax	09 45 41.2	-0.5
KAPI				IAMB	IAMB	09 45 54.6	
KAPI				P	P	09 45 41.4	-0.3
KAPI				P	P	09 45 41.6	-0.3
KAPI				P	P	09 45 45.4	+0.1
PCI	Palu	19.64	84	P	Pn	09 45 45.9	-0.2
BKSI	Bulukumba	19.84	97	P	Pn	09 45 49.7	+0.5
LBFJ	Laban Bajo,	20.13	106	P	P	09 45 51.3	+0.3
BSSI	Bau Batin	20.30	99	P	P	09 45 58.0	+0.4
TOLJ	Toilitoi	20.91	78	P	P	09 45 58.1	+0.4
TOLJ				IAMB	IAMB	09 46 10.1	
TOLJ				P	P	09 45 58.4	+0.8
APSI	Ampana	21.44	84	P	P	09 46 04.6	+1.3
CMAR	Chiang Mai Arr	21.63	356	P	P	09 46 03.4	-2.0
CMAR				P	P	09 50 07.1	+0.2
CMAR				P	P	09 55 59.6	
CMAR				P	P	09 46 03.4	-2.0
CMAR				P	P	09 46 02.9	-2.5
EDFI	Ende, Flores	21.93	105	P	P	09 46 08.3	-0.4
CHTO	Chiang Mai	21.99	357	P	Pmax	09 46 06.8	-2.4
CHTO				P	P	09 46 06.2	-2.4
CHTO				P	P	09 46 07.1	-2.1
CHTO				P	P	09 46 06.2	-3.0
PALK	Pallekele	22.21	298	LR	LR	09 53 56.6	
KDI	Kendari	22.26	92	P	P	09 46 13.5	+1.3
PPR	Puerto Princes	22.45	55	P	P	09 46 14.2	-0.1
LUWI	Luwuk	22.54	85	P	P	09 46 15.1	-0.1
LUWI				P	P	09 46 14.2	-1.0
MALK	Mahakanadarawa	22.84	301	P	P	09 46 18.2	-0.6
GTOI	Gorontalo	23.00	81	P	P	09 46 18.6	-1.5
NPW	Naypyitaw	23.27	350	P	P	09 46 23.3	+0.7
KMSI	Cibinong	23.95	81	P	P	09 46 28.5	-0.9
QIZ	Qiongzong	24.06	23	P	P	09 46 29.5	-0.8
QIZ				S	S	09 50 49.3	+2.6
QIZ				Pmax	Pmax		
QIZ				L	L		
QIZ				L	L		









15d 10h

Table with columns: Station Name, Az, Phase, Time, Res. Includes stations like YOJ, EAHA, ETLA, HWA, TWD, etc.

2020 OCT

Table with columns: Code, Station Name, Az, Phase, Time, Res. Includes stations like SCZT, JIRJ, PNR, etc.

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Table with columns: Code, Station Name, Az, Phase, Time, Res. Includes stations like BRJC, RUSC, TAMC, etc.







Table with columns: Name, Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl.

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15d 13h

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Table with multiple columns containing station names (e.g., CIT, KELR, BOD, TRG, UUDB, CRS, FFNB, KAB, STDB, HRMR, VTMR, TUP, BG, KHNR, LSTR, IRK, KPC, IVK, YKLR, TLY), call signs, frequencies, and various numerical data points.







Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for ASAR and MKAR.

ISK 15 14:47:55.6, 41.09N-28.92E, h0km, 2km, ML1.0/2, Suspected Mining explosion., Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for AFAD, BALLY, BKES, and BAYC.

IDC 15 14:48:14.0, 0.8, 10.18N, 122.06E, h0km, mb3.8/8, mbmp3.8/8, MS3.2/4, Error ellipse: s-maj=46.1km

MAN 15 14:48:14.0, 10.47N, 122.00E, h1km, MS4.1, MAN INTENSITY III - SAN JOAQUIN AND MIAGAO ILOILO.

ISC 15 14:47:17.3, 1.3, 10.55N, 102.44E, h17km, 8km, n14, c204/43, mb3.9/4, Panay

Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for JAP, GUM, CADD, IBAJ, SNPH, LLP, TB, LSP, DCPH, PLO, PAGZ, CGP, GOP, PPR, TGY, BUKP, KCP, BIPH, DAV, SIJI, KAPI, CMAR, WRA, USRK, ASAR, SONM, STKA, MKAR, KURBB, PLCA.

AEIC 15 14:53:46.3, 2.2, 55.96N, 0.10, 149.8W, 0.1, h10km, 8km, Error ellipse: s-maj=15.3km, s-min=9.9km, az=149.0

NEIC 15 14:53:43.2, 2.0, 56.00N, 0.09, 149.9W, 0.1, h21km, 11km, ML3.6/46, ML3.4(AEIC), Error ellipse: s-maj=15.5km

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for OHAK, KDAK, SII, CHIR, KAHG, Q19K, KAWH.

Table with columns: MGLS, Mageik Landoli, CNPM, China Poot, CNPM, China Poot, CNPM, China Poot. Includes values like 3.59 309, 3.61 349.

Table with columns: CAHL, Cahill, KARR, Katmai Rainbow, KAKN, Katmai Knife C, ACHA, Angle Creek He, KANU, Katmai Buttes, ABCU, Angle Creek, BRSE, Bradley Lake S, AUI, Augustine Isla, AUJK, Augustine Jueg, AU22, Augustine Moun, MID, Middleton Isla, MID, Middleton Isla.

Table with columns: R17L, Mt. Peulik Vol, Q17K, Contact Creek, P19K, Oil Pt, PLK1, Peulik 1, SEW, Seward, P23K, Montague Islan, P23K, comp=E, 96nm, 0.3s.

Table with columns: ILS, Iliamna Low, ILS, Iliamna South, ILSW, Iliamna South, ILSW, comp=E, 43nm, 0.4s.

Table with columns: P18K, Big Mountain, SLKM, Skilak Lake, SLKM, comp=N, 54nm, 0.4s, SLKM, comp=N, 115nm, 0.5s.

Table with columns: RED, Redoubt Volcan, RED, Redoubt Volcan, ANPB, Aniakhchak Plen, HIN, Hinchinbrook I, HIN, comp=N, 59nm, 1.9s.

Table with columns: P17K, Kvichak River, O18K, Koktuh Hills, O18K, Koktuh Hills, O18K, comp=N, 57nm, 0.7s.

Table with columns: O19K, Port Aisworth, KAIM, Kayak Island, PWL, Port Wells, PWL, comp=E, 44nm, 0.4s.

Table with columns: EYAK, Cordova Ski Ar, EYAK, comp=E, 40nm, 0.6s.

Table with columns: FID, Port Fidalgo, FID, comp=E, 47nm, 0.7s.

Table with columns: GLI, Glacier Island, GLI, comp=N, 41nm, 0.4s.

Table with columns: RC01, Rabbit Creek A, P16K, Nushagak River, GOAT, Goat Mountain, BGLC, Bering Glacier, BNG, Knik Glacier, BERG, Berg Lake, SUA, Seward One, GRIN, Grindle Hills, DIV, Divide, STLK, Strandline Lak, N18K, Kilae Creek, CNBA, Chernabura Isl, BMRM, Bremner River, GHO, Glory Hole Cre, SML, Sawmill, BARK, Barkley Ridge, CRQM, Cirque, N17K, Nushagak Hills, SCM, Sheep Creek Mo, TGL, Tana Glacier, SDPT, Sand Point, O15K, Ungalikthik R, GLB, Gilaiana Butte, M18K, Stony River, SAMH, Samovar Hills, MCARA, McCarthy VSAT, PTPK, Patty Peak, PS11, TAPS Pump St11, WAK, Wainigali Chich, WAT6, Susitna Watana, HARP, HAARP, WAT7, Susitna Watana, PNTA, Pavlov North-7, OZ6M, Mount Upton, L27K, Beaver Creek F, DHY, Denali Highway, M26K, Nabesna, AK, PAX, Paxson, M15K, Kasigluk River, N14K, Kuskokwak Cree, P20M, Windy Craggy, L17K, Donlin, M27K, Edge Creek, AK, K24K, Donnelly Dome, BC01, Beaver Creek A, L27K, Beaver Creek, N30M, Aishikhik Lake, M29M, Somme Creek.

Table with columns: NNC 15 14:59:53.1, 2.4, 52.83N, 87.65E, h0km, mb3.7, mpv3.3, Error ellipse: s-maj=18.4km, s-min=9.6km, az=87.0, Suspected Mining explosion.

ASRS 15 14:59:46.9, 0.1, 52.93N, 0.8, 88E, h3km, MLH3.1/15, 3C-11D, Error ellipse: s-maj=2.3km, s-min=1.5km

ASRS 15 14:59:33.3, confirmed, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for TARS, Tashtagol, KALT1, Kaltan 1, KALT2, Kaltan 2, KIYZ, Kiyzas, Kuzbas, KIYZ, Kiyzas, MALIN, Malinovka, Kuz, MALIN, Malin, KALT3, Kaltan 3, KALT3, Kaltan 3, TAL, Tailpe, Kuzbas, LUZB, Luzhba, Kemero, ELT, Eltsovka, ELT, Eltsovka.

Table with columns: YALR, Yailiyu, Altay, YALR, Yailiyu, Altay, ERU, Erunakovo, Kuz, ERU, Erunakovo, Kuz, VCHU, Verkh-Chumysh, VCHU, Verkh-Chumysh, VEH, Verkhnyaya Baz, KOTO, Kotino, Kuzbas, KOTO, Kotino, GALT, Gorno-Altaysk, BJR3, Bachatsky-3 (S), BJR3, Bachatsky-3 (S), BJR3, Bachatsky-4, K, BJR4, Pomor, Pomor, BJR1, Pomor, BJR1, Djoy, Khakassi, DJO, Djoy, ELDR, Elanda, ELDR, Elanda, CERR, Chermushki, CERR, Chermushki, SALR, Pechorkino, Sa, SALR, Pechorkino, ZAAO, Zalesovo Array, ZAAO, Ulagan, Altay, ULGR, Ulagan, ULGR, Teeli, TEL, AKAR, Akdash, AKAR, Akdash, CHBI, Chibit, Altay, CHBI, Chibit, KURK, Kurchatov, KURK, Kurchatov, KURBB, Kurchatov Arra, MK31, Mankanchi Array, MK31, Mankanchi Array.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for YALR, ERU, VCHU, VEH, KOTO, GALT, BJR3, BJR3, BJR4, POMOR, BJR1, DJO, ELDR, ELDR, CERR, CERR, SALR, SALR, ZAAO, ZAAO, ULGR, ULGR, ULGR, TEL, AKAR, AKAR, CHBI, CHBI, KURK, KURK, KURBB, MK31, MK31.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for YALR, ERU, VCHU, VEH, KOTO, GALT, BJR3, BJR3, BJR4, POMOR, BJR1, DJO, ELDR, ELDR, CERR, CERR, SALR, SALR, ZAAO, ZAAO, ULGR, ULGR, ULGR, TEL, AKAR, AKAR, CHBI, CHBI, KURK, KURK, KURBB, MK31, MK31.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for YALR, ERU, VCHU, VEH, KOTO, GALT, BJR3, BJR3, BJR4, POMOR, BJR1, DJO, ELDR, ELDR, CERR, CERR, SALR, SALR, ZAAO, ZAAO, ULGR, ULGR, ULGR, TEL, AKAR, AKAR, CHBI, CHBI, KURK, KURK, KURBB, MK31, MK31.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for YALR, ERU, VCHU, VEH, KOTO, GALT, BJR3, BJR3, BJR4, POMOR, BJR1, DJO, ELDR, ELDR, CERR, CERR, SALR, SALR, ZAAO, ZAAO, ULGR, ULGR, ULGR, TEL, AKAR, AKAR, CHBI, CHBI, KURK, KURK, KURBB, MK31, MK31.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for YALR, ERU, VCHU, VEH, KOTO, GALT, BJR3, BJR3, BJR4, POMOR, BJR1, DJO, ELDR, ELDR, CERR, CERR, SALR, SALR, ZAAO, ZAAO, ULGR, ULGR, ULGR, TEL, AKAR, AKAR, CHBI, CHBI, KURK, KURK, KURBB, MK31, MK31.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for YALR, ERU, VCHU, VEH, KOTO, GALT, BJR3, BJR3, BJR4, POMOR, BJR1, DJO, ELDR, ELDR, CERR, CERR, SALR, SALR, ZAAO, ZAAO, ULGR, ULGR, ULGR, TEL, AKAR, AKAR, CHBI, CHBI, KURK, KURK, KURBB, MK31, MK31.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for YALR, ERU, VCHU, VEH, KOTO, GALT, BJR3, BJR3, BJR4, POMOR, BJR1, DJO, ELDR, ELDR, CERR, CERR, SALR, SALR, ZAAO, ZAAO, ULGR, ULGR, ULGR, TEL, AKAR, AKAR, CHBI, CHBI, KURK, KURK, KURBB, MK31, MK31.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for YALR, ERU, VCHU, VEH, KOTO, GALT, BJR3, BJR3, BJR4, POMOR, BJR1, DJO, ELDR, ELDR, CERR, CERR, SALR, SALR, ZAAO, ZAAO, ULGR, ULGR, ULGR, TEL, AKAR, AKAR, CHBI, CHBI, KURK, KURK, KURBB, MK31, MK31.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for YALR, ERU, VCHU, VEH, KOTO, GALT, BJR3, BJR3, BJR4, POMOR, BJR1, DJO, ELDR, ELDR, CERR, CERR, SALR, SALR, ZAAO, ZAAO, ULGR, ULGR, ULGR, TEL, AKAR, AKAR, CHBI, CHBI, KURK, KURK, KURBB, MK31, MK31.





15d 16h

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like MID Middleton Isla, BMRM Bremner River, HARP HAARP, etc.

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Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like M17K, MLY Manley, I23K Minto, etc.

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Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like SKAG Skagway, SKAG Skagway, M31M Drury Creek, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Az, Az2, Phase ID, Time, Res, Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like CCCA, LCMT, PV22, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Az, Az2, Phase ID, Time, Res, Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like AKASG, AKASG, AKASG, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Az, Az2, Phase ID, Time, Res, Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like ASAR, ASAR, ASAR, etc.





Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like URZ, RIGZ, MTHZ, ARHZ, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like CELP, AOPR, AGPR, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like MAGL, DLSB, GDSB, etc.

IDC 15 18:06:30.7-2.6, 17.80N-67.06W, h0km, mb3.6/6, mbtm3.6/6, MS2.9/1, Error ellipse: s-maj=80.9km

NEIC 15 18:06:31.1, 17.76N-67.03W, h10km

PTWC 15 18:06:33, 17.90N-66.90W, M14.2/21

NEIC 15 18:06:33.5, 17.98N-67.03W, M14.2/21

h10km, 1km, mb3.9/5, M14.2/21, Mw3.8/22

M3.8/17(RSPR), Error ellipse: s-maj=5.6km s-min=2.7km

az=0.0, Moment Tensor Solution, Moment tensor: Scale

1014Nm; Mw:0.04; M0:1.00; M1:1.04; M2:2.1; M3:6.04;

Mw:0.05; Fault plane solution: Mw6.51000x10^14 Np1;

delta.94.99000°, delta.88.88000°, lambda.81.81000°, NP2=6.458000°,

phi.70.19000°, lambda.17.81000°. Principal axes: T: 6.5373,

Az15.0000°, Azm322.0000°; N -0.0528, Plg70.0000°,

Pg198.0000°; P -6.4845, Plg13.0000°, Azm228.0000°;

OSPL 15 18:06:34.9-0.6, 17.94N-66.95W, h0km, mb3.9km, M3.8,

Presumed earthquake

RSPR 15 18:06:34.2, 17.94N-66.98W, h10km, M3.8/17

SDD 15 18:06:34.2, 17.91N-66.99W, h12km, M3.8,

M3.9, MW4.0, Presumed earthquake

ISC 15 18:06:33.0-0.8, 17.88N-0.04-66.98W, h0km, mb3.4km,

n127, s121/149, mb3.8/8, 16C-14D, Puerto Rico region

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like MLPR, GBRP, PRSN, etc.

comp=N, 1.89nm, 0.3s, baz=252, slow=17, SNR=176

comp=N, 651nm, 0.3s, baz=11, slow=19, SNR=22

comp=N, 1.13nm, 0.4s, baz=1, slow=19, SNR=22

comp=N, 1.31nm, 0.7s, baz=1, slow=19, SNR=22

comp=N, 2.43nm, 0.7s, baz=1, slow=19, SNR=22

comp=N, 2.1nm, 0.8s, baz=1, slow=19, SNR=22

comp=N, 1.1nm, 0.7s, baz=1, slow=19, SNR=22

comp=N, 2.1nm, 0.8s, baz=1, slow=19, SNR=22

comp=N, 1.1nm, 0.7s, baz=1, slow=19, SNR=22

comp=N, 2.1nm, 0.8s, baz=1, slow=19, SNR=22

comp=N, 1.1nm, 0.7s, baz=1, slow=19, SNR=22

comp=N, 2.1nm, 0.8s, baz=1, slow=19, SNR=22

comp=N, 1.1nm, 0.7s, baz=1, slow=19, SNR=22

comp=N, 2.1nm, 0.8s, baz=1, slow=19, SNR=22

comp=N, 1.1nm, 0.7s, baz=1, slow=19, SNR=22

comp=N, 2.1nm, 0.8s, baz=1, slow=19, SNR=22

comp=N, 1.1nm, 0.7s, baz=1, slow=19, SNR=22

comp=N, 2.1nm, 0.8s, baz=1, slow=19, SNR=22

comp=N, 1.1nm, 0.7s, baz=1, slow=19, SNR=22

comp=N, 2.1nm, 0.8s, baz=1, slow=19, SNR=22

comp=N, 1.1nm, 0.7s, baz=1, slow=19, SNR=22

comp=N, 2.1nm, 0.8s, baz=1, slow=19, SNR=22

comp=N, 1.1nm, 0.7s, baz=1, slow=19, SNR=22

comp=N, 2.1nm, 0.8s, baz=1, slow=19, SNR=22

IDC 15 18:07:51.6-1.0, 60.48S-19.23W, h0km, mb4.1/6,

mbtm4.1/7, M1.4/2.1, MS3.2/4, Error ellipse: s-maj=30.6km

s-min=20.4km az=71.0

ISC 15 18:07:52.6-1.0, 60.7S-19.1W, h0km, mb4.1/6,

c147.1/1, mb4.2/4, MS3.4/3, 3D, East of South Sandwich

Islands

Code Station Name Azimuth Elevation SNR

VNA1 Neumayer-Stat 10.97 161 P Pn 18 10 28.0 -1.3

VNA3 Neumayer Olymp 11.29 164 P Sn 18 10 29.4 -4.0

VNA2 Neumayer-Stat 11.35 160 P Pn 18 10 32.7 -1.9

SNA3 Snares 12.80 156 P Pn 18 10 52.7 -1.7

SNA4 Snares 12.80 156 Pn 18 10 54.7 +0.2

SNA5 Snares 12.80 156 Pn 18 12 59.0 -1.8

SNA6 Snares 12.80 156 Pn 18 15 11.7

SNA7 Snares 12.80 156 Pn 18 15 11.7

SNA8 Snares 12.80 156 Pn 18 15 11.7

SNA9 Snares 12.80 156 Pn 18 15 11.7

SNA10 Snares 12.80 156 Pn 18 15 11.7

SNA11 Snares 12.80 156 Pn 18 15 11.7

SNA12 Snares 12.80 156 Pn 18 15 11.7

SNA13 Snares 12.80 156 Pn 18 15 11.7

SNA14 Snares 12.80 156 Pn 18 15 11.7

SNA15 Snares 12.80 156 Pn 18 15 11.7

SNA16 Snares 12.80 156 Pn 18 15 11.7

SNA17 Snares 12.80 156 Pn 18 15 11.7





Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ARTI, AB31, ABKAR, AKTO, YAK, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MT04, MT04, MT08, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DPC, VRAC, VRAC, etc.

SJA 15:20:22:16.0,0.8,32.585:71.65W,h37km,ML3.4,MW3.6

GUC 15:20:22:18.0,0.8,32.615:71.55W,h52km,3km,ML3.7

Presumed earthquake

ISC 15:20:22:17.9,1.0,32.585:71.57W,0.05,h48km,9km, m6.3, r155/84,140,Near coast of central Chile

CFA Coronel Fontan 2.99 72 P Pn

CFA Coronel Fontan 2.99 72 P Pn

CFA Coronel Fontan 2.99 72 P Pn

CFA Coronel Fontan 2.99 72 P Pn

TRN 15:20:32:23.9,17.64N-59.78W,h56km,MD3.9,Far East of Barbuda, Leeward Islands

ANWB Willy Bob 1.91 271 eP Pn

ANWB Willy Bob 1.91 271 eP Pn

ANWB Willy Bob 1.91 271 eP Pn

MEX 15:20:36:23.1±0.6,19.30N-102.16W,h11km±17km, Presumed earthquake, Michoacan

INCO Volcan de Coli 1.38 280 Op Pn

INCO Volcan de Coli 1.38 280 Op Pn

INCO Volcan de Coli 1.38 280 Op Pn

MEX 15:20:36:41.7±0.6,17.45N-97.35W,h64km±4km,MD4.0, Presumed earthquake, Oaxaca

TXIG Tlaxiaco 0.44 243 Op Pn

TXIG Tlaxiaco 0.44 243 Op Pn

TXIG Tlaxiaco 0.44 243 Op Pn

VIE 15:20:25:48.9,0.4,50.21N-19.01E,h0km,mb2.5/3,m2.2/3, Error ellipse: s-maj=7.1km s-min=2.0km az=168.0 3 km SE of Katowice Suspected Mining induced.

IPCC 15:20:25:48.9,0.2,50.21N-19.04E,h1km,ML2.5/6, Error ellipse: s-maj=1.8km s-min=0.8km az=1=1

PRU 15:20:25:49.5,50.21N-19.01E,h0km

ISC 15:20:25:48.8,0.9,50.21N-19.01E,0.02,h0km,m2.7, r075/49,Poland

Code Station Name Az Phase ID Time Res

QJC Ojcow 0.51 89 Op Pn

QJC Ojcow 0.51 89 Op Pn

QJC Ojcow 0.51 89 Op Pn

QJC Ojcow 0.51 89 Op Pn

MGIG Malinaltepec 1.24 260 eP Pn

MGIG Malinaltepec 1.24 260 eP Pn

MGIG Malinaltepec 1.24 260 eP Pn

MGIG Malinaltepec 1.24 260 eP Pn

MGIG Malinaltepec 1.24 260 eP Pn

MGIG Malinaltepec 1.24 260 eP Pn

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MGIG Malinaltepec 1.24 260 eP Pn

MGIG Malinaltepec 1.24 260 eP Pn

MGIG Malinaltepec 1.24 260 eP Pn

MGIG Malinaltepec 1.24 260 eP Pn

CAIG El Cayaco 2.81 262 eP Pn 20 37 22.1 -2.2
CAIG eS Sn 20 37 52.7 -4.4

IDC 15 20:56:52.7, 1.2, 24.07S:69.16E, h0km, mb3.8/10,
mbmp3.8/10, MS3.4/6, Error ellipse: s-maj=40.5km
s-min=23.7km az=67.0

ISC 15 20:56:54.4, 1.2, 24.1S:0.2692E:0.3, h10km, n22,
+08710, mb3.8/10, MS3.5/6, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, ISC. Lists stations like H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, etc.

CATAC 15 21:22:10.0, 0.7, 11.1N:3.87W, h26km, 7km, M3.5/22,
ML3.5/22, 10C-57.8, Error ellipse: s-maj=6.4km
s-min=4.2km az=37.8, confirmed, Off coast of Costa Rica

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, ISC. Lists stations like NANN Nandasmo, MASN Masaya, MASN AI N del Volca, etc.

PLV 15 21:31:03.6, 2.3, 20.92N:104.75E, h2km, 11km, ML3.7,
Presumed earthquake

BKK 15 21:31:13.0, 0.6, 21.1N:4.10E, h10km, M4.1/11,
Mjma4.1/10, ML4.3/11, MLV4.0/10

ISC 15 21:31:03.5, 1.1, 20.89N:105.04W:0.05, h8km, 10km,
n10, c139/13, Laos

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, ISC. Lists stations like MCVV Moc Chau, HBVN Hoa-Binh, HBVN H Ong, etc.

NEIC 15 21:40:56.6, 1.5, 35.13N:0.04:89.04W:0.01, h10km, 2km,
mb3.9/5, Mw4.0/24, Error ellipse: s-maj=6.1km
s-min=3.0km az=166, Moment Tensor Solution.

Mw0.14; Mw-0.48; Mw1.04; Mw0.92; Fault plane solution:
Mo1.47000x1015 NP1.174.93000, 885.52000,
lambda-138.54000, NP2.80.99000, 648.70000, lambda-9.97000,
Principal axes: T 1.2298, Plg24.0000, Azm300.0000;
N 0.3923, Plg48.0000, Azm180.0000; P -1.6220,
Plg31.0000, Azm47.0000;

NEIC 15 21:40:56.7, 1.5, 35.13N:0.04:89.05W, h10km
GCG 15 21:40:56.3, 2.1, 15.31N:89.04W, h6km, 21km, MD4.6,
ML4.8, Presumed earthquake

SNET 15 21:40:57.1, 1.6, 15.28N:89.04W, h6km, 18km, ML4.2,
Presumed earthquake

CATAC 15 21:40:58.0, 2.2, 15.33N:1.0:8.9W, h1km, M4.5/37,
mb4.7/1, MLV4.5/37, Mw(mb)4.0/1, Error ellipse:
s-maj=2.4km s-min=2.0km az=53.4, Moment Tensor
Solution. Moment tensor: Scale 10^19Nm; Mr=0.72;
Mw=0.87; Mo=1.64; Mo0.1; Mw0.59; Mw=0.72; Fault
plane solution: Mo1.70488x1015 NP1.337.97794,
delta3.56948, lambda-138.86496, NP2.234.10075,
delta0.87811, lambda-21.38247, Principal axes: T 1.9460,
Plg14.2503, Azm101.3088; N -0.7153, Plg46.2534,
Azm35.9220; P -1.2307, Plg40.2536, Azm203.7261;

ISC 15 21:40:55.5, 1.1, 15.27N:0.02:89.01W:0.02, h11km, 9km,
n90, c124/122, 1D, Guatemala

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, ISC. Lists stations like IZABA Izabal, Puerto, IZABA Izabal, Puerto, ZAFRZ Estanzuela, Za, etc.

LFU La Fuente 1.52 184 eP Pp 21 41 24.2 +0.4
PIC2 El Picacho 1.54 189 eP Pp 21 41 25.0 -0.1
SBSL San Blas 1.54 203 eP Pp 21 41 24.3 0.0
BOQS Boqueron 1.55 190 eP Pp 21 41 24.9 +0.5
NUBE Las Nubes 1.55 209 eP Pp 21 41 24.8 +0.4

NUBE Las Nubes 1.55 209 i P Pp 21 41 23.7 +0.4
NUBE Las Nubes 1.55 209 eP Pp 21 41 24.4 0.0
NUBE Las Nubes 1.55 202 eP Pp 21 41 25.2 -0.2
CEVE Cerro Verde 1.55 202 S Sg 21 41 27.9 +2.4

UEES Universidad Ev 1.56 188 P Pp 21 41 25.2 -0.4
UEES Universidad Ev 1.56 188 S Sg 21 41 25.1 +0.4
UEES Universidad Ev 1.56 188 eP Pp 21 41 25.1 -0.4
PMON Piamonte 1.58 191 P Pp 21 41 25.3 +0.4

LOMA Loma Larga 1.62 185 S Sg 21 41 28.5 +2.1
LOMA Loma Larga 1.62 185 eP Pp 21 41 28.5 +0.3
LOMA Loma Larga 1.62 185 eP Pp 21 41 28.7 +0.8
LFRS El Faro 1.64 182 eP Pp 21 41 26.4 +0.5

COEG Centro de Oper 1.65 175 P Pp 21 41 26.7 -0.5
COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5
COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5

COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5
COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5
COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5

COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5
COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5
COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5

COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5
COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5
COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5

COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5
COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5
COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5

COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5
COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5
COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5

COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5
COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5
COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5

COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5
COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5
COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5

COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5
COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5
COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5

COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5
COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5
COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5

COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5
COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5
COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5

COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5
COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5
COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5

COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5
COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5
COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5

COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5
COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5
COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5

COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5
COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5
COEG Centro de Oper 1.65 175 eP Pp 21 41 26.7 -0.5

JUD3 Juan Diaz 3 6.10 146 Pn Pn 21 42 27.5 +1.6
SOR Soroa 9.39 36 P Pn 21 43 12.0 +1.1
SDV Santo Domingo 19.05 107 P Pn 21 45 19.4 +0.4

TXAR Lajitas Array 19.46 318 P Pn 21 45 22.0 -0.4
TX31 Lajitas Ar. Si 19.46 318 P Pn 21 45 21.8 -0.7
TX31 comp=Z,8.2nm,1.5s IAmB 21 45 32.3

ABTX Abilene, Hawle 19.80 333 P P 21 45 26.0 -0.1
ABTX comp=Z,6.3nm,0.8s IAmB 21 45 37.2

129A Stewart Farms, 20.86 328 P IAmB 21 45 37.5 -0.3
129A comp=Z,7.8nm,1.3s IAmB 21 45 44.3

IDC 15 21:58:06.2, 1.3, 8.44S: 110.80E, h0km, mb3.5/4,
mbmp3.5/5, ML3.6/1, MS2.9/2, Error ellipse: s-maj=56.0km
s-min=16.2km az=31.0

DJA 15 21:58:09.3, 1.0, 9.9S: 110.0E, h32km, 30km, M3.9/19,
MLV3.9/19

ISC 15 21:58:06.8, 1.3, 9.65S: 110.69E:0.06, h35km, n25,
c217/22, mb3.3/4, South of Java

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, ISC. Lists stations like UGM Wanaagama, UGM Yogyakarta, UGM Yogyakarta, etc.

LEM 2.0m, 0.3s, baz=131, slow=9.8, SNR=5.3
LEM comp=Z,309nm, 18.4s, baz=178, slow=44
34nm, 0.6s

LEM Kappang 10.96 66 LR AML LR 22 04 58.4
comp=Z,35nm, 18.3s, baz=277, slow=43

WRA Warrungga Arr 25.92 116 P 22 03 36.9 +0.9
1.1nm, 0.9s, baz=290, slow=9.4, SNR=8.8

ASAR Alice Springs 27.03 124 P 22 03 48.0 +2.0
0.6nm, 0.9s, baz=300, slow=9.1, SNR=4.1

SONM Songino Array 57.25 357 P 22 07 47.3 -2.3
0.1nm, 0.4s, baz=164, slow=5.7, SNR=1.9

H04N2 CROZET ISLANDS 61.09 222 T T 23 16 48.0
comp=Z,67, slow=76, SNR=39

H04N1 CROZET ISLANDS 61.1 222 T T 23 16 46.6
comp=Z,67, slow=76, SNR=40

H04N3 CROZET ISLANDS 61.1 222 T T 23 16 45.4
comp=Z,67, slow=76, SNR=40

H04S1 CROZET ISLANDS 61.2 221 T T 23 17 01.1
comp=Z,67, slow=76, SNR=8.9

MKAR Makanchi Array 61.23 339 P 22 08 18.5 +0.2
0.4nm, 0.6s, baz=156, slow=8.2, SNR=6.4

H04S3 CROZET ISLANDS 61.24 222 T T 23 16 59.8
comp=Z,67, slow=76, SNR=13

H04S2 CROZET ISLANDS 61.24 221 T T 23 17 00.0
comp=Z,67, slow=76, SNR=9.6

BUI 15 22:06:21.0, 3.90S: 100.17E, h10km, mb5.0/4, mb4.6/37
IDC 15 22:06:26.9, 0.9, 3.19S: 100.35E, h0km, mb4.3/19,
mbmp4.4/21, ML4.4/2, MS3.6/9, Error ellipse:
s-maj=30.8km s-min=12.6km az=49.0

GFZ 15 22:06:27.1, 0.4, 3.9S: 100.17E, h10km, M4.5/28,
mb4.6/28, Error ellipse: s-maj=12.4km s-min=3.9km
az=46.4, confirmed

NEIC 15 22:06:28.5, 1.9, 3.32S: 0.08: 100.18E: 0.10, h10km, 1km,
mb2.6/16, Error ellipse: s-maj=21.7km s-min=3.0km
az=22.0

DJA 15 22:06:30.8, 1.2, 3.3S: 100.17E, h31km, 19km, M4.7/32,
mb5.9/2, mb4.7/8, MLV4.6/32, Mw(mb)5.5/2

ISC 15 22:06:27.5, 0.6, 3.35S: 0.08: 100.17E: 0.08, h10km, n126,
c099/108, mb4.5/43, MS3.9/9, 2D, Southern Sumatara

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, ISC. Lists stations like KRJI Kerinci, KRJI Kerinci, MASI Maura Aman, Be, etc.







16d Oh

Table with columns: Code, Name, Time, Status, and other details. Includes entries like BDFB Brasilia, CLDB Colider, etc.

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Table with columns: Code, Name, Time, Status, and other details. Includes entries like PBEJ Monteiro, MOE Monteiro, etc.

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Table with columns: Code, Name, Time, Status, and other details. Includes entries like S57A Dark Hollow, R Fletcher, etc.



16d Oh

Table with columns for call sign, name, frequency, and other details. Includes stations like FNO Franklin, RONA Rosalia, ADOK Arcadia, etc.

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Table with columns for call sign, name, frequency, and other details. Includes stations like SCO Scoresbysund, BZS Buzas, GKI Gorka Klasztor, etc.

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Table with columns for call sign, name, frequency, and other details. Includes stations like LKQWB Lokgwabe, BOSR Bodos, VHRN Van Horn, etc.



Table with columns: Code, Station Name, Az, El, Pmax, P, and various numerical values. Includes stations like BEKR, Columbia Colle, CMB, Liberty, Pine Mountain, etc.

Table with columns: Code, Station Name, Az, El, Pmax, P, and various numerical values. Includes stations like BORK Borovoye, QSPA South Pole Qui, KURBB Kurchatov, etc.

Table with columns: Code, Station Name, Az, El, Pmax, P, and various numerical values. Includes stations like BNX BinXian, AS31 Alice Springs, HILR Hailar, etc.

Text block containing station identifiers and coordinates: IDC 16 00:27:39.7, 0.5, 10.30N, 122.13E, h0km, mb4.0/20, etc.

Text block containing station identifiers and coordinates: Code Station Name Az El Pmax P, including GUM Jordan, GUIM Cadiz City, etc.

Text block containing station identifiers and coordinates: Code Station Name Az El Pmax P, including GUM Jordan, GUIM Cadiz City, etc.

Text block containing station identifiers and coordinates: Code Station Name Az El Pmax P, including GUM Jordan, GUIM Cadiz City, etc.

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Text block containing station identifiers and coordinates: Code Station Name Az El Pmax P, including GUM Jordan, GUIM Cadiz City, etc.

Text block containing station identifiers and coordinates: Code Station Name Az El Pmax P, including GUM Jordan, GUIM Cadiz City, etc.



Ms4.4/14, Ms7.4.1/14  
ISC 1600:32:42.5:1.4, 10.48N:003:122:20E:0.03, h14km,q9km,  
n152, r160/152, mb4.7/52, MS3.9/23, 2C, Panay

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists various stations like GUIM, CADP, IBAJ, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists various stations like WRA, WR0, WRD, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists various stations like BARN, G29M, H29M, etc.

NOU 16:00:33:17.1, 10.85S:161:65E, h0km, mb4.7/13, Solomon Islands, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists various stations like HURO, HNR, NGOA, etc.

IDC 16:00:38:28.7:4.8, 40°12'N:141°69'E, h0km, mb4.0/4, mbtmp3.9/5, ML2.3/1, MS3.8/2, Error ellipse: s-maj=103.3km s-min=27.8km az=101.0

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists various stations like MJAR, H1N2, H1N1, etc.

IDC 16:00:41:59.3:0.6, 10.40N:122:23E, h0km, mb4.0/19, mbtmp4.0/19, MS3.4/4, Error ellipse: s-maj=28.6km

16d 0h

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Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like Puerto Princes, Zamboanga City, Tagaytay City, etc.

ADC 16 00:58:48.4u.1.1, 36°65N:5°30W, h0km, mb4.1/10, mbltmp4.0/15, ML3.5/S, MS2.9/S, Error ellipse: s-maj=31.1km s-min=9.8km az=97.0, GFZ 16 00:58:50.8u.0.3, 37°N:3°E, h22km, M4.3/14, mb4.3/14, NEIC 16 00:58:51.9u.0.9, 36°64N:0°05:5.36W:0.06, h24km, 5km, mb4.1/8, Mwr3.9/14, Error ellipse: s-maj=7.2km s-min=6.6km az=128.0, Moment Tensor Solution, Minimum tensor: Scale 10^14Nm; Mw:6.89; Mw-2.19; Mw-4.70; Mw-1.36; Mw-5.92; Mw-1.87; Fault plane solution: M3.81000x10^14Nm; P1:3220.59000; S3:7.14000; L2:2.44000; N2:3.76300; NP:2.90000; L3:1.60000; Principal axes: T=2.720, Pg82.0000; Azm298.0000; N=2.5986, Plg1.0000; Z=7.2139,0000; P=-9.8156, Plg8.0000; Azm129.0000; SFS 16 00:58:51.8, 36°65N:5°42W, h9km, mb4.5/6, ML4.4/29, ML4.5/29, MLv4.2/28, NEIC 16 00:58:52.3, 36°65N:5°38W, h23km, IGIL 16 00:58:52.3, 36°60N:5°43W, h15km, ML4.0, CNRM 16 00:58:52.9, 36°59N:5°58W, h95km, ML3.7, MDD 16 00:58:52.4u.0.1, 36°62N:5°41W, h20km, mb 1.74/3.888, Error ellipse: s-maj=1.1km s-min=0.9km az=174.0, INMG 16 00:58:52.1, 1.7, 36°62N:5°42W, h17km, 2km, ML4.0, Error ellipse: s-maj=1.5km s-min=1.4km az=30.0, #DIST. RANGE: REGIONAL #IPMA\_REGION: N Gibraltar (ESP) ISC 16 00:58:51.4u.0.8, 36°63N:0°02:540W.0.01, h24km, 6km, n292, e1993/500, mb4.3/24, MS3.3/3, 13C-22D, Strait of

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like Jimena de la F, Espera, Moron de la Fr, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like Quesada, Castro Verde, Melilla, Beja, Badajoz, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like Sonseca Array, JBK, Montargil, ZHG, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like Mosqueruela, Calabor, Cabril, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like MOA, GERES, KHC, etc.

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16d 0h



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Barentsburg B, Spitsbergen Ar, and Omega.

IDC 16 03:27:49.9, 1.8, 27.68N, 101.06E, h0km, mb3.4/2, mblmp3.5/3, ML4.2/1, Error ellipse: s-maj=59.7km

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CMAR, MKAR, and WRA.

IDC 16 04:23:22.9, 1.2, 0.13S, 130.11E, h0km, mb3.7/5, mblmp3.8/6, ML3.4/1, MS3.1/7, Error ellipse: s-maj=36.7km

DJA 16 04:23:24.9, 0.2, 0.3, 3\*13.0E, h10km, M4.3/19, mB5.7/3, mb4.5/7, MLV4.1/19, Mw(MB)5.2/3

IDC 16 04:23:28.3, 1.0, 0.2S, 0.1, 130.13E, 0.07, h41km, n20, s=236/17, mb3.9/4, MS3.1/4, Irian Jaya region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SIJI, SIJU, WRA, FITZ, and QSPA.

MEX 16 04:35:59.7, 1.2, 14.60N, 93.91W, h8km, 20km, MD4.2, Presumed earthquake

ISC 16 04:36:00.2, 1.4, 14.59N, 0.07, 93.86W, 0.03, h30km, n26, s=169/44, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like THIG, PATR, PAVE, CHUU, and others.

IDC 16 04:59:40.5, 1.4, 26.51N, 101.90E, h0km, mb3.4/5, mblmp3.4/5, MS3.1/1, Error ellipse: s-maj=81.9km

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SONM, MKAR, KURBB, and WRA.

AFAD 16 05:05:20.9, 38.38N, 44.42E, h6km, 4km, ML2.7

AZER 16 05:05:21.1, 38.44N, 44.54E, h5km, ml2.8

ISK 16 05:05:23.7, 38.43N, 44.44E, h60km, ML2.7/3

TEH 16 05:05:24.4, 38.37N, 44.68E, h8km, 111km, ML2.8, Presumed earthquake

ISC 16 05:05:20.4, 1.1, 38.39N, 0.03, 44.49E, 0.02, h12km, 10km, n29, s=203/48, Turkey-Iran border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like OZAP, YOVA, TVAN, VANB, and others.

SSNC 16 05:05:53.5, 0.3, 19.93N, 76.38W, h0km, MD0.8, ML0.7, Presumed earthquake, Cuba region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CHIV, CHIV, and YAR.

SSNC 16 05:06:50.8, 1.1, 19.91N, 76.39W, h2km, 3km, MD1.9, ML1.1, 1C-3D, Presumed earthquake, Cuba region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CHIV, CHIV, and YAR.

IDC 16 05:42:23.4, 1.6, 61.58N, 3.38E, h0km, mblmp3.5/5, ML3.1/5, Error ellipse: s-maj=22.8km s-min=11.3km

NAO 16 05:42:26.0, 2.0, 61.69N, 3.34E, h10km, ML2.8

BER 16 05:42:26.8, 2.5, 61.63N, 3.27E, h20km, 4km, ML2.9, ML2.8(NAO), Confirmed Earthquake

UPP 16 05:42:28.4, 2.9, 61.35N, 3.95E, h0km, ML2.5, Presumed earthquake

KOLA 16 05:42:30.5, 62.38N, 2.19E, h0km, Norwegian sea

ISC 16 05:42:23.5, 1.3, 61.67N, 0.03, 3.10E, 0.04, h31km, 11km, n108, s=254/194, Norwegian Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FOO, SUE, BAS02, and others.















Table with columns: Station, Frequency, Mode, Power, SNR, and other metrics. Includes stations like LZH Lanzhou, KIRV Kirov, ANN Anapa, KOD Kodakinal, etc.

Table with columns: Station, Frequency, Mode, Power, SNR, and other metrics. Includes stations like SLVN Son La, ENH Enshi, ENH Enshi, ENH Enshi, etc.

Table with columns: Station, Frequency, Mode, Power, SNR, and other metrics. Includes stations like IDI Anoyia, IDI Anoyia, KOLS Kolonic sedl, KOLS Kolonic sedl, etc.



Table with columns for station call letters, frequency, power, and other technical details. Includes stations like DEL, OBKA, JETT, MOA, LUNU, GERES, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like USRK, USRSK, MOL, TUE, AKN, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KAPI, KAPPANG, MESJ, MESJA, etc.

16d 10h

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like EYK Eagle Plains, TSUM Tsumeb, etc.

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Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like PDAR Pinedale Array, TXAR Lajitas Array, etc.

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Table with columns: Code, Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like NIED 16:10:15.13.3.17N, JSJ Shimokoshi, etc.

Table with columns: Code, Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like PRE 16:10:20.17.6.0.3.26, CRLN Carolina, etc.

Table with columns: Code, Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like IDC 16:10:31.1.9.508.0, I43RU DUBNA INFRASON, etc.

Table with columns: Code, Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like AEIC 16:10:39.14.1.1.7.69, C27K Jago River, etc.

E21K	comp=N,61nm,1.0s	IAML		10 41 19.5
E21K		IAML		10 41 27.9
C21K	comp=E,68nm,0.9s		Pn	10 40 13.3 +1.2
F30M	Knifedale Rd		Pn	10 40 14.6 +2.1
F30M	Barrier River		IAML	10 41 24.2
F30M	comp=E,66nm,0.9s	IAML		10 41 25.3
A22K	comp=N,63nm,1.1s		Pn	10 40 15.4 +0.8
H24K	Noodor Dome		IAML	10 41 22.1
H24K	comp=N,45nm,0.7s		IAML	10 41 27.7
G30M	comp=E,57nm,1.2s		IAML	10 41 32.4
G30M	comp=N,50nm,0.9s		IAML	10 41 39.8
PRP	Porcupine Dome		IAML	10 41 09.1
PRP	comp=N,52nm,0.8s		IAML	10 41 09.5
H29M	Whitestone		IAML	10 41 14.6
F21K	Alatina River		Pn	10 40 18.6 +1.5
F21K	Alatina River		IAML	10 41 33.5
I27K	Kandik River		Pn	10 40 19.8 +2.3
INK	Inuvik		Pn	10 40 18.9 +0.6
INK	comp=E,0.3nm,0.3s,baz=267,slow=19,SNR=23		Lg	10 41 06.5
INK	comp=E,2.0nm,0.3s,baz=225,slow=19,SNR=7.7		Lg	
INK	comp=E,1.7nm,0.3s	AML	AML	
H25K	Yukon River		Pn	10 40 19.3 +1.0
H25K	Coal Creek		Pn	10 40 20.0 +1.1
EPYK	Eagle Plains		Pn	10 40 21.9 +2.1
D20K	Etiulik River		Pn	10 40 23.9 +1.6
D20K	Etiulik River		IAML	10 41 55.2
D20K	comp=E,41nm,1.3s		IAML	10 42 05.0
E20K	Nigu River		Pn	10 40 24.1 +1.7
I28M	Miner Creek		Pn	10 40 24.4 +1.9
I28M	Miner Creek		IAML	10 41 42.0
H22K	Ishlaltina Cre		Pn	10 40 24.4 +1.4
H22K	Ishlaltina Cre		IAML	10 41 46.9
G21K	Allakaket		Pn	10 40 24.7 +0.9
G21K	Allakaket		IAML	10 41 50.8
G21K	comp=N,41nm,1.3s		IAML	10 40 26.2 +2.1
POKR	Poker Plat Res		IAML	10 41 23.3
POKR	Poker Plat Res		IAML	10 41 51.0
G31M	Satah River		Pn	10 40 26.0 +1.4
I29M	Ogilvie Creek		IAML	10 41 25.5
I29M	comp=N,32nm,1.4s		IAML	10 41 52.9
IL31	Eielson Array		Pn	10 40 29.9 +1.9
ILAR	Eielson Array		Pn	10 40 30.5 +2.4
ILAR	comp=N,0.9nm,0.3s,baz=7.3,slow=14,SNR=38		Lg	10 41 28.1
ILAR	comp=N,2.0nm,0.3s,baz=14,slow=16,SNR=6.5		Lg	
ILAR	comp=N,1.9nm,0.5s	AML	AML	
J25K	Salcha River		Pn	10 40 31.1 +1.9
J25K	Salcha River		IAML	10 42 02.4
IM01	Indian Mountai		Pn	10 40 30.5 +0.6
H21K	Melozitna Rive		Pn	10 40 32.1 +1.8
H21K	Melozitna Rive		IAML	10 41 59.8
H21K	comp=E,25nm,0.4s		IAML	10 42 03.5
D19K	Kuna River		Pn	10 40 31.6 +1.2
D19K	Kuna River		IAML	10 42 18.7
CCB	Clear Creek		IAML	10 42 11.8
CCB	comp=E,18nm,0.7s		IAML	10 42 11.8
PS08	TAPS Pump Str8		Pn	10 40 32.7 +1.6
MLY	Manley		Pn	10 40 32.6 +0.9
E19K	Redstone Rive		IAML	10 40 32.8 +0.9
E19K	Redstone Rive		IAML	10 42 24.2
HDA	Harding Lake		Pn	10 40 35.4 +2.4
HDA	Harding Lake		IAML	10 42 11.9
NEA2	Nenana		Pn	10 40 35.1 +1.4
NEA2	Nenana		IAML	10 41 37.8
WRH	Wood River Hill		Pn	10 40 35.4 +1.8
WRH	Wood River Hill		IAML	10 42 08.8
WRH	comp=N,18nm,0.9s		IAML	10 42 08.8
I30M	Mount Dempster		Pn	10 40 35.8 +1.2
I30M	Mount Dempster		IAML	10 41 38.6
I30M	comp=E,21nm,0.4s		IAML	10 41 39.2
H31M	Peel River		Pn	10 40 35.9 +0.8
H31M	Peel River		IAML	10 42 10.4
H31M	comp=E,18nm,0.8s		IAML	10 42 17.0
C19K	Lookout Ridge		Pn	10 40 36.6 +1.2
S18K	Sand Creek		Pn	10 40 40.4 +2.5
K27K	Chicken		Pn	10 40 40.6 +2.5
F19K	Shaluckick Mo		Pn	10 40 40.5 +1.5
H20K	Antoleneaga Mo		Pn	10 40 40.4 +1.5
K24K	Donnelly Dome		Pn	10 40 43.3 +2.8
R1D0	Independet Ri		Pn	10 40 43.2 +2.7
DAWY	Dawson		Pn	10 40 43.7 +2.3
G19K	Purcell Mounta		Pn	10 40 42.4 +0.6
J30M	Hot River		Pn	10 40 43.1 +0.7
DOT	Dot Lake		Pn	10 40 44.2 +1.9
EPAW	Bear Paw Mtn.		Pn	10 40 45.6 +1.6
C18K	Utukuk River		Pn	10 40 45.2 +0.5
G18K	Tagagavik		Pn	10 40 51.8 +1.1
KTH	Kantishna Hill		Pn	10 40 52.3 +1.4
TRF	Thorofore Moun		Pn	10 40 52.7 +1.7
L26K	Log Cabin Wild		Pn	10 40 52.9 +1.8
EC01	Beaver Creek A		Pn	10 40 53.2 +2.2
J20K	Nowitza River		Pn	10 40 53.1 +1.9
PAX	Paxson		Pn	10 40 54.8 +2.9
A36M	Sachs Harbour		Pn	10 40 54.7 -0.3
RDOG	Red Dog Mine		Pn	10 40 55.4 -0.1
L29M	L29M		Pn	10 40 58.1 +1.7
D17K	Neatka River		Pn	10 40 57.7 +0.4
HARP	HAARP		Pn	10 41 01.6 +2.0
M27K	Edge Creek, AK		Pn	10 41 03.9 +2.7
PPLA	Purkeypile		Pn	10 41 03.9 +1.6
G17K	Kiwalik Mounta		Pn	10 41 04.1 +1.3
M29M	Somme Creek		Pn	10 41 06.7 +2.1
H17K	Granite Hill		Pn	10 41 06.7 +2.1
C16K	Lisborne Hills		Pn	10 41 06.7 +0.5
YUK2	White River		Pn	10 41 12.6 +2.6
L20K	Farewell, AK		Pn	10 41 13.2 +1.6
M20K	Styx River		Pn	10 41 19.6 +2.2
J17K	VAM Dome		Pn	10 41 18.2 +0.7
L19K	White Mountain		Pn	10 41 19.2 +1.2
N30M	Aishikik Lake		Pn	10 41 22.2 +2.2
MMPY	Sheldon Lake,		Pn	10 41 23.3 +1.9
L18K	Granite Mounta		Pn	10 41 24.4 +1.6
SPN	North Nagahsia		Pn	10 41 26.2 +3.1
YKA	Yellowknife Ar		Pn	10 42 27.4 -4.5
YKA	comp=N,0.2nm,0.3s,baz=311,slow=12,SNR=1.2		AML	
YKA	comp=N,1.0nm,0.6s		AML	
PDAR	Pinedale Array		P	10 45 46.6 +3.0
PDAR	comp=N,0.3nm,0.6s,baz=328,slow=5.3,SNR=4.6		P	
PDAR	comp=N,0.3nm,0.6s		P	

GUC 16 11:07:27.5,0.7,22'08S,68.65W,h102km,3km,ML3.4,  
Presumed earthquake  
ISC 16 11:07:27.3,1.3,22.08S,003.68,77W,0.05,h113km,8km,  
n33,r121/64,8C-2D,Northern Chile

Code	Station Name	Δ°	AZ°	Op	Phase ID	Time h:m:s	Res h:m:s	ISC
PB09	IPOC Station P	0.52	302	eP	ISC	11 07 44.7	-0.3	
PB09				eS	ISC	11 07 50.9	+0.6	
PB09				eS	IAML	11 07 58.8		
PB09	comp=N,2.0nm,0.3s							
PB09	IPOC Station P	0.52	302f	eP	Pn	11 07 44.6	-0.3	
PB09				eS	Pn	11 07 44.6	-0.3	
PB09				eS	Sn	11 07 59.1	-0.6	
PB09				eS	IAML	11 07 59.1		
PB03	IPOC Station P	0.92	272	eP	Pn	11 07 47.9	-0.2	
PB03				eS	Pn	11 08 04.8	+1.1	
PB03				eS	IAML	11 08 06.8		
PB03	comp=N,702nm,0.2s							
PB03	IPOC Station P	0.92	272f	eP	Pn	11 07 47.9	-0.2	
PB03				eS	Pn	11 08 04.2	+0.4	
PB03				eS	Sn	11 08 05.9		
PB06	IPOC Station P	0.97	230	eP	Pn	11 07 48.5	-0.2	
PB06				eS	Pn	11 08 05.9	+1.2	
PB06				eS	IAML	11 08 07.0		
PB06	comp=N,930nm,0.3s							
PB06	IPOC Station P	0.97	230f	eP	Pn	11 07 48.5	-0.2	
PB06				eS	Pn	11 08 05.3	+0.5	
PB06				eS	Sn	11 08 06.5		
AF01	San Pedro de A	1.03	148	eP	Pn	11 07 48.4	-1.0	
AF01				eS	Pn	11 08 27.3	+3.1	
AF01				eS	IAML	11 08 27.3		
AF01	comp=N,760nm,1.1s							
AF01	San Pedro de A	1.03	148f	eP	Pn	11 07 48.2	-1.2	
AF01				eS	Pn	11 08 03.3	-2.7	
AF01				eS	IAML	11 08 07.4		
PB07	IPOC Station P	1.10	288	eP	Pn	11 07 49.9	-0.1	
PB07				eS	Pn	11 08 08.2	+1.2	
PB07				eS	IAML	11 08 09.0		
PB07	comp=N,767nm,0.4s							
PB07	IPOC Station P	1.10	288f	eP	Pn	11 07 49.9	-0.1	
PB07				eS	Pn	11 08 07.4	+0.4	
PB07				eS	Sn	11 08 08.8		
PB07	comp=N,1.0nm,0.3s							
PB01	IPOC Station P	1.23	327f	eP	Pn	11 07 50.7	-0.6	
PB01				eS	Pn	11 08 09.3	-0.1	
PB01				eS	IAML	11 08 10.2		
PB01	comp=N,750nm,0.5s							
PB02	IPOC Station P	1.29	305	eP	Pn	11 07 46.5	-5.5	
PB02				eS	Pn	11 08 12.9	+0.9	
PB02				eS	Sn	11 08 11.3	+0.5	
PB02				eS	IAML	11 08 14.3		
PB02	comp=N,617nm,0.2s							
PB02	IPOC Station P	1.29	305f	eP	Pn	11 07 51.8	-0.2	
PB02				eS	Pn	11 08 10.7	-0.1	
PB02				eS	IAML	11 08 12.6		
PB05	IPOC Station P	1.54	240	eP	Pn	11 07 54.5	-0.4	
PB05				eS	Pn	11 08 16.8	+1.0	
PB05				eS	Sn	11 08 15.9	-0.4	
PB05				eS	Sn	11 08 16.3	+0.5	
PB08	IPOC Station P	1.96	349	eP	Pn	11 08 00.3	-0.1	
PB08				eS	Pn	11 08 26.8	+1.3	
PB08				eS	Sn	11 08 00.5	+0.1	
PB08				eS	Sn	11 08 26.4	+0.9	
TA01	Diego Aracena	2.00	319	eS	Pn	11 08 25.0	+0.1	
TA01	Diego Aracena	2.00	319	eS	Pn	11 08 25.6	+0.7	
TA01	Diego Aracena	2.00	319	eP	Pn	11 08 05.5	+0.1	
TA01	Diego Aracena	2.00	319	eS	Pn	11 08 25.4	-0.4	
TA01	Diego Aracena	2.00	319	eS	Pn	11 08 26.8		
PB10	IPOC Station P	2.18	229	eP	Pn	11 08 03.5	+0.7	
PB10				eS	Pn	11 08 28.1	-1.8	
PB10				eS	Sn	11 08 03.1	+0.3	
PB10				eS	Sn	11 08 27.9	-2.1	
PB10				eS	IAML	11 08 41.2		
PB10	comp=E,142nm,0.5s							
GO01	Huauquique	2.20	324	eS	Pn	11 08 30.3	-0.1	
GO01	Chusmiza	2.43	350	eP	Pn	11 08 06.6	+0.1	
GO01				eS	Pn	11 08 37.7	+1.3	
GO01				eS	Pn	11 08 06.3	-0.1	
GO01				eS	Pn	11 08 36.9	-0.1	
PB11	IPOC Station P	2.45	340	eP	Pn	11 08 05.4	-1.0	
PB11				eS	Pn	11 08 36.4	+0.1	
PB11				eS	Sn	11 08 37.6		
PB11	comp=N,117nm,0.1s							
PB11	IPOC Station P	2.45	340f	eP	Pn	11 08 05.3	-1.1	
PB11				eS	Pn	11 08 35.0	-1.4	
PSGCX	Pisagua	2.77	333	eP	Pn	11 08 08.8	-1.8	
PSGCX				eS	Pn	11 08 32.5	-1.1	
PSGCX				eS	Pn	11 08 08.4	-2.1	
PSGCX				eS	Pn	11 08 42.7	-1.1	
PSGCX				eS	Pn	11 08 42.9	-1.7	
PB14	IPOC Station P	2.95	210	eP	Pn	11 08 46.5	-1.7	
PB14				eS	Pn	11 08 58.4		
PB14				eS	IAML	11 08 58.4		
PB14	comp=N,76nm,0.5s							
PB14	IPOC Station P	2.95	210	eP	Pn	11 08 51.8	+2.8	
PB14				eS	Pn	11 08 59.9	+1.3	
PB14				eS	IAML	11 08 59.		



Table with columns: ID, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IPOC Station P, PB05, PB14, AC01, etc.

HEL 16 12:56:35.9-0.2, 60.98N:29.03E, h0km, ML1.6, Suspected explosion

IDC 16 12:56:37.3-4.5, 60.87N:28.83E, h0km, mbmp3.4/1, ML2.6/1, Error ellipse: s-maj=41.1km s-min=22.8km az=131.0

ISC 16 12:56:34.2-1.2, 60.93N:0.04:29.07E:0.06, h0km, n23, o076/34, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RUF, RUF, RUF, VJF, VJF, etc.

IDC 16 13:30:39.5-2.0, 36.44N:141.40E, h0km, mb3.4/4, mbtmp3.4/5, ML2.7/1, MS3.5/1, Error ellipse: s-maj=40.6km s-min=27.0km az=24.0

JMA 16 13:30:45.8-0.1, 36.4N:0.2:141.0E:0.3, h43km, 1km, MV3.1/36, E OFF IBARAKI PREF

ISC 16 13:30:43.3-1.5, 36.43N:0.08:141.2E:0.1, h21km, 5km, n19, o19/20, mb3.3/4, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JHYU, JHYU, JHO, etc.

Table with columns: ID, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H11N1, H11N3, H11S1, etc.

NOU 16 13:38:51.8, 23.49S:179.67W, h546km, mb4.0/18, South of Fiji Islands

NEIC 16 13:38:52.8-1.5, 23.4S:0.2:179.87W:0.07, h534km, 10km, mb4.0/21, Error ellipse: s-maj=23.3km s-min=9.5km az=184.0

IDC 16 13:38:54.3-3.5, 23.37S:179.97E, h555km, 36km, mb1.7, mbtmp4.1/7, Error ellipse: s-maj=26.5km s-min=17.7km az=29.0

ISC 16 13:38:51.9-0.5, 23.54S:0.07:179.80W:0.07, h532km, n104, o1958/127, mb4.0/17, 3C, South of Fiji Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MSVF, NIUE, NIUE, NIUE, etc.

EIDS Eidsvold 26.55 260 P P 13 43 46.5 -0.8

CTA Charters Tower 31.66 270 P P 13 44 32.0 +0.3

CTAO Charters Tower 31.66 270 P P 13 44 32.2 +0.5

CTAP Charters Tower 31.66 270 P P 13 44 32.2 +0.5

CTAL Charters Tower 31.66 270 P P 13 44 32.2 +0.5

CTAK Charters Tower 31.66 270 P P 13 44 32.2 +0.5

CTAL Charters Tower 31.66 270 P P 13 44 32.2 +0.5

CTAL Charters Tower 31.66 270 P P 13 44 32.2 +0.5

CTAL Charters Tower 31.66 270 P P 13 44 32.2 +0.5

CTAL Charters Tower 31.66 270 P P 13 44 32.2 +0.5

CTAL Charters Tower 31.66 270 P P 13 44 32.2 +0.5

Table with columns: ID, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FORT, FORT, FORT, MTN, etc.

NAO 16 13:43:00.5-2.8, 78.32N:13.06E, h13km, 11km, ML2.5

BER 16 13:43:00.3-1.7, 78.29N:12.93E, h8km, 6km, ML2.1, ML2.5(NAO), Confirmed Earthquake

KOLA 16 13:43:01.0, 78.26N:13.38E, h0km, ML2.1, Spitsbergen FCIAR 16 13:43:00.0, 78.35N:13.37E, h10km, station OMEGA has station magnitude of 3.40

ISC 16 13:42:57.3-2.0, 78.34N:0.07:12.51E:0.10, h19km, 3km, n15, o228/32, Svalbard region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BRBB, BRBB, BRBB, BRBB, etc.

OMEGA Omega 6.75 52 P P 13 44 36.6 +1.5

OMEGA Omega 6.75 52 P P 13 45 47.6 -3.6

OMEGA Omega 6.75 52 P P 13 45 47.6 -3.6

OMEGA Omega 6.75 52 P P 13 45 47.6 -3.6

OMEGA Omega 6.75 52 P P 13 45 47.6 -3.6

OMEGA Omega 6.75 52 P P 13 45 47.6 -3.6

OMEGA Omega 6.75 52 P P 13 45 47.6 -3.6

OMEGA Omega 6.75 52 P P 13 45 47.6 -3.6

OMEGA Omega 6.75 52 P P 13 45 47.6 -3.6

OMEGA Omega 6.75 52 P P 13 45 47.6 -3.6

OMEGA Omega 6.75 52 P P 13 45 47.6 -3.6

OMEGA Omega 6.75 52 P P 13 45 47.6 -3.6

OMEGA Omega 6.75 52 P P 13 45 47.6 -3.6

OMEGA Omega 6.75 52 P P 13 45 47.6 -3.6

OMEGA Omega 6.75 52 P P 13 45 47.6 -3.6

OMEGA Omega 6.75 52 P P 13 45 47.6 -3.6

OMEGA Omega 6.75 52 P P 13 45 47.6 -3.6

OMEGA Omega 6.75 52 P P 13 45 47.6 -3.6

OMEGA Omega 6.75 52 P P 13 45 47.6 -3.6

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LZH, XAN, LZDM, SONM, etc.

Table with columns: A05A, WISH, GNW, SADR, etc. Includes stations like Maple Falls, Wishkah, Green Mountain, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TKL, SCHO, PEAOB, etc.

NEIC 16 13:56:33.50:99N:130.70W,h5km,Moment Tensor Solution. Moment tensor: Scale 10^19Nm; Mrr:-0.23; Mth:-1.24; Mtt:1.30; Mtr:0.53; Mtr:1.70; Mtr:0.26; Fault plane solution: M2.20000:1015 NP1:163.00000:0.79,0.00000:0.168,0.00000: NP2:70.00000:0.79,0.00000:0.12,0.00000: Principal axes: T 2.2108, P 0.60000, Azm207.00000; P -2.2039, P 16.00000; Azm27.00000;

PGC 16 13:56:33.05:99N:130.70W,h10km,MLSn3.5/15, Mw4.2,219km southwest of Bella Bella, Bc Vancouver Island, Canada Region

NEIC 16 13:56:35.6:2.0:51.32N:130.2W:0.1,h10km,1km, mb3.8/36,Mw4.2(OTT). Error ellipse: s-maj=17.2km s-min=5.4km az=224.0

IDC 16 13:56:37.3:1.8:51.58N:130.53W,h0km,mb3.4/1, mbmp3.4/6,ML3.4/5,MS3.1/25,Errp ellipse: s-maj=24.1km s-min=17.2km az=66.0

ISC 16 13:56:34.1:3.2:51.25N:130.35W:0.05,h6km,23km,n148,s1928/130,MS3.2/17,Queen Charlotte Islands region

SOME 16 14:43:56.9:42:37N:80:97E,h10km KRNET 16 14:44:04.0:0.1,43:36N:80:57E,mb2.5

ISC 16 14:43:59.3:2.4:42:38N:0:08:80:79E:0.08,h10km,n10,c313/20,8C-3D,Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SHLS, PDGK, PDGK, etc.





Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like RUST, LBAT, BOSA, SKOMA, HOED, PHPEN, BROLN, LKGBW.

Table for Suspected explosion, South Africa. Includes stations like CRLN, RUST, HOED, TSWA, HRAO, LBTB.

Table for Suspected explosion, South Africa. Includes stations like CRLN, RUST, TSWA, HRAO, LBTB.

Table for Southeast of Loyalty Islands, Southeast of Loyalty Islands. Includes stations like MARNC, PINIC, YATNC, OUCEN, ONTNC, NOUC, KHEZ.

Table for OFF ISHIGAKIJIMA IS, Northeast of Taiwan. Includes stations like IRIF, JISG, JIJU, HKRS, JAKT, HATER.

Table for TAP 16:16:22.04, 24:35N, 121:98E, h55km, ML2.7, A, Taiwan. Includes stations like EWUT, EAHA, ENA, EOA, EOB, EOC, EOD, EOE, EOF, EOG, EOH, EOJ, EOK, EOL, EOM, EON, EOO, EOP, EOQ, EOR, EOS, EOT, EOU, EOY, EOV, EOW, EOZ.

Table for Presumed earthquake. Includes stations like BI04, LR04, LR03, LR02, LR01, LR00, ML02, ML01, ML00.

Table for Presumed earthquake. Includes stations like NWF, WFSB, TWT, SXU, TDCB, TATC, TAP, WARBT, OWD, NFF, NFF, EGFH, KSHI, WUSB, WUSB, YM01, YM01, ZUZH, ZUZH, TWS1, YM08, YM08, LIOB, ANP, ANP, NSTT, NSTT, YONAGU, YONAGU, YJ, YJ, NTST, NTST, WHP, WHP, VVDT, VVDT, HGSD, HGSD, RUISUI, RUISUI, SBCB, SBCB, DPDB, DPDB, WCS, WCS, SMLT, SMLT, SSSLB, SSSLB, TYC, TYC, YULB, YULB, EYUL, EYUL, EYUL, EYUL, TWFI, TWFI, WDJ, WDJ, YUS, YUS, YUS, YUS, WNT, WNT, FULB, FULB, WYL, WYL, WLS, WLS, ALS, ALS, CHKT, CHKT, CHNS, CHNS, CHNS, CHNS, ELDTW, ELDTW, EDH, EDH, WCKO, WCKO, WTK, WTK, STWH, STWH, STYH, STYH, CHN4, CHN4, CHN4, CHN4, TPUB, TPUB, STYT, STYT, STYT, STYT, WTP, WTP, TWGBT, TWGBT, TWG, TWG, TWG, TWG.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like SJA, IDC, ISC, VCA, TINO, AACL, CYA, ACV, AROD, ACCO, AC05, DOCA, GO03, GO03, LCO, CFA, FSA, ZON, RTLS, ACAN, ARCO, AAGR, CPUP, LPAZ, GSPA, TORD, ZALV, MKAR, STKA, WRA, ASAR.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like BI04, LR04, LR03, LR02, LR01, LR00, ML02, ML01, ML00.











0.1nm,0.3s
KURSB Kurchatov Arra 64.09 328 P P 19 30 13.1 +0.2
0.4nm,0.7s,baz=127,slow=6.5,SNR=3.2
0.4nm,0.7s

IDC 16:19:32:25.1 1.3,7.12S:154.28E,h0km,mb3.9/7,
mbmp4,0/8,ML2,0/1,MS2,9/1,Error ellipse: s-maj=35.6km
s-min=19.9km az=128.0
ISC 16:19:32:30.6 1.3,7.25S:0.2:154.3E:0.2,h35km,n10,
a=142/11,mb3.9/7,Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for PMG, PMG, PMG, CTA, WRA, WRA.

ASAR Alice Springs 42.74 269 P P 19 41 31.9 +0.5
WRR Warramunga Arr 43.75 274 P P 19 41 39.9 +0.5
WRR8 comp=Z,7.9nm,1.2s IAMB IAMB 19 42 00.7

WRAB Tennant Creek 43.88 274 P IAMB IAMB 19 41 40.4 -0.1
WRAB8 comp=Z,9.6nm,1.4s IAMB IAMB 19 41 41.3 +0.7
WRA Warramunga Arr 43.89 274 P P 19 41 40.2 -0.5

WRA Warramunga Arr 43.89 274 P P 19 41 40.2 -0.5
MTN Mantong Dam 49.98 281 P P 19 42 28.1 -0.1
MTN8 comp=Z,1.4nm,1.4s IAMB IAMB 19 43 03.6

KNRA Kununurra 50.56 276 P IAMB IAMB 19 42 32.5 -0.1
KNRA8 comp=Z,17nm,1.5s IAMB IAMB 19 42 43.9 0.0
FITZ Fitzroy Crossi 52.08 271 P P 19 42 53.4 0.0

CASY Casey 53.45 208 P IAMB IAMB 19 42 59.1
CASY8 comp=Z,5.2nm,1.1s IAMB IAMB 19 42 52.8 -1.6
NWA0 Narragin (SRO) 53.51 251 P P 19 42 29.9 +4.0

QSPA South Pole Qui 57.96 180 P IAMB IAMB 19 43 28.7 +2.8
QSPA8 comp=Z,2.8nm,1.5s IAMB IAMB 19 43 43.3
VNA3 Neumayer Olymp 76.58 176 P P 19 45 32.2 +8.7

VNA2 Neumayer-Watz 77.01 177 P P 19 45 34.6 +8.7
H03S2 Juan Fernandez 79.77 123 T T 21 14 17.5
H03S1 Juan Fernandez 79.77 123 T T 21 14 19.0

H03S3 Juan Fernandez 79.77 123 T T 21 14 18.2
H03N2 Juan Fernandez 79.96 123 T T 21 14 31.5
H03N1 Juan Fernandez 79.97 123 T T 21 14 33.3

H10N3 ASCENSION HYDR87.35 156 T T 22 27 15.4
H10N1 ASCENSION HYDR87.35 156 T T 22 27 14.1
H10N2 ASCENSION HYDR87.35 156 T T 22 27 15.4

ARCES ARCESS Array B 140.23 347 P KPKB PKPpre 19 52 57.2
ARCES8 comp=Z,3.7nm,0.9s,baz=66,slow=2.9,SNR=5.5
ARCES5 comp=Z,3.0nm,0.9s,baz=52,slow=3.2,SNR=1.9

FINES FINES Array B 146.67 339 P KPB PKPab 19 53 16.1 +0.6
FINES8 comp=Z,1.0nm,0.3s,baz=52,slow=3.2,SNR=11
HFS Hafslund 150.89 348 P KPB PKPik 19 53 27.0 +1.2

BGR 16:20:06:23.0, 13.59N:120.90E,h33km,mb5.6,Ms5.2
MOS 16:20:06:23.4, 1.0, 13.69N:120.43E,h42km,mb5.6/85,
MS5.0/27, Error ellipse: s-maj=7.1km s-min=3.6km

MAN 16:20:06:24.0, 13.58N:120.11E,h29km,MS5.4
MAN INTENSITY V - LOCC AND LUBANG OCCIDENTAL
MINDORO; INTENSITY IV - ABRA DE ILOG AND

SABLAYAN OCCIDENTAL MINDORO; CALAPAN CITY
ORIENTAL MINDORO; LIAN LEMERY AND TINGLOY
BATANGAS;TAGAYTAY CITY MENDEZ AMAEDO AND

ALFONSO CAVITE; INTENSITY III - PUERTO GALERA
ORIENTAL MINDORO; PALUAN RIZAL AND
MAMBURAO OCCIDENTAL MINDORO; BIAN AND

CABUYAO LAGUNA; CITY OF MANILA; MUNTINLUPA
CITY; MAKATI CITY; QUEZON CITY; PASIG CITY;
CAINTA RIZAL; INTENSITY II - SOCCORO

3 PANAMA; AYAJAY, NALUAY AND SAN TEODORO
ORIENTAL MINDORO; SAN PASCUAL BATANGAS;
INDANG CAVITE; MARIKINA CITY; MALABON CITY;

MEYCAUAYAN CITY BULACAN; FLORIDABLANCA
PAMPANGA; INTENSITY I - POLA ORIENTAL
MINDORO; CALINTAAN OCCIDENTAL MINDORO.
BUI 16:20:06:24.4, 13.57N:120.51E,h64km,mb5.3/62,mb5.0/90,
Ms5.1/91,Ms7.4/98

GFZ 16:20:06:25.5, 13.68N:120.37E,h34km,Mw5.3/43,Moment
Tensor Solution. Moment tensor: Scale 1017Nm;
Mn:0.02; Mbb:0.82; Mbb-0.85; Mbb:0.27; Mbb-0.98; Mbb:0.11;

Fault plane solution: M1:3188x1017 NPI;
b:59.7213; s:77.04297; l:0.09168; NP2:249.74168\*,
s:89.91067; l:-167.04296\*. Principal axes: T 1.3071,
Plg9.0586\*, Azm252.9262, N 0.0252, Plg77.0427\*,
Azm250.1299; P -1.3323, Plg9.1866\*, Azm115.4704\*,

GCMT 16:20:06:25.5, 0.1, 13.74N:0.01:120.08E:0.01,h27km,
MW5.4/148,Moment Tensor Solution. s112,c193;
s148,c287; Duration: 1s3 Moment tensor: Scale 1017
Nm; Mn:-0.22±.02; Mbb:1.05±.01; Mbb-0.83±.02;
Mbb:1.1±.04; Mbb-0.96±.01; Mbb:0.28±.03; Best double
couple: M1.76300x1017 NPI, s158.00000\*, s49.00000\*,
l-4.00000\*. NP2:251.00000\*, s87.00000\*,
l-139.00000\*. Principal axes: T 1.8810, Plg25.0000\*,
Azm17.0000; N -0.2350, Plg48.0000\*, Azm255.0000; P
-1.6450, Plg30.0000\*; Azm123.0000\*; nsta1 refers to
body waves, cutoff=40s. nsta2 refers to surface waves,
cutoff=50s. Triangular moment-rate function

GFZ 16:20:06:25.1±0.2, 14°N±1.2°E, h38km,2km, M5.2/169,
mb5.7/69,mb5.4/169,Mw(mB)5.1/109, Mw(mB)5.2/47,
ISC 16:20:06:27.5, 1.5, 13.68N:0.04:120.26E:0.07,h62km,4km,
mb5.4/335,Mw5.4/20, Error ellipse: s-maj=10.6km
s-min=6.4km az=87.0

IDC 16:20:06:29.0, 1.2, 13.70N:120.47E,h78km,10km,mb4.8/36,
mbmp5.2/40,MS4.9/74, Error ellipse: s-maj=13.8km
s-min=7.0km az=70.0
DJA 16:20:06:30.0, 0.4, 14°N±1.2°E, h91km,4km, M5.1/129,
mb5.6/109,mb5.3/129,Mw(mB)5.1/109, Mw(mB)5.2/47,
Mw5.4/47

ISC 16:20:06:27.5, 0.2, 13.65N:0.02:120.27E:0.03,h63km,1km,
h63km;pp-P,1386,c195/1444,mb5.4/472,87C-32D,
Mindoro

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for TGY, TGY, TGY, GOP, GOP, GOP, IBAJ, IBAJ, IBAJ, BOLP, BOLP, BOLP, JAP, JAP, JAP, MPPH, MPPH, MPPH, GUIM, GUIM, GUIM, SZP, SZP, SZP, CADP, CADP, CADP, PPR, PPR, PPR, PIP, PIP, PIP, PACPP, PACPP, PACPP, LLLP, LLLP, LLLP, PLP, PLP, PLP, TBP, TBP, TBP, LSP, LSP, LSP, CACP, CACP, CACP, CIP, CIP, CIP, DCPH, DCPH, DCPH, PAGZ, PAGZ, PAGZ, PIP, PIP, PIP.

AS31 Alice Springs 42.74 269 P P 19 41 31.6 +0.2
ASAR Alice Springs 42.74 269 P P 19 41 32.1 +0.7
comp=Z,1.0nm,0.3s,baz=110,slow=7.5,SNR=25

ASAR Alice Springs 42.74 269 P P 19 41 31.9 +0.5
WRR Warramunga Arr 43.75 274 P P 19 41 39.9 +0.5
WRR8 comp=Z,7.9nm,1.2s IAMB IAMB 19 42 00.7

WRAB Tennant Creek 43.88 274 P IAMB IAMB 19 41 40.4 -0.1
WRAB8 comp=Z,9.6nm,1.4s IAMB IAMB 19 41 41.3 +0.7
WRA Warramunga Arr 43.89 274 P P 19 41 40.2 -0.5

WRA Warramunga Arr 43.89 274 P P 19 41 40.2 -0.5
MTN Mantong Dam 49.98 281 P P 19 42 28.1 -0.1
MTN8 comp=Z,1.4nm,1.4s IAMB IAMB 19 43 03.6

KNRA Kununurra 50.56 276 P IAMB IAMB 19 42 32.5 -0.1
KNRA8 comp=Z,17nm,1.5s IAMB IAMB 19 42 43.9 0.0
FITZ Fitzroy Crossi 52.08 271 P P 19 42 53.4 0.0

CASY Casey 53.45 208 P IAMB IAMB 19 42 59.1
CASY8 comp=Z,5.2nm,1.1s IAMB IAMB 19 42 52.8 -1.6
NWA0 Narragin (SRO) 53.51 251 P P 19 42 29.9 +4.0

QSPA South Pole Qui 57.96 180 P IAMB IAMB 19 43 28.7 +2.8
QSPA8 comp=Z,2.8nm,1.5s IAMB IAMB 19 43 43.3
VNA3 Neumayer Olymp 76.58 176 P P 19 45 32.2 +8.7

VNA2 Neumayer-Watz 77.01 177 P P 19 45 34.6 +8.7
H03S2 Juan Fernandez 79.77 123 T T 21 14 17.5
H03S1 Juan Fernandez 79.77 123 T T 21 14 19.0

H03S3 Juan Fernandez 79.77 123 T T 21 14 18.2
H03N2 Juan Fernandez 79.96 123 T T 21 14 31.5
H03N1 Juan Fernandez 79.97 123 T T 21 14 33.3

H10N3 ASCENSION HYDR87.35 156 T T 22 27 15.4
H10N1 ASCENSION HYDR87.35 156 T T 22 27 14.1
H10N2 ASCENSION HYDR87.35 156 T T 22 27 15.4

ARCES ARCESS Array B 140.23 347 P KPKB PKPpre 19 52 57.2
ARCES8 comp=Z,3.7nm,0.9s,baz=66,slow=2.9,SNR=5.5
ARCES5 comp=Z,3.0nm,0.9s,baz=52,slow=3.2,SNR=1.9

FINES FINES Array B 146.67 339 P KPB PKPab 19 53 16.1 +0.6
FINES8 comp=Z,1.0nm,0.3s,baz=52,slow=3.2,SNR=11
HFS Hafslund 150.89 348 P KPB PKPik 19 53 27.0 +1.2

BGR 16:20:06:23.0, 13.59N:120.90E,h33km,mb5.6,Ms5.2
MOS 16:20:06:23.4, 1.0, 13.69N:120.43E,h42km,mb5.6/85,
MS5.0/27, Error ellipse: s-maj=7.1km s-min=3.6km

MAN 16:20:06:24.0, 13.58N:120.11E,h29km,MS5.4
MAN INTENSITY V - LOCC AND LUBANG OCCIDENTAL
MINDORO; INTENSITY IV - ABRA DE ILOG AND

SABLAYAN OCCIDENTAL MINDORO; CALAPAN CITY
ORIENTAL MINDORO; LIAN LEMERY AND TINGLOY
BATANGAS;TAGAYTAY CITY MENDEZ AMAEDO AND

ALFONSO CAVITE; INTENSITY III - PUERTO GALERA
ORIENTAL MINDORO; PALUAN RIZAL AND
MAMBURAO OCCIDENTAL MINDORO; BIAN AND

CABUYAO LAGUNA; CITY OF MANILA; MUNTINLUPA
CITY; MAKATI CITY; QUEZON CITY; PASIG CITY;
CAINTA RIZAL; INTENSITY II - SOCCORO

3 PANAMA; AYAJAY, NALUAY AND SAN TEODORO
ORIENTAL MINDORO; SAN PASCUAL BATANGAS;
INDANG CAVITE; MARIKINA CITY; MALABON CITY;

MEYCAUAYAN CITY BULACAN; FLORIDABLANCA
PAMPANGA; INTENSITY I - POLA ORIENTAL
MINDORO; CALINTAAN OCCIDENTAL MINDORO.
BUI 16:20:06:24.4, 13.57N:120.51E,h64km,mb5.3/62,mb5.0/90,
Ms5.1/91,Ms7.4/98

GFZ 16:20:06:25.5, 13.68N:120.37E,h34km,Mw5.3/43,Moment
Tensor Solution. Moment tensor: Scale 1017Nm;
Mn:0.02; Mbb:0.82; Mbb-0.85; Mbb:0.27; Mbb-0.98; Mbb:0.11;

Fault plane solution: M1:3188x1017 NPI;
b:59.7213; s:77.04297; l:0.09168; NP2:249.74168\*,
s:89.91067; l:-167.04296\*. Principal axes: T 1.3071,
Plg9.0586\*, Azm252.9262, N 0.0252, Plg77.0427\*,
Azm250.1299; P -1.3323, Plg9.1866\*, Azm115.4704\*,

GCMT 16:20:06:25.5, 0.1, 13.74N:0.01:120.08E:0.01,h27km,
MW5.4/148,Moment Tensor Solution. s112,c193;
s148,c287; Duration: 1s3 Moment tensor: Scale 1017
Nm; Mn:-0.22±.02; Mbb:1.05±.01; Mbb-0.83±.02;
Mbb:1.1±.04; Mbb-0.96±.01; Mbb:0.28±.03; Best double
couple: M1.76300x1017 NPI, s158.00000\*, s49.00000\*,
l-4.00000\*. NP2:251.00000\*, s87.00000\*,
l-139.00000\*. Principal axes: T 1.8810, Plg25.0000\*,
Azm17.0000; N -0.2350, Plg48.0000\*, Azm255.0000; P
-1.6450, Plg30.0000\*; Azm123.0000\*; nsta1 refers to
body waves, cutoff=40s. nsta2 refers to surface waves,
cutoff=50s. Triangular moment-rate function

GFZ 16:20:06:25.1±0.2, 14°N±1.2°E, h38km,2km, M5.2/169,
mb5.7/69,mb5.4/169,Mw(mB)5.1/109, Mw(mB)5.2/47,
ISC 16:20:06:27.5, 1.5, 13.68N:0.04:120.26E:0.07,h62km,4km,
mb5.4/335,Mw5.4/20, Error ellipse: s-maj=10.6km
s-min=6.4km az=87.0

IDC 16:20:06:29.0, 1.2, 13.70N:120.47E,h78km,10km,mb4.8/36,
mbmp5.2/40,MS4.9/74, Error ellipse: s-maj=13.8km
s-min=7.0km az=70.0
DJA 16:20:06:30.0, 0.4, 14°N±1.2°E, h91km,4km, M5.1/129,
mb5.6/109,mb5.3/129,Mw(mB)5.1/109, Mw(mB)5.2/47,
Mw5.4/47

ISC 16:20:06:27.5, 0.2, 13.65N:0.02:120.27E:0.03,h63km,1km,
h63km;pp-P,1386,c195/1444,mb5.4/472,87C-32D,
Mindoro

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for TGY, TGY, TGY, GOP, GOP, GOP, IBAJ, IBAJ, IBAJ, BOLP, BOLP, BOLP, JAP, JAP, JAP, MPPH, MPPH, MPPH, GUIM, GUIM, GUIM, SZP, SZP, SZP, CADP, CADP, CADP, PPR, PPR, PPR, PIP, PIP, PIP, PACPP, PACPP, PACPP, LLLP, LLLP, LLLP, PLP, PLP, PLP, TBP, TBP, TBP, LSP, LSP, LSP, CACP, CACP, CACP, CIP, CIP, CIP, DCPH, DCPH, DCPH, PAGZ, PAGZ, PAGZ, PIP, PIP, PIP.

AS31 Alice Springs 42.74 269 P P 19 41 31.6 +0.2
ASAR Alice Springs 42.74 269 P P 19 41 32.1 +0.7
comp=Z,1.0nm,0.3s,baz=110,slow=7.5,SNR=25

BUKP Musuan 7.42 140 eP Pn 20 08 16.9 +3.6
BIPH Bislig 8.08 132 eS Pn 20 08 24.1 +1.8
BIPH Bislig 8.08 132 eS Pn 20 08 56.4 +4.2

KAC Kidapawan City 8.13 144 eP Pn 20 08 27.1 +4.1
DAV Davao City (W) 8.37 141 P Pn 20 08 28.5 +2.2
116nm,0.4s,baz=305,slow=1.4,SNR=8.1

DAV Davao City (W) 8.37 141 P Pn 20 08 28.0 +1.7
DAV Davao City (W) 8.37 141 Pn Pn 20 08 26.4 +0.2
DAV Davao City (W) 8.37 141 Pn Pn 20 08 30.0 +3.8

CDOP Cateel, Davao 8.41 133 i P Pn 20 08 30.9 +4.1
KKM Kota Kinabalu 8.55 208 P Pn 20 08 27.1 -1.7
KKM Kota Kinabalu 8.55 208 P Pn 20 08 27.8 -1.0

KKM Kota Kinabalu 8.55 208 Pn Sn 20 08 54.1 -1.0
KKM Kota Kinabalu 8.55 208 Pn Pn 20 08 42.4 +1.4
TWGBT Beinan 9.15 5 P Pn 20 08 37.7 +0.9

TWG Pinang 9.15 5 P Pn 20 08 36.0 -0.8
TWG Pinang 9.15 5 P Pn 20 08 35.5 -1.4
comp=Z,129nm,1.1s

DDMP Don Marcelino, 19.22 144 eP Pn 20 08 41.7 +3.9
TPUB Ta-pu 9.60 2 P Pn 20 08 43.2 +0.2
TPUB Ta-pu 9.60 2 P Pn 20 08 42.4 -0.7

TPUB Ta-pu 9.60 2 P Pn 20 08 40.9 -2.1
comp=Z,337nm,1.1s
YULB Yu-li 9.73 6 P Pn 20 08 45.0 +0.1

YULB Yu-li 9.73 6 P Pn 20 08 40.5 +0.8
SSLB Suanglung 10.10 4 P Pn 20 08 50.5 +0.6
SSLB Suanglung 10.10 4 S Sn 20 10 45.5 +3.8

SSLB Suanglung 10.10 4 P Pn 20 08 47.8 -2.1
SSLB Suanglung 10.10 4 P Pn 20 08 47.3 -2.6
comp=Z,92nm,1.1s

HKPS Hong Kong Po S 10.37 327 P Pn 20 08 55.2 +1.7
HKPS Hong Kong Po S 10.37 327 P Pn 20 08 50.5 -3.0
HKPS Hong Kong Po S 10.37 327 P Pn 20 08 52.4 -1.1

NACB Nanchangchao 10.54 7 P Pn 20 08 57.3 +1.5
NACB Nanchangchao 10.54 7 P Pn 20 08 55.6 -0.2
NACB Nanchangchao 10.54 7 P Pn 20 08 54.6 -1.2

TARAI Tarakan 10.60 195 P Pn 20 09 10.2 +1.3
YMB Chin-men Tao 11.01 5 P Pn 20 09 02.8 +0.5

YHNB Yeheng 11.01 5 P Pn 20 09 02.3 0.0
YHNB Yeheng 11.01 5 P Pn 20 08 60.0 -2.3
comp=Z,168nm,1.6s

YOJ Yonaguni jima 11.06 13 P Pn 20 09 05.1 +2.2
YOJ Yonaguni jima 11.06 13 P Pn 20 09 03.4 +0.5
YOJ Yonaguni jima 11.06 13 P Pn 20 09 03.4 +0.5

YATO Taipei 11.32 6 Pn Pn 20 09 07.7 +1.2
QIZ Qiongzong 11.34 299 P Pn Pn 20 09 05.3 -1.6
QIZ Qiongzong 11.34 299 P Pn Pn 20 09 15.9 +0.9

QIZ Qiongzong 11.34 299 P Pn Pn 20 11 12.3 +0.3
comp=Z,57nm,0.5s pmax pmax
QIZ Qiongzong 11.34 299 P Pn Pn 20 09 05.3 -1.6

QIZ Qiongzong 11.34 299 P Pn Pn 20 09 15.9 +0.9
comp=Z,850nm,4.9s pmax pmax
QIZ Qiongzong 11.34 299 P Pn Pn 20 09 05.3 -1.6

QIZ Qiongzong 11.34 299 P Pn Pn 20 09 15.9 +0.9
comp=Z,3um,11.2s L L
QIZ Qiongzong 11.34 299 P Pn Pn 20 09 05.3 -1.6

QIZ Qiongzong 11.34 299 P Pn Pn 20 09 15.9 +0.9
comp=Z,4um,16.1s L L
QIZ Qiongzong 11.34 299 P Pn Pn 20 09 05.3 -1.6

DLV Lat 11.62 263 P Pn 20 09 11.0 +0.2
DLV Lat 11.62 263 P Pn 20 09 08.3 -2.5
DLV Lat 11.62 263 P Pn 20 09 08.2 -2.6

comp=Z,91nm,0.6s
GZHZ Guangzhou 11.75 329 P Pn 20 09 12.8 +0.4
GZHZ Guangzhou 11.75 329 P Pn 20 11 23.4 +1.5
comp=Z,7um,12.6s

GZHZ Guangzhou 11.75 329 P Pn 20 09 12.8 +0.4
GZHZ Guangzhou 11.75 329 P Pn 20 11 23.4 +1.5
comp=Z,7um,12.6s

TOLIZ Tolitoli 12.47 178 P Pn 20 09 19.4 -2.9
TOLIZ Tolitoli 12.47 178 P Pn 20 09 20.4 -1.9
TOLIZ Tolitoli 12.47 178 P Pn 20 09 21.9 -0.4

comp=Z,63nm,1.2s,comp=Z,757nm
MNI Manado 12.95 159 P Pn 20 09 41.5 +4.2
KMSI Cibinong 13.51 164 P Pn 20 09 47.0 +3.6

SBUM Sibutu 13.68 216 P Pn 20 09 36.6 -2.1
SBUM Sibutu 13.68 216 P Pn 20 09 35.8 -2.9
SBUM Sibutu 13.68 216 P Pn 20 09 35.9 -2.9

SBUM Sibutu 13.68 216 P Pn 20 09 36.6 -2.0
comp=Z,879nm,comp=Z,70nm,1.1s
PCI Palu 14.47 182 P Pn 20 09 51.8 -2.4

comp=Z,3um,comp=Z,114nm,1.2s
APSI Ampasa 14.54 174 P Pn 20 09 54.0 -0.9
comp=Z,4um,comp=Z,336nm,1.1s

TNTI Ternate 14.60 151 P Pn 20 09 49.5 -1.3
TNTI Ternate 14.60 151 P Pn 20 09 50.0 -0.8
comp=Z,2um,comp=Z,203nm,1.5s

TNTI Ternate 14.60 151 P Pn 20 09 50.1 -0.8
TNTI Ternate 14.60 151 P Pn 20 09 51.3 -2.2
LUWI Luwuk 14.81 170 P Pn 20 09 54.2 +0.6

LUWI Luwuk 14.81 170 P Pn 20 09 55.9 +1.5
comp=Z,4um,comp=Z,369nm,0.87s
GULI Guilin 14.86 323 P Pn 20 09 56.9 -1.6

GULI Guilin 14.86 323 P S 2





16d 20h

Table with columns for station name, frequency, power, and other technical details. Includes stations like KLBRR Kellerberrin, HNR Honiara, and various meteorological stations.

2020 OCT

Table with columns for station name, frequency, power, and other technical details. Includes stations like BBOO Buckleboo, UCH Uchtor, and various meteorological stations.

810

Table with columns for station name, frequency, power, and other technical details. Includes stations like KBL Kabul, MA2 Magadan, and various meteorological stations.



16d 20h

Table with 4 columns: Station Name, Frequency, Power, and other parameters. Includes stations like AOBJ, HLK, EIL, HAMF, BMAR, etc.

2020 OCT

Table with 4 columns: Station Name, Frequency, Power, and other parameters. Includes stations like CFR, SCTR, VARL, BARN, MESA, etc.

812

Table with 4 columns: Station Name, Frequency, Power, and other parameters. Includes stations like LOT, KOLS, M31M, TRPA, UZHM, etc.



Table with columns for call sign, name, frequency, mode, and other details. Includes stations like TJOJ, MORH, KSP, etc.

Table with columns for call sign, name, frequency, mode, and other details. Includes stations like CLL, HSKC, BLS5, etc.

Table with columns for call sign, name, frequency, mode, and other details. Includes stations like SQTA, MOTA, MOTI, etc.

comp=Z,0.6nm,0.3s,baz=170,slow=4.5,SNR=6.3
SIV comp=Z,2.0nm,0.8s,baz=212,slow=7.9,SNR=5.4

CATAC 16:20:16:17.2,0.7,5"N,3.7"W, h151km,6km, M3.5/7,
MLV,5.7, Error ellipse: s-maj=8.9km s-min=6.0km
az=130.3,confirmed

RSNC 16:20:16:17.3,0.0,5"N,3.7"W, h142km,6km, M3.1,
mB4.7,mb3.5,ML2.8,Mw(M)3.9
ISC 16:20:16:15.7,1.4,5.29N,0.03:73.73W:0.04,h163km,8km,
n30,i=133/59,Columbia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like SPBC, CHIC, ROSC, etc.

IDC 16:20:32:30.5,0.9,33.29N:90.13E,h0km,mb3.8/9,
mbtmp3.8/14,ML3.3/4, Error ellipse: s-maj=30.2km
s-min=17.7km az=54.0

NEIC 16:20:32:29.1,1.6,33.40N:0.06:90.1E:0.1,h10km,1km,
mb4.2/31, Error ellipse: s-maj=17.6km s-min=9.0km
az=246.0

NDI 16:20:32:35.9,1.3,33.28N:90.24E,h10km,ML3.2,
Presumed earthquake
ISC 16:20:32:32.0,0.5,33.32N:0.07:90.13E:0.08,h10km,n74,
i=147/75,mb4.0/16,Qinghai

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like LSA, EVN, ZIRO, etc.

comp=Z,1.2nm,0.8s
BORK Borovoye 24.30 330 P P 20 37 49.4 -0.1
BORK comp=Z,2.6nm,0.8s 20 37 57.4

TPUB 28.55 103 P P 20 38 28.9 +0.9
YHNS Yeheng 28.57 99 P P 20 38 29.4 +1.1
SBUM Sibiu 37.02 141 Iamb Iamb 20 39 42.8 +0.8

BRTR comp=Z,4.1nm,1.3s 45.21 295 P P 20 40 47.7 -1.7
comp=Z,0.5nm,0.7s,baz=81,slow=7.9,SNR=2.4

BRTR Keskin Array B 45.21 295 P P 20 40 48.3 -1.1
HFS Hagfors 55.14 324 P P 20 40 04.3 +0.1

NC03 NORSAR Array S 56.13 325 P P 20 42 10.6 -0.7
NB2 NORSAR Subarra 56.23 325 P P 20 42 12.4 +0.3

NOA NORSAR Array B 56.23 325 P P 20 42 12.1 0.0
comp=Z,1.1nm,0.7s,baz=94,slow=5.8,SNR=4.4

NA001 NORSAR Array S 56.42 325 P P 20 42 11.9 -1.5
GERES GERES Array B 57.30 310 P P 20 42 21.1 +1.2

GERES GERES Array B 57.30 310 P P 20 42 19.2 -0.8
WRR Warramunga Arr 57.81 135 P P 20 43 30.2 -0.2

J19K Poorman 70.18 25 P P 20 43 45.4 +0.9
J19K comp=Z,9.1nm,1.4s 70.18 17 P P 20 43 45.5 +1.1

C27K Jago River 70.18 17 P P 20 43 46.8 +0.6
comp=Z,5.3nm,1.0s

ASAR Alice Springs 70.36 138 P P 20 43 48.1 +1.1
comp=Z,0.8nm,0.9s,baz=80,slow=6.8,SNR=6.2

J20K Nowinta River 70.59 25 P Iamb 20 43 49.6
comp=Z,3.6nm,0.9s

NWAO Narragin (SR) 70.66 156 P P 20 43 47.6 -0.2
M17K Redstone River 71.00 28 P P 20 43 49.8 +0.2

BMAR Burnt Mountain 71.48 19 P P 20 43 53.0 +0.5
L19K White Mountain 71.54 27 P P 20 43 54.1 +1.2

L19K comp=Z,8.8nm,1.5s 71.78 25 P P 20 43 54.5 +0.2
CAST Castle Rocks 71.78 25 P Iamb 20 43 56.6

PPLA Purkeypile 72.07 25 P P 20 43 56.7 +0.5
M20K Styx River 72.36 26 P Iamb 20 44 58.9 +1.1

M20K comp=Z,4.7nm,1.0s 72.45 306 P P 20 43 59.2 +0.4
ESDC Sonseca Array 72.45 306 P Iamb 20 44 22.6

ESDC Sonseca Array 72.45 306 Iamb 20 44 22.6
comp=Z,4.2nm,1.4s

ILAR Eielson Array 72.63 22 P P 20 43 58.7 -0.6
comp=Z,2.2nm,1.0s,baz=295,slow=5.0,SNR=12

ILAR Eielson Array 72.63 22 P P 20 43 59.0 -0.2
SKT Skwentna 72.89 26 P P 20 44 00.5 -0.4

SML Sawmill 74.15 25 P P 20 44 08.1 -1.3
CSM Paulkut 74.61 12 P P 20 44 10.3 +0.3

BCAR Beaver Creek A 75.43 22 P P 20 44 15.3 -0.5
CPUP Villa Florida 151.01 275 PKPbc PKPbc 20 52 25.0 -0.4

CPUP Villa Florida 151.01 275 PKPbc 20 52 24.0 -1.4

CNRM 16:20:41:55.5,36.43N:7.58W,h77km,ML2.2
MDD 16:20:41:57.8,0.6,36.66N:7.19W,h25km,3km,mb\_Lg2.7/22,
Error ellipse: s-maj=3.7km s-min=2.3km az=20.0

INMG 16:20:41:58.3,1.6,36.65N:7.18W,h26km,4km,ML1.9, Error
ellipse: s-maj=2.9km s-min=2.2km az=44.0,
#DIST\_RANGE: REGIONAL #PMA\_REGION: Golfo de
Cadiz

SFS 16:20:41:58.5,36.69N:7.14W,h35km,ML2.1/22,ML2.6/22,
ML2.3/16
IGL 16:20:41:58.5,36.65N:7.17W,h30km,ML1.9
ISC 16:20:41:56.4,1.1,36.63N:0.03:71.6W:0.02,h35km,n85,
i=156/156,1C-10,Strait of Gibraltar

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like ARNO, EXAYA, EXHU, etc.

PBAR Barrancos 1.54 4 P P 20 42 22.4 +1.0
PBAR eS 20 42 40.1 -0.1

PBAR IAML 20 42 45.9
PBAR IAML 20 42 46.1
PBAR IAML 20 42 46.2

PTEO Sao Teotonio 1.54 307 P P 20 42 48.5 +1.2
PTEO eS 20 42 40.6 +0.4

PTEO IAML 20 42 41.2
PTEO IAML 20 42 41.3
PTEO IAML 20 42 43.9

ECU Ceuta 1.62 116 P P 20 42 24.8 +2.4
PLOS Minas do Lousa 1.72 325 P P 20 42 48.3 +1.1

PLOS IAML 20 42 45.3 +0.8
PLOS IAML 20 42 48.8
PLOS IAML 20 42 49.2

EMIR Smir Dam 1.73 123 P P 20 42 28.4 +2.1
EMIR Pn 20 42 49.3 +1.6

EMIJ Mijas 1.93 91 Pn Sn 20 42 50.4 +0.8
EMIJ Pn 20 42 28.0 +1.3

EMIJ Sn 20 42 51.6 +2.0
EMIJ Pn 20 42 28.2 +0.5

ECAB El Cabril 2.00 43 Pn Sn 20 42 28.2 +0.5
ECAB Sn 20 42 28.2 +0.5

ECAB El Cabril 2.00 43 Pn Sn 20 42 28.2 +0.5
ECAB Sn 20 42 49.5 -2.0

ECAB Iamb\_Lg 20 43 00.1
EXCBB El Cabril 2.00 44 Pn Sn 20 42 28.2 +0.5

EXCBB Sn 20 42 50.8 +1.4
EVO Evora 2.01 341 Pn Sn 20 42 50.8 -1.1

EVO Pn 20 42 28.9 +1.1
EVO Sn 20 42 51.9 +0.1

EVO IAML 20 42 53.5
EVO IAML 20 43 14.1

EVO IAML 20 42 54.4
RSA Sarsar 2.06 148 P Pn 20 42 29.2 +0.7

RSA S 20 42 55.0 +2.0
MOE Montemor 2.11 334 P Pn 20 42 30.3 +1.2

MOE S 20 42 53.7 -0.5
MOE IAML 20 42 55.2

MOE IAML 20 42 55.6
MOE IAML 20 42 55.9

EBAD Badajoz 2.12 3 Pn Pn 20 42 30.1 +0.7
EBAD Sn 20 42 53.2 -1.2

EBAD Pn 20 42 30.0 +0.7
EBAD Sn 20 42 32.1 -1.2

EBAD Iamb\_Lg 20 42 53.8
EMAL Malaga-Limoner 2.20 86 Sn Sn 20 42 56.8 +0.4

PESTR Estremoz 2.26 352 Pn Sn 20 42 31.9 +0.8

PESTR Sn 20 42 56.6 -1.3
PESTR Sn 20 42 32.0 +0.8

PESTR S 20 43 02.4 +4.6
PESTR eP 20 42 32.0 +0.8

PESTR IAML 20 43 00.2
PESTR IAML 20 43 08.7

PESTR IAML 20 43 12.3
PARRA Arraiolos 2.29 343 P Pn 20 42 32.6 +1.0

PARRA S 20 42 58.8 +0.3
PARRA IAML 20 42 59.1

PARRA IAML 20 42 59.2
PARRA IAML 20 43 00.0

PARRA IAML 20 43 02.2 -1.7
EGOR Sierra Gorda, 2.50 78 Pn Sn 20 42 35.6 +1.0

EGOR Sn 20 43 04.6 +0.7
EADA Adamuz 2.57 53 Pn Pn 20 42 36.5 +1.0

EADA Sn 20 43 03.1 -2.4
EADA Sn 20 42 35.5 +1.0

EADA Sn 20 43 05.2 -1.3
EADA Iamb\_Lg 20 43 08.6

PMTG Montargil 2.57 341 P Pn 20 42 36.5 +0.9
PMTG S 20 43 05.4 -0.2

PMTG S 20 43 07.6
PMTG IAML 20 43 17.7

PMTG IAML 20 43 07.9
PMRV Marv??o 2.80 356 P Pn 20 42 39.5 +0.9

PMRV S 20 43 10.6 -0.5
PMRV IAML 20 43 11.4

PMRV IAML 20 43 11.6
PMRV IAML 20 43 12.3

ELGU Los Guajares, 2.85 84 Pn Pn 20 42 40.9 +1.4
ELGU Los Guajares, 2.85 84 Pn Sn 20 42 40.5 +1.1

ELGU Sn 20 43 13.7 +1.1
ELGU Iamb\_Lg 20 43 18.4

PMAFR Mafra 2.86 325 Pn Sn 20 42 40.9 +1.5
PMAFR Sn 20 43 11.2 -1.6

PMAFR eP 20 42 41.0 +1.5
PMAFR S 20 43 13.6 +0.9

PMAFR IAML 20 43 14.4
PMAFR IAML 20 43 20.1

PMAFR IAML 20 43 21.7
PSARD Sardoal 3.07 345 eP Sn 20 42 43.3 +1.0

PSARD S 20 43 17.2 -0.6
PSARD IAML 20 43 18.6

PSARD IAML 20 43 19.1
PSARD IAML 20 43 19.3

PSBE So Bento 3.15 336 eP Pn 20 42 45.0 +1.4
PSBE S 20 43 19.5 -0.4

ZHG ZHG 3.21 172 P Sn 20 42 43.8 -0.5

OUZM		S	Sn	20 44 20.4	-2.9
ETOR	Torete	5.78 42	Pn	20 43 20.7	+1.0
ETOR			Pn	20 44 22.2	-2.6
TTIG	Trine Tigouga	6.16 190	P	20 44 28.4	
TTIG			Pn	20 43 21.8	-3.2
EMOS	Mosqueruela	6.43 53	Ivmb_Lg	20 44 31.4	
EMOS			Sn	20 44 38.1	-3.0

TAP 16 21:06:38.8, 23°08'N, 120°24'E, h17km, ML4.0, B  
 ASIIES 16 21:06:39.5, 23°09'N, 120°25'E, h16km, Mw3.5, Fault plane  
 solution:  $NP_{120}218.00000^{\circ}, S60.00000^{\circ}, \lambda 149.00000^{\circ}$   
 $NP_{235}325.00000^{\circ}, S63.00000^{\circ}, \lambda 34.00000^{\circ}$   
 ISC 16 21:06:39.5, 0.7, 23°10'N, 120°23'E, 0.02, h19km, 3km,  
 n152, s1807/252, 6C-16D, Taiwan

Code	Station Name	A°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
TA11	Yung-kang	0.06	183	iP	Pg	21 06 42.5	+0.4
TA11				iS	Sg	21 06 45.7	+0.4
SSHA	Shanhua	0.07	54	iP	Pg	21 06 42.8	-0.2
SSHA				iS	Sg	21 06 42.2	+0.8
SCLT	Jiali	0.08	336	iP	Pb	21 06 43.0	-0.2
SCLT				iS	Sb	21 06 46.6	+1.1
TAI	Tainan	0.11	197	iP	Pb	21 06 43.1	+2.6
TAI				iS	Sb	21 06 46.4	+5.6
CHN3	Shinhua	0.13	100	iP	Pb	21 06 43.2	+1.9
CHN3				iS	Sb	21 06 47.2	+5.0
SHHT	Tainan City	0.13	125	iP	Pb	21 06 43.5	+2.0
SHHT				iS	Sb	21 06 47.3	+4.6
TSCK	Chigu Township	0.14	290	iP	Pb	21 06 43.8	+1.9
TSCK				iS	Sb	21 06 48.3	+5.0
IGHU	Yijhu	0.27	10	iP	Pb	21 06 45.9	+0.3
IGHU				iS	Sb	21 06 51.6	+2.1
SNST	Tainan City	0.27	64	iP	Pb	21 06 45.9	+0.2
SNST				iS	Sb	21 06 51.8	+1.9
CHN1	Nanshi	0.29	72	iP	Pb	21 06 46.0	-0.1
CHN1				iS	Sb	21 06 51.7	+1.3
TWK	Hsinying	0.29	55	iP	Pb	21 06 46.0	+0.3
SCST	Cishan	0.32	131	iP	Pn	21 06 52.1	+1.6
SCST				iS	Pb	21 06 47.8	-1.4
SCST	Jiashian	0.33	93	eP	Pg	21 06 55.1	-0.2
SCST				eS	Sg	21 06 45.8	-0.7
TWM1	Shoushan	0.33	147	eP	Pb	21 06 47.2	+0.4
TWM1				eS	Sb	21 06 53.7	-1.8
SNJT	Kaohsiung City	0.36	164	eP	Pb	21 06 47.0	-0.3
SNJT				eS	Sb	21 06 55.2	-0.9
WTP	Ta-pu	0.38	67	iP	Pb	21 06 47.5	-0.3
WTP				iS	Sb	21 06 54.9	+0.5
SLGT	Luigui	0.40	105	iP	Pb	21 06 48.1	+0.1
SLGT				iS	Sb	21 06 55.2	-2.0
CHN4	Tsushan	0.42	53	iP	Pb	21 06 48.3	-0.1
CHN4				iS	Sb	21 06 55.0	+0.6
TPUB	Ta-pu	0.42	61	iP	Pb	21 06 47.9	-0.5
TPUB				iS	Sb	21 06 54.9	+0.5
TPUB	Ta-pu	0.42	61	iP	Pb	21 06 47.9	-0.5
TPUB				iS	Sb	21 06 54.7	+0.2
WYSL	Shuilin Townsh	0.42	360	iP	Pb	21 06 48.6	+0.1
WYSL				iS	Sb	21 06 56.5	-1.4
CHY	Chiayi	0.44	24	eP	Pb	21 06 47.0	-0.7
CHY				eS	Sb	21 06 56.9	-1.3
SGLT	Jiouru	0.44	147	eP	Pb	21 06 49.3	+0.5
WSSB	Gushan	0.46	176	iP	Pb	21 06 49.7	+0.7
WCKO	Fanlu	0.48	45	iP	Pb	21 06 49.5	+0.1
WCKO				iS	Sb	21 06 57.2	+1.0
CHN2	Minshihung	0.49	27	eP	Pb	21 06 58.8	-0.7
CHN2				iS	Sb	21 06 51.4	-0.7
STYH	Taoyuan	0.51	82	eP	Pb	21 06 49.7	-0.1
STYH				eS	Sb	21 06 58.9	-1.0
SSD	Sandimen	0.51	133	iP	Pb	21 06 49.9	0.0
SSD				iS	Sb	21 06 58.9	-1.0
KAU	Kaohsiung	0.53	172	iP	Pb	21 06 51.4	-0.7
KAU				iS	Sb	21 06 50.6	+0.3
WSF	Szhu	0.54	359	iP	Pb	21 06 52.2	+0.1
WSF				iS	Sb	21 07 02.1	+1.4
WDGT	Dungji	0.55	287	iP	Pg	21 06 52.7	+0.5
WDGT				iS	Sb	21 07 03.0	-0.6
MASBT	Mashibuluo	0.61	142	eP	Pb	21 06 53.0	-0.2
MASBT				eS	Sb	21 07 00.9	-1.6
CHNS	Tsauling	0.65	40	iP	Pb	21 06 52.2	+0.1
CHNS				iS	Sb	21 07 02.1	+1.4
WDLH	Douliu	0.65	26	iP	Pb	21 06 52.7	+0.5
WDLH				iS	Sb	21 07 03.0	-0.6
WDLH	Gukeng	0.66	27	eP	Pb	21 07 03.9	+0.2
WDLH				iS	Sb	21 07 03.9	+0.2
ALS	Alishan	0.67	52	eP	Pb	21 06 53.0	-0.3
ALS				iS	Sb	21 07 03.4	-1.0
WDL	Douliu City	0.68	25	eP	Pb	21 06 53.2	+0.5
WDL				iS	Sb	21 07 04.2	+0.2
SPST	Xinbi	0.69	153	eP	Pb	21 06 53.9	-0.3
SPST				iS	Sb	21 07 05.4	+1.1
ELDTW	Lidau	0.73	83	eP	Pb	21 06 53.5	-0.1
ELDTW				iS	Sb	21 07 04.7	-0.9
VCHM	Qimei	0.75	279	eP	Pb	21 06 53.4	-0.5
VCHM				iS	Sb	21 07 03.5	0.0
WLCH	Liquiu	0.76	170	eP	Pb	21 06 55.6	+0.4
WLCH				iS	Sb	21 07 08.8	+2.7
TWP	Hsiaoliuchiu	0.76	171	eP	Pb	21 06 55.5	+0.3
TWP				iS	Sb	21 07 07.6	+1.5
WTCT	Ta-shang	0.76	3	eP	Pb	21 06 54.3	-0.2
WTCT				iS	Sb	21 07 01.1	-0.2
YUS	Yu-Shan	0.77	59	iP	Pb	21 06 54.7	+0.1
YUS				eS	Sb	21 07 06.3	-0.8
PNG	Penghu	0.78	307	eP	Pb	21 06 53.9	-0.5
PNG				iS	Sb	21 07 04.5	-0.1
RLNB	Eriin	0.80	8	iS	Sb	21 06 54.9	+0.1
RLNB				iS	Sb	21 07 07.2	+0.1
SCZT	Fangliu	0.81	153	iP	Pb	21 06 55.4	-0.4
SCZT				iS	Sb	21 07 07.4	+0.1
WRL	Guolierlin Hig	0.81	10	eP	Pb	21 06 54.9	-0.1
WRL				iS	Sb	21 07 06.6	+0.4
TWLG	Pinling	0.82	109	eP	Pb	21 07 08.5	+0.0
TWLG				iS	Sb	21 07 08.3	+0.6
WHYT	Xinyi Township	0.82	44	iP	Pb	21 06 55.2	-0.1
WHYT				iS	Sb	21 07 08.0	+0.1
TWGBT	Beinan	0.83	109	eP	Pb	21 06 55.6	-0.6
TWGBT				iS	Sb	21 07 08.8	+0.2
TWGBT	Beinan	0.83	109	eP	Pb	21 06 55.6	-0.6
TWGBT				iS	Sb	21 07 08.1	+0.1
ECL	Taimali	0.83	127	eP	Pb	21 06 55.4	-0.4
ECL				iS	Sb	21 07 07.2	-0.8
WJS	Zhushan	0.85	32	iP	Pb	21 06 55.6	-0.1
WJS				iS	Sb	21 07 08.5	0.0
WNT	Mingjian	0.88	28	eP	Pb	21 06 56.2	0.0
WNT				iS	Sb	21 07 08.9	-0.3
EHD	Haiduan	0.90	87	eP	Pb	21 06 56.5	-0.6
EHD				iS	Sb	21 07 09.5	-0.2
ECS	Chishang	0.91	90	eP	Pb	21 06 57.1	-0.2
ECS				iS	Sb	21 07 10.1	-0.2
EAST	Anshuo	0.91	141	eP	Pb	21 06 57.3	-0.1
EAST				iS	Sb	21 07 10.6	+0.6
TTN	Taitung	0.91	112	eP	Pb	21 06 58.1	+0.0
TTN				iS	Sb	21 07 12.6	+2.7
SSLB	Suanglung	0.95	44	eP	Pb	21 06 57.8	-0.3
SSLB				iS	Sb	21 07 11.4	+0.3
SSLB	Suanglung	0.95	44	eP	Pb	21 06 57.0	-0.5
SSLB				iS	Sb	21 07 10.7	-0.1
TAW	Tawu	0.96	140	eP	Pb	21 06 58.3	+0.3
TAW				iS	Sb	21 07 11.4	+0.3
TAW	Fuli	0.98	84	eP	Pb	21 06 58.9	+0.2
TAW				iS	Sb	21 07 13.7	+1.9
JYC	Yuchr	0.99	36	eP	Pb	21 06 57.8	-0.2
JYC				iS	Sb	21 07 12.1	+0.3
TYC				iS	Sb	21 06 57.9	-0.3
SMLT	Sun Moon Lake	0.99	38	iP	Pb	21 06 57.9	-0.3
SMLT				iS	Sb	21 07 12.8	+0.6
WCH1	Changhua City	1.01	17	eP	Pb	21 06 58.1	+0.1
WCH1				eS	Sb	21 07 12.9	+0.5
TWF1	Yuli	1.01	75	eP	Pb	21 06 58.6	-0.6
TWF1				eS	Sb	21 07 12.8	+0.3
WCHH	Zhanghua	1.02	17	eP	Pb	21 06 58.7	+0.1
WCHH				iS	Sb	21 07 12.6	+0.1
YULB	Yu-li	1.02	73	eP	Pb	21 06 58.6	-0.3
YULB				iS	Sb	21 07 12.6	-0.1
YULB	Yu-li	1.02	73	eP	Pb	21 06 58.6	-0.3
YULB				iS	Sb	21 07 12.9	+0.1
CHKT	Chengkung	1.04	90	eP	Pb	21 06 59.6	-0.2
CHKT				iS	Sb	21 07 15.4	+2.3
VWDT	VWDT	1.06	52	eP	Pb	21 06 59.4	0.0

Code	Station Name	A°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
VWDT				eS	Sn	21 07 14.1	+0.5
CHKH	Chenggong	1.08	85	eP	Pg	21 07 00.0	-0.4
CHKH				eS	Pb	21 07 16.4	+2.4
EHY	Hungye	1.08	68	eP	Pb	21 06 59.8	-0.7
EHY				iS	Sb	21 07 14.8	+0.4
EHYH	Wanrong	1.10	69	iP	Pb	21 07 03.0	+0.8
EHYH				iS	Sb	21 07 14.8	-0.4
TCU	Taichung	1.12	21	eP	Pb	21 07 00.4	+0.1
TCU				eS	Sb	21 07 16.1	+0.1
WCS	Beigang Elemen	1.14	33	eP	Pb	21 07 00.1	-0.3
WCS				iS	Sb	21 07 16.1	+0.5
ECHN	Changbin	1.14	79	eP	Pb	21 07 01.6	-0.5
HGSD	Ruisui	1.17	70	iP	Pb	21 07 01.6	-0.5
HGSD				eS	Sb	21 07 19.6	+2.2
HEN	Hengchun	1.18	157	eP	Pb	21 07 00.9	-0.4
WUSB	Renai	1.21	42	eP	Pb	21 07 01.1	-0.4
WUSB				iS	Sb	21 07 17.1	0.0
Manzhou Townsh		1.21	152	eP	Pb	21 07 00.4	-1.0
Renai		1.22	45	eP	Pb	21 07 01.6	-0.1
OWD				iS	Sb	21 07 18.7	-0.3
WARBT	Fenglin Townsh	1.23	60	iP	Pb	21 07 01.7	0.0
WARBT				eS	Sb	21 07 18.8	-0.6
TWK1	Hengchun	1.27	155	eP	Pb	21 07 01.5	-0.5
TWK2	Hengchun	1.27	155	eP	Pb	21 07 02.0	-0.2
DWJ	Dajia District	1.30	17	eP	Pb	21 07 03.2	-0.2
WDJ				eS	Sb	21 07 22.2	+0.5
ESL	Shilin	1.31	57	eP	Pb	21 07 03.3	-0.3
ESL				iS	Sb	21 07 22.3	+0.2
TWO1	Liyutan	1.34	22	eP	Pb	21 07 03.9	-0.2
TWO1				eS	Sb	21 07 22.4	-0.6
WHP	Taich						



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BBOO Buckleboe, WR8 Warramunga Arr, WB0 Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ADK Adak, QSPA South Pole Qui, GSPA South Pole Qui, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FUORN Ofenpass-Fuorn, OSUNB 16 23:14:50.3, etc.

IDC 16 22:52:55.0, 1.7, 0.72N:126.43E, h0km, mb3.7/4, mbmp3.7/4, Error ellipse: s-maj=169.5km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

NEIC 16 23:04:29.6, 2.1, 19.2S:0.1, 177.6W:0.1, h549km, 7km, mb4.2/31, Error ellipse: s-maj=19.6km s-min=15.0km

IDC 16 23:04:29.6, 1.2, 19.28S:177.64W, h550km, 13km, mb3.4/10, mbmp4.3/14, Error ellipse: s-maj=16.7km

NOU 16 23:04:31.7, 19.40S:177.64W, h563km, mb4.3/16, Fiji Islands Region

ISC 16 23:04:29.3, 0.4, 19.17S:0.09, 177.57W:0.08, h550km, n146, s191/148, mb4.0/26, 16-16D, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MSVF Nonsavu, MARNC Mare, Loyalty, PINNC Pines Island, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like THZ Tophouse, JCZ Jackson Bay, MLZ Mavora Lakes, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like STKA Stephens Creek, BBOO Buckleboe, WR8 Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ASAR Alice Springs, KNRA Kununurra, FITZ Fitzroy Crossi, etc.

ISC 16 23:06:55.2, 2.0, 26.69S:0.05, 71.27W:0.03, h10km, 1km, mb4.4/9, ML3.8, (GUC), Error ellipse: s-maj=7.8km

IDC 16 23:06:55.2, 0.9, 26.64S:70.93W, h0km, mb4.1/6, mbmp4.0/9, ML3.7/3, MS3.2/3, Error ellipse: s-maj=30.3km

SJA 16 23:06:56.0, 0.7, 26.72S:71.18W, h40km, 2km, ML4.2, ML4.3

GUC 16 23:06:58.7, 0.2, 26.77S:70.79W, h5km, 4km, ML3.8, Presumed earthquake

ISC 16 23:06:54.6, 1.6, 26.71S:0.02, 71.08W:0.05, h2km, 10km, n99, s155/117, mb4.2/7, 1D, Off coast of northern Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AC01 Pan de Azucar, AC02 Maricunga, AC03 Copiapo, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EFOR EFORIE, TURR Turia, DPC Dobruska-Polom, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MARR Marisel-Cul, PRU Pruhonice, VOIR Voir, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BIOA Bad Ischl, AUO Austria, BLBK Belogradchik, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SOTA Sankt Quirin, ABTA Abtaltersbach, DAVA Davos, etc.

ISC 16 23:06:55.2, 0.9, 26.64S:70.93W, h0km, mb4.1/6, mbmp4.0/9, ML3.7/3, MS3.2/3, Error ellipse: s-maj=30.3km

SJA 16 23:06:56.0, 0.7, 26.72S:71.18W, h40km, 2km, ML4.2, ML4.3

GUC 16 23:06:58.7, 0.2, 26.77S:70.79W, h5km, 4km, ML3.8, Presumed earthquake

ISC 16 23:06:54.6, 1.6, 26.71S:0.02, 71.08W:0.05, h2km, 10km, n99, s155/117, mb4.2/7, 1D, Off coast of northern Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AC01 Pan de Azucar, AC02 Maricunga, AC03 Copiapo, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EFOR EFORIE, TURR Turia, DPC Dobruska-Polom, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MARR Marisel-Cul, PRU Pruhonice, VOIR Voir, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BIOA Bad Ischl, AUO Austria, BLBK Belogradchik, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SOTA Sankt Quirin, ABTA Abtaltersbach, DAVA Davos, etc.







17d Oh

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like NIL Niore, MTSU Mount Surprise, and WMOQ Urumqi.

2020 OCT

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like WMOQ Wushi, WSAK Wadi Sarin, and WMOQ Urumqi.

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Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like TDK Taldyqorghan, JGF Kuroka, and TDK Taldyqorghan.

KURK	Kurchatov	56.98 344cP	P	Pmax	00 45 46.7 +0.4
KURK	comp=Z,127nm,1.1s				
KURK	Kurchatov	56.98 344 P	P	P	00 45 45.4 -0.9
KURK	comp=Z,59nm,1.2s	56.98 344 P	P	P	00 45 47.0 +0.7
TAU	Tasmania Unive	57.34 140 P	P	Pmax	00 45 48.2 -0.9
TAU	comp=Z,143nm,1.8s				
TAU	Tasmania Unive	57.34 140 P	P	P	00 45 48.2 -0.9
JTM	Tenmabayashi	57.53 36 P	P	P	00 45 49.6 -0.8
JTM	Tenmabayashi	57.53 36 P	P	P	00 45 51.0 +0.5
TEY	Ternei	57.99 30 eP	P	P	00 45 44.5 -9.1
TEY	comp=Z,110nm,1.1s				00 49 23.9
HEH	HeiHe	58.24 20 eP	P	P	00 45 55.3 +0.1
HEH	comp=Z,93nm,1.2s				00 46 04.6 +0.5
HEH	comp=Z,93nm,1.2s				00 53 56.9 +1.6
HEH	comp=Z,420nm,5.4s				
HEH	comp=Z,1um,16.6s				
HEH	comp=Z,2um,16.7s				
HEH	comp=Z,3um,15.7s				
ZAA0	Zalesovo Array	58.54 349 P	P	P	00 45 56.9 -0.3
ZALV	Zalesovo Beam	58.54 349 P	P	P	00 45 57.5 +0.2
ZALV	comp=Z,74nm,1.0s,baz=160,slow=4.7,SNR=213				
ZALV	comp=Z,0.9nm,0.7s,baz=167,slow=8.4,SNR=4.4				00 53 59.5 +0.5
ZALV	comp=Z,666nm,21.3s,baz=166,slow=39				01 13 52.7
ZALV	comp=Z,74nm,1.0s				
ZALV	Zalesovo Beam	58.54 349 P	P	P	00 45 56.7 -0.5
ZALV	Kul'dur	59.01 23c/P	P	P	00 46 00.6 0.0
ATD	Arta Tunnel	59.05 285 LR	LR	LR	01 07 16.9
HNR	Honiara	59.48 99 P	P	Pmax	00 46 04.1 -0.5
HNR	comp=Z,174nm,0.5s				
HNR	Honiara	59.48 99 P	P	P	00 46 04.1 -0.5
RAYN	Ar Rayn	59.68 300 P	P	Pmax	00 46 04.3 -1.6
RAYN	comp=Z,9.0nm,1.1s				
RAYN	Ar Rayn	59.68 300 P	P	P	00 46 04.3 -1.6
RAYN	Ar Rayn	59.68 300 P	P	P	00 46 06.9 +1.0
RAYN	comp=Z,7.1nm,1.6s				
H04N2	CROZET ISLANDS	59.94 217 T	T	T	01 51 09.6
H04N1	CROZET ISLANDS	59.95 217 T	T	T	01 51 12.3
H04N3	CROZET ISLANDS	59.95 217 T	T	T	01 51 08.7
CRZF	Crozet Islands	60.03 217 P	P	P	00 46 07.5 -0.3
H04S1	CROZET ISLANDS	60.21 216 T	T	T	01 51 25.8
H04S3	CROZET ISLANDS	60.23 216 T	T	T	01 51 30.4
H04S2	CROZET ISLANDS	60.23 216 T	T	T	01 51 26.7
ASAJ	Asahikawa	60.52 34 P	P	Pmax	00 46 10.9 -0.2
ASAJ	comp=Z,72nm,1.3s				
JKA	Kamikawa-asahi	60.52 34 P	P	IAmb	00 46 10.9 -0.2
JKA	comp=Z,72nm,1.3s				00 46 20.4
ZEA	Zeya	61.16 18 eP	P	S	00 46 15.8 +0.5
ZEA	comp=E,100nm,10.5s				00 54 35.4 +2.6
ZEA	comp=E,100nm,10.5s				
ZEA	comp=N,20nm,1.1s				
ZEA	comp=Z,300nm,1.1s				
ZEA	comp=Z,300nm,5.7s				
ZEA	comp=E,100nm,10.5s				
ZEA	comp=N,1um,18.0s				
ZEA	comp=E,400nm,18.0s				
ZEA	comp=Z,1um,17.0s				
BVAR	Borovoye Array	61.55 340 P	P	P	00 46 16.8 -1.1
BVAR	comp=Z,14nm,0.9s,baz=141,slow=7.3,SNR=48				
BORK	Borovoye	61.59 340 i/P	P	Pmax	00 46 18.2 0.0
BORK	comp=Z,38nm,1.2s				
BORK	Borovoye	61.59 340 P	P	IAmb	00 46 17.3 -0.9
BORK	comp=Z,30nm,1.1s				00 46 19.2
GRNF	Gorny	62.12 25 i/P	P	P	00 46 22.2 +0.4
GRNR	comp=Z,20nm,1.3s				
GRNR	comp=E,900nm,17.0s				
GRNR	comp=N,760nm,19.0s				
GRNR	comp=Z,1um,15.0s				
YSS	Yuzhno-Sakhali	62.43 31 eP	P	P	00 46 23.9 0.0
YSS	comp=Z,500nm,2.8s				00 46 28.4 -4.5
YSS	YSS	62.43 31 eP	P	P	00 47 09.4
YSS	YSS	62.43 31 eP	P	P	00 48 41.1
YSS	YSS	62.43 31 eP	P	P	00 54 45.9 -3.2
YSS	YSS	62.43 31 eP	P	P	00 58 50.9 -2.5
YSS	comp=Z,100nm,1.4s				
YSS	comp=Z,700nm,15.0s				
YSS	comp=N,700nm,17.0s				
YSS	comp=E,800nm,16.0s				
YSS	Yuzhno-Sakhali	62.43 31 P	P	P	00 46 23.7 -0.3
YSS	Yuzhno-Sakhali	62.43 31 P	P	P	00 46 24.2 +0.3
AB31	Akbulak array	62.97 332 i/P	P	P	00 46 27.5 0.0
AB31	Akbulak array	62.97 332 P	P	P	00 46 26.9 -0.6
AB31	Akbulak array	62.97 332 P	P	P	00 46 27.4 -0.1
KMBO	Kilima Mbogo	63.07 270 LR	LR	LR	01 10 47.8
KOUNC	Koumang, New Ca	64.46 111 P	P	LR	00 46 37.6 -0.4
AKTO	Aktyubinsk	64.69 332 LR	LR	LR	01 18 43.7
AKTO	comp=Z,59nm,19.1s,baz=86,slow=40				
AKTO	Aktyubinsk	64.69 332 P	P	P	00 46 38.4 -0.4
MAK	Makhachkala	66.20 320 eP	P	P	00 46 44.5 -4.2
MAK	comp=Z,25nm,1.9s				00 49 13.9
MAK	MAK	66.20 320 eP	P	P	00 55 30.7 -5.3
MAK	MAK	66.20 320 eP	P	P	00 59 50.1 -2.3
MAK	comp=Z,150nm,1.2s				
HAKT	HAKKARI	66.34 314 P	P	P	00 46 50.8 +0.7
HAKT	comp=Z,59nm,1.1s				
OZAP	Mont Ozalp-Mer	66.60 315 i/P	P	LR	00 46 53.5 +1.7
DZM	Van Dzumam	66.63 112 LR	LR	LR	01 18 02.3
GNI	Garni	66.72 316cP	P	P	00 46 54.1 +1.7
GNI	comp=Z,60nm,2.5s				
GNI	Garni	66.72 316 P	P	P	00 46 51.8 -0.6
GNI	comp=Z,37nm,1.3s				00 46 53.5 -7.8
GNI	comp=Z,25nm,1.9s				00 47 22.0
GNI	Garni	66.72 316 P	P	P	00 46 53.5 +1.1
GNI	comp=Z,25nm,1.9s				
GEVA	Gevas	67.12 314 P	P	IAmb	00 46 53.7 +0.8
GEVA	comp=Z,17nm,1.0s				00 46 58.7
DIGO	Kars	67.78 316 P	P	P	00 47 00.8 +1.6
GURO	Guromak-BITLI	67.95 314 P	P	P	00 47 00.4 +0.2
GURO	comp=Z,46nm,1.5s				00 47 01.5 -7.6
GURO	comp=Z,33nm,1.2s				

SVE	Sverdlovsk	68.04 338 eP	P	P	00 47 00.8 +0.7
SVE	comp=Z,79nm,1.3s				00 55 58.9 +1.3
SVE	SVE	68.04 338 eP	P	S	01 00 23.9
SVE	comp=Z,982nm,22.0s				
ARTI	Arti	68.60 336 LR	LR	LR	01 19 49.2
ARTI	Arti	68.60 336c/P	P	P	00 47 03.7 0.0
ARTI	Arti	68.60 336c/P	P	P	00 47 31.4
ARTI	Arti	68.60 336c/P	P	S	00 56 04.1 -0.2
ARTI	comp=Z,50nm,1.3s				
ARTI	comp=Z,915nm,20.0s				
ARTI	Arti	68.60 336 P	P	IAmb	00 47 03.4 -0.3
ARTI	comp=Z,47nm,1.2s				00 47 04.9
EPOS	Posof	68.69 317 P	P	P	00 47 06.2 +1.5
YAK	Yakutsk	68.94 14 LR	LR	LR	01 21 18.0
YAK	Yakutsk	68.94 14d/P	P	P	00 47 05.4 -0.2
YAK	Yakutsk	68.94 14d/P	P	P	00 47 27.6
YAK	Yakutsk	68.94 14d/P	P	P	00 49 35.2
YAK	Yakutsk	68.94 14d/P	P	P	00 56 09.6 +1.5
YAK	Yakutsk	68.94 14d/P	P	P	00 57 06.0
YAK	comp=Z,125nm,1.1s				01 00 34.1 0.0
YAK	comp=N,35nm,1.1s				
YAK	comp=E,31nm,1.3s				
YAK	comp=Z,228nm,5.4s				
YAK	comp=N,113nm,3.8s				
YAK	comp=E,142nm,4.3s				
YAK	comp=E,109nm,4.6s				
YAK	comp=N,88nm,4.1s				
YAK	comp=Z,3um,15.0s				
YAK	comp=N,2um,18.0s				
YAK	comp=E,1um,19.0s				
YAK	Yakutsk	68.94 14 P	P	P	00 47 04.6 -1.0
YAK	Yakutsk	68.94 14 P	P	P	00 47 05.2 -0.5
NCK	Nalchik	68.98 319 i/P	P	P	00 47 07.4 +1.1
NCK	comp=Z,41nm,1.2s				
MAW	Mawson	69.08 194 LR	LR	LR	01 11 05.4
MAW	comp=Z,882nm,22.0s,baz=34,slow=30				
NEUR	Neytrino	69.46 319c/P	P	Pmax	00 47 11.1 +1.6
NEUR	comp=Z,30nm,1.4s				
POGA	Pongola	69.52 242 P	P	IAmb	00 47 09.7 -0.4
POGA	comp=Z,39nm,1.5s				00 47 48.0
KBZ	Khabaz	69.53 319 P	P	P	00 47 10.7 +1.0
KBZ	comp=Z,19nm,1.1s,baz=98,slow=4.5,SNR=35				
KBZ	comp=Z,167nm,19.6s,baz=108,slow=40				01 21 44.0
MBAR	Mbarara	69.60 271 LR	LR	LR	01 14 26.7
MBAR	comp=Z,233nm,18.6s,baz=88,slow=33				
MBAR	Mbarara	69.60 271 i/P	P	Pmax	00 47 11.8 +0.8
MBAR	comp=Z,10.0nm,1.3s				
KOPT	Kop Dagl	69.63 315 P	P	IAmb	00 47 10.8 +0.1
KOPT	comp=Z,28nm,1.3s				00 47 30.1
ASF	Jabal al Asfar	69.64 306 LR	LR	LR	01 18 09.0
ASF	comp=Z,891nm,19.3s,baz=103,slow=36				
ASF	Jabal al Asfar	69.64 306 P	P	P	00 47 13.4 +2.6
SHA1	Shidzhatmaz	69.70 319c/P	P	P	00 47 11.4 +0.4
KIV	Kislovodsk	69.77 319 i/P	P	P	00 47 12.6 +1.3
KIV	Kislovodsk	69.77 319i/P	P	Pmax	00 47 12.7 +1.3
KIV	comp=Z,74nm,1.7s				
KIV	Kislovodsk	69.77 319 P	P	IAmb	00 47 11.5 +0.2
KIV	comp=Z,49nm,1.2s				00 47 13.5
KIV	Kislovodsk	69.77 319 P	P	P	00 47 11.6 +0.3
KIV	comp=Z,450nm,comp=Z,29nm,1.5s				
KIV	Kislovodsk	69.77 319 P	P	P	00 47 12.2 +0.9
GOF	Gofitskoye	70.03 321cP	P	P	00 47 13.6 +0.8
AQB3	Aqaba	70.46 303 P	P	P	00 47 19.2 +3.5
EIL	Elat	70.53 303 LR	LR	LR	01 17 18.7
EIL	comp=Z,1um,19.9s,baz=101,slow=35				
EIL	Elat	70.53 303 P	P	P	00 47 18.8 +2.7
EIL	comp=Z,414nm,comp=Z,28nm,1.2s				
EIL	Elat	70.53 303 P	P	P	00 47 18.5 +2.4
HRFI	Mount Harif	70.56 303 P	P	P	00 47 18.8 +2.5
HRFI	comp=Z,28nm,1.2s				
HRFI	Mount Harif	70.56 303 P	P	P	00 47 18.4 +2.1
KELT	Kelkit	70.56 315 P	P	P	00 47 17.7 +1.4
PRNI	Paran	70.67 304 P	P	P	00 47 19.6 +2.6
KEMA	Kemaliye	70.78 314 P	P	P	00 47 19.1 +1.5
KEMA	comp=Z,39nm,1.0s				
MMLI	Mount Malkishu	70.91 306 P	P	P	00 47 21.2 +2.7
GEM	Giv'at Ha'Em	70.95 307 P	P	P	00 47 30.0 +1.1
GAZ	Gaziantep	71.00 311 P	P	IAmb	00 47 19.1 +0.1
GAZ	comp=Z,41nm,1.2s				00 47 21.8
BELG	Belogoroye	71.04 329 LR	LR	LR	01 23 00.3
BELG	comp=Z,384nm,20.6s,baz=112,slow=40				
BELG	Belogoroye	71.04 329c/P	P	Pmax	00 47 18.1 -0.6
MMAI	Mount Meron Ar	71.10 306 P	P	P	00 47 20.4 +0.7
MMAI	comp=Z,5.8nm,1.0s,baz=76,slow=10,SNR=6.5				
MMAI	comp=Z,5.8nm,1.0s				01 18 47.9
VSLR	Vesolyoye	71.31 318 i/P	P	Pmax	00 47 20.3 -0.3
VSLR	comp=Z,59nm,1.3s				
KZIT	Kziot	71.32 304 P	P	P	00 47 23.9 +3.0
KZIT	comp=Z,424nm,comp=Z,25nm,1.5s				
KZIT	Kziot	71.32 304 P	P	P	00 47 23.4 +2.5
LABN	Labinsk	71.34 319 eP	P	P	00 47 20.1 -0.6
LABN	comp=Z,39nm,1.0s				00 56 36.9 0.0
LABN	LABN	71.34 319 eP	P	Pmax	
SOC	Sochi	71.57 318c/P	P	P	00 47 22.3 +0.2
SOC	comp=Z,20nm,0.7s				00 49 56.8
SOC	SOC	71.57 318c/P	P	ePPP	00 51 46.2
SOC	SOC	71.57 318c/P	P	eSS	00 56 41.2 +1.6
SOC	SOC	71.57 318c/P	P	eSS	01 01 17.3 +2.0
SOC	comp=Z,21nm,0.9s				
SOC	SOC	71.57 318c/P	P	MLR	
ANDN	Andirinj	71.78 311 P	P	P	00 47 25.1 +1.4
ANDN	comp=Z,34nm,1.1s				

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like BALB, PURM, KLMR, SUR, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like LOT, GRG, CJR, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like ACER, ZST, BEHE, etc.



Code	Station Name	Δ <sup>o</sup>	AZ <sup>o</sup>	Phase ID	h	m	s	Res
JYNG		01 17 10.8	+0.1					
CHN2	Minshuang	1.22 248	eP					
CHN2		01 17 14.5	+1.6					
WRL	Guolierlin Hig	1.22 266	eP					
FLNB	Erlin	1.24 266	eP					
FLNB		01 16 57.2	+1.4					
WTP	Ta-pu	1.25 234	eP					
WTP		01 17 14.3	+0.6					
YOJ	Yonaguni jima	1.27 68	eP					
YOJ		01 16 56.5	+0.3					
YOJ	Yonaguni jima	1.27 68	eP					
YOJ		01 16 56.6	+0.3					
YOJ	Yonaguni jima	1.27 68	eP					
YOJ		01 17 12.6	+0.5					
CHY	Chiayi	1.28 248	eP					
CHY		01 16 58.0	+1.7					
CHY		01 17 16.0	+1.5					
TWV	Chenhuwa	1.28 355	eP					
TWV		01 16 58.9	+0.8					
TWV	Piulang	1.31 207	eP					
TWV		01 16 55.1	+1.1					
TWGT	Beinan	1.31 206	eP					
TWGT		01 16 56.7	0.0					
TWGT	Beinan	1.31 206	eP					
TWGT		01 16 55.8	-0.9					
WTCT	Ta-ch'eng	1.32 265	eP					
WTCT		01 16 58.3	+1.5					
WTW	Hsiyung	1.33 237	eP					
WTW		01 17 15.8	+0.3					
TTN	Taitung	1.34 203	eP					
TTN		01 16 58.9	+1.4					
CHN1	Nanshi	1.35 234	eP					
CHN1		01 16 58.8	+1.4					
CHN1		01 17 17.3	+0.7					
SGST	Jiashan	1.38 229	eP					
SGST		01 16 58.4	+0.7					
SLGT	Liugui	1.40 225	eP					
SLGT		01 16 59.9	+1.8					
SLGT		01 17 18.5	+0.7					
WSF	Szhu	1.41 256	eP					
WSF		01 16 59.7	+1.6					
CHN3	Shinhua	1.54 234	eP					
CHN3		01 17 19.1	+0.9					
ECL	Taimali	1.56 207	eP					
ECL		01 17 23.8	+2.0					
SSHA	Shanhua	1.56 237	eP					
SSHA		01 17 00.1	0.0					
SSHA		01 17 02.0	+1.1					
SSD	Sandimen	1.59 219	eP					
SSD		01 17 02.6	+0.5					
SSD		01 17 20.3	+0.5					
SCLT	Jiali	1.61 240	eP					
SCLT		01 17 22.9	-0.5					
SCVT	Pengchaiyu	1.66 11	eP					
SCVT		01 17 02.9	+2.4					
PCYT		01 17 02.1	+0.6					
TWM1	Shoushan	1.66 226	eP					
TWM1		01 17 23.7	+2.0					
MASBT	Mashibuluo	1.70 216	eP					
MASBT		01 17 04.4	+0.5					
MASBT		01 17 03.5	+1.4					
MASBT		01 17 25.7	-0.7					
TSCK	Chigu Township	1.71 241	eP					
TSCK		01 17 03.8	+1.5					
TSCK		01 17 24.9	+1.9					
EAST	Anshuo	1.79 207	eP					
EAST		01 17 03.1	+0.3					
TAW	Tawu	1.79 205	eP					
TAW		01 17 23.9	-1.1					
SSPT	Xinbi	1.83 215	eP					
SSPT		01 17 04.4	+1.0					
IRIF	Iriomote-Funau	1.87 79	eP					
IRIF		01 17 24.7	-0.3					
IRIF		01 17 07.0	-0.7					
WSSB	Gushan	1.89 225	eP					
WSSB		01 17 05.1	+0.6					
WSSB		01 17 27.9	+0.3					
SCZT	Fangliu	1.90 212	eP					
SCZT		01 17 06.2	+1.4					
HATJ	Hateruma jima	1.92 88	eP					
HATJ		01 17 07.4	-1.5					
LAY	Lan-yu	1.95 184	eP					
LAY		01 17 07.3	-1.6					
LYUB	Lan-yu	1.99 183	eP					
LYUB		01 17 05.3	-0.8					
WDGT	Dungji	2.02 249	eP					
WDGT		01 17 07.4	+0.9					
PNG	Penghu	2.02 258	eP					
PNG		01 17 32.9	+2.3					
PNG		01 17 06.2	+0.1					
JKRS	Kuro-shima	2.11 83	eP					
JKRS		01 17 31.1	+0.5					
JKRS		01 17 08.5	+0.7					
SMST	Manzhou Townsh	2.12 202	eP					
SMST		01 17 33.7	+0.8					
SMST		01 17 10.3	+2.4					
TWK1	Hengchun	2.21 202	eP					
TWK1		01 17 35.8	+2.6					
TWK1		01 17 11.2	+2.4					
TWK1		01 17 39.0	-1.9					
VCHM	Qimei	2.23 250	eP					
VCHM		01 17 10.8	+1.7					
VCHM		01 17 10.4	+0.9					
VCHM		01 17 37.5	+1.6					
JJU	Ishigaki jima	2.25 80	eP					
JJU		01 17 10.0	+0.3					
VWUC	VWUC	2.29 296	eP					
VWUC		01 17 35.2	-1.1					
VWUC		01 17 09.6	-0.6					
JISG	Ishigakijimahi	2.44 75	eP					
JISG		01 17 34.9	-2.3					
JISG		01 17 12.3	0.0					
PTMZ	Houxiangcun	2.58 294	eP					
PTMZ		01 17 40.2	-0.9					
MATB	Ma-tsu	2.68 324	eP					
MATB		01 17 28.8	+0.5					
MATB		01 17 15.3	-0.3					
JTJ	Tarama	2.80 76	eP					
JTJ		01 17 49.5	-0.5					
KNM	Kimmen	3.02 279	eP					
KNM		01 17 21.6	+1.3					
KNM		01 17 20.6	-0.3					
LYJ	Chin-men Tao	3.07 279	eP					
LYJ		01 17 21.2	-0.1					
PNZ	Feshan	3.21 311	eP					
PNZ		01 17 21.9	+0.7					
XPSS	Dashiiju	3.23 335	eP					
XPSS		01 17 22.1	-1.0					
JIRJ	Irabujima	3.28 75	eP					
JIRJ		01 18 01.6	-0.2					
AXDP	Jialang	3.53 286	eP					
AXDP		01 17 27.1	-0.2					
ZPLA	Ao Xicun	3.62 270	eP					
ZPLA		01 17 27.9	-0.7					
DSXP	Dongshan	3.93 267	eP					
DSXP		01 17 32.0	-0.5					
JOW	Korea Arry	14.44 20	AML					
KSR5		0.5nm, 0.3s, baz=201, slow=11, SNR=9.4						
KSR5		2.6nm, 0.6s						
KSR5		01 20 00.1	+3.4					
LZDM	Lanzhou Arry	19.60 312	AML					
LZDM		comp=Z,157nm,19.9s,slow=220,slow=37						
LZDM		01 20 30.8						
ZALV	Zalesovo Beam	40.67 327	P					
ZALV		0.6nm, 0.4s, baz=113, slow=8.5, SNR=2.4						
ZALV		01 24 10.9	-0.8					
WRA	Warramunga Arr	45.37 163	P					
WRA		0.4nm, 0.7s, baz=343, slow=8.1, SNR=3.1						
WRA		01 24 47.4	-2.7					
ASAR	Alice Springs	48.83 165	P					
ASAR		0.6nm, 0.8s, baz=350, slow=9.4, SNR=4.2						
ASAR		01 25 15.5	-1.6					
FINES	FINES Array B	71.85 330	P					
FINES		0.6nm, 0.8s, baz=59, slow=4.9, SNR=0.9						
FINES		01 27 52.4	-1.6					
<p>border region</p> <p>IDC 17 01:16:31.1e3.0.36:27N:70.99E, h130km, m26km, mb3.8/22, mbmp4.3/27, Error ellipse: s-maj=17.3km s-min=11.3km az=22.0</p> <p>MOS 17 01:16:34.6e0.8.36:51N:71.03E, h171km, mb4.3/19, Error ellipse: s-maj=6.6km s-min=3.7km az=80.2</p> <p>NEIC 17 01:16:35.9e2.0.36:51N:05:71.00E:0.10, h167km, 7km, mb4.4/35, Error ellipse: s-maj=11.4km s-min=6.3km az=100.0</p> <p>GFZ 17 01:16:36.5e0.2.37N:3:77E:1e, h155km, M4.2/18, mb4.1/18</p> <p>NNC 17 01:16:38.5e2.8.36:83N:70.82E, h172km, m25km, mb3.6, mpv4.8, Error ellipse: s-maj=24.9km s-min=13.3km az=25.0</p> <p>ISC 17 01:16:36.7e0.3.36:46N:0.04:71.02E:0.10, h188km, m278, c2504/294, mb4.2/48, 10C-7D, Afghanistan-Tajikistan</p>								
Code	Station Name	Δ <sup>o</sup>	AZ <sup>o</sup>	Phase ID	h	m	s	Res
KBL	Kabul	2.51 221	eP					
KBL		01 17 18.1	-2.1					
KBL		01 17 19.3	-1.0					
DRK	Karamyk	3.07 11	PN					
DRK		01 17 24.9	-1.9					
DRK		01 17 25.1	-1.8					
DRK		01 17 29.6	-0.4					
NIL	Nilore	3.35 146	PN					
NIL		01 17 29.6	-0.4					



Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other technical details for various stations.

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Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like KPJI Karang Pucung, BBJI Bungbulang, MEEK Meekatharra, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like ETLH Toucheng, NTC Toucheng, FUSB Fushanzhiwuyua, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like TWGBT Pinlang, TWG Pinlang, CHN1 Nanshi, etc.

IDC 17 03:13:55.6z 1.3, 27:54S; 178:34W, h260km, 9km, mb3.5/5, mbmp4, 1/6, Error ellipse: s-maj=26.2km s-min=18.3km

ISC 17 03:13:54.2z 1.1, 27:45S; 0:178:40W, 0.2, h250km, n17, d0562/22, mb4.0/8, AC, Kermadec Islands region

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like RAO Raoul Island, RAO Raoul Island, URZ Urewera, etc.

IDC 17 03:25:27.4z 0.8, 38:20S; 48:57E, h0km, mb4.1/8, mbmp4, 1/8, MS3.5/18, Error ellipse: s-maj=32.9km

NEIC 17 03:25:29.0z 0.8, 38:26S; 0:08:48E, 0.3, h10km, 1km, mb4.4/6, Error ellipse: s-maj=36.2km s-min=10.0km

ISC 17 03:25:29.4z 0.7, 38:22S; 0:09:48E, 0.1, h12km, n46, d0562/22, mb4.4/12, MS3.4/18, 4D, Southwest Indian Ridge

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like H04N1 CROZET ISLANDS, H04N2 CROZET ISLANDS, H04N3 CROZET ISLANDS, etc.

JMA 17 02:51:35.2z 0.1, 24:31N; 0:5:121.9E, 0.6, h42km, 2km, MV2.5/11, TAIWAN REGION

TAP 17 02:51:35.4z 0.8, 24:21N; 121.93E, h25km, ML3.5, B, ISC 17 02:51:35.4z 0.8, 24:23N; 0:01:121.98E, 0.02, h19km, 6km, n123, d0886/21, TAIWAN

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like EWUT Wuta, EAHA Aohua, ENA Nanau, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, WB0 Warramunga Arr, GNI Garni, KVAR Kislovodsk Arr, KEST Kesra, PLCA Paso Flores, MDT Midett, ESDC Souseca Array, ILAR Eielson Array.

IDC 17 03:37:03.4.3.8, 19'45N-146'94E, h10km, mb3.9/4, mbtmp3.9/4, Error ellipse: s-maj=194.3km s-min=36.1km az=95.0, Mariana Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, FITZ Fitzroy Crossi, ASAR Alice Springs, FINES FINES Array B.

IDC 17 03:53:00.7.1.0.22'50Sx70'57W, h0km, mb3.7/4, mbtmp3.7/8, ML3.8/4, MS3.4/3, Error ellipse: s-maj=24.4km s-min=16.3km az=95.0

SJA 17 03:53:03.4.0.8.22'53Sx70'47W, h32km, 2km, ML3.9, MW4.0

GFZ 17 03:53:03.4.0.3.23'52.2x7'1W, h10km, M4.4/7, mb4.3/6 GUC 17 03:53:05.7.0.8.22'54Sx70'42W, h29km, 7km, ML4.0, Presumed earthquake

NEIC 17 03:53:05.6.1.8.22'56S.0'03x70'35W, 0.0'05, h29km, 5km, mb4.2/6, ML4.0(GUC), Error ellipse: s-maj=7.8km s-min=2.6km az=111.0

ISC 17 03:53:03.5.1.4.22'56S.0'02x70'48W, 0.0'04, h20km, 7km, n109, e128/122, mb4.1/5, MS3.3/3, 1C-5D, Near coast of northern Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB05 IPOC Station P, PB05 IPOC Station P, PB05 IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB05 IPOC Station P, PB05 IPOC Station P, PB05 IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB05 IPOC Station P, PB05 IPOC Station P, PB05 IPOC Station P.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB06 IPOC Station P, PB06 IPOC Station P, PB06 IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB06 IPOC Station P, PB06 IPOC Station P, PB06 IPOC Station P.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB07 IPOC Station P, PB07 IPOC Station P, PB07 IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB07 IPOC Station P, PB07 IPOC Station P, PB07 IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB02 IPOC Station P, PB02 IPOC Station P, PB02 IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB02 IPOC Station P, PB02 IPOC Station P, PB02 IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB09 IPOC Station P, PB09 IPOC Station P, PB09 IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB09 IPOC Station P, PB09 IPOC Station P, PB09 IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TA01 Diego Arcarena, TA01 Diego Arcarena, TA01 Diego Arcarena.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TA01 Diego Arcarena, TA01 Diego Arcarena, TA01 Diego Arcarena.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB14 IPOC Station P, PB14 IPOC Station P, PB14 IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB08 IPOC Station P, PB08 IPOC Station P, PB08 IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB08 IPOC Station P, PB08 IPOC Station P, PB08 IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB11 IPOC Station P, PB11 IPOC Station P, PB11 IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB11 IPOC Station P, PB11 IPOC Station P, PB11 IPOC Station P.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB12 IPOC Station P, PB12 IPOC Station P, PB12 IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB12 IPOC Station P, PB12 IPOC Station P, PB12 IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB16 IPOC Station P, PB16 IPOC Station P, PB16 IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB16 IPOC Station P, PB16 IPOC Station P, PB16 IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB18 IPOC Station P, PB18 IPOC Station P, PB18 IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB18 IPOC Station P, PB18 IPOC Station P, PB18 IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LPAZ La Paz, LPAZ La Paz, LPAZ La Paz.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LPAZ La Paz, LPAZ La Paz, LPAZ La Paz.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CO01 Juntas del Tor, CO01 Juntas del Tor, CO01 Juntas del Tor.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CO01 Juntas del Tor, CO01 Juntas del Tor, CO01 Juntas del Tor.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CFA Coronel Fontan, CFA Coronel Fontan, CFA Coronel Fontan.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CFA Coronel Fontan, CFA Coronel Fontan, CFA Coronel Fontan.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CFA Coronel Fontan, CFA Coronel Fontan, CFA Coronel Fontan.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SIV Villa Florida, SIV Villa Florida, SIV Villa Florida.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CPUP Torquist, CPUP Torquist, CPUP Torquist.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MACA Manacapuru-AM, MACA Manacapuru-AM, MACA Manacapuru-AM.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BOAV Boa Vista, BOAV Boa Vista, BOAV Boa Vista.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SDV Santo Domingo, SDV Santo Domingo, SDV Santo Domingo.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MDP Montagnes des, MDP Montagnes des, MDP Montagnes des.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RCBR Rachiuelo, RCBR Rachiuelo, RCBR Rachiuelo.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TXAR Lajitas Array, TXAR Lajitas Array, TXAR Lajitas Array.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TXAR Lajitas Array, TXAR Lajitas Array, TXAR Lajitas Array.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JKT Katashina, JKT Katashina, JKT Katashina.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JKT Katashina, JKT Katashina, JKT Katashina.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JKT Katashina, JKT Katashina, JKT Katashina.

IDC 17 04:00:09.2.1.2.36'93N-138'57E, h0km, mb3.6/3, mbtmp3.6/4, ML3.6/1, MS3.0/5, Error ellipse: s-maj=15.3km s-min=8.5km az=35.0

NIED 17 04:00:09.9.0.1.37'0N.0'04x138'6E.0.3, h10km, MW3.7, Moment Tensor Solution. s3 Moment tensor: Scale 10^14Nm; Mn2.19; Mw2.22; Ms0.03; Mo0.20; Mw2.53; Mw1.25; Fault plane solution: Ms3.52000x10^14 NP1: 270.00000, 852.00000, 141.00000. NP2: 26.00000, 861.00000, 145.00000.

JMA 17 04:00:09.9.0.1.37'0N.0'03x138'6E.0.3, h10km, 1km, MW3.7/20, MID NIGATA PREF. JMA Felt III JI at MID NIGATA PREF.

ISC 17 04:00:09.9.0.1.37'0N.0'04x138'6E.0.3, h3km, 11km, n17, e15/20, mb3.6/3, MS3.0/3, 9D, Eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JGK Kuni, JGK Kuni, JGK Kuni.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JGK Kuni, JGK Kuni, JGK Kuni.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JGK Kuni, JGK Kuni, JGK Kuni.

GFZ 17 04:32:04.3.0.3.74'N.4'x', h10km, M4.7/29, mb4.2/29, Error ellipse: s-maj=10.7km s-min=4.5km az=36.5, confirmed

GFZ 17 04:32:04.3.73'91N.8'66E, h10km, Mw4.5/17, Moment Tensor Solution. Moment tensor: Scale 10^15Nm; Mn-6.68; Mw3.96; Mw2.72; Mn-2.12; Ms1.30; Mw-0.86; Fault plane solution: Ms6.38681x10^15 NP1: 60.99151, 855.77879, -1-87.29808. NP2: 236.19482, 834.31475, -1-93.96478. Principal axes: T 5.2107, P1g10.74099, Azm149.0472; N 1.9144, P2g2.23399, Azm239.4712; P -7.1251, P1g79.02399, Azm341.0741.

NAO 17 04:32:05.0.0.6.73'98N.9'08E, h10km, ML4.1 IDC 17 04:32:05.1.0.6.73'85N.8'85E, h0km, mb3.9/19, mbtmp3.9/25, ML3.5, MS3.6/42, Error ellipse: s-maj=13.1km s-min=9.8km az=75.0

BER 17 04:32:05.4.4.3.73'07N.8'33E, h10km, Mw4.6, ML4.1(NAO), Confirmed Earthquake

NEIC 17 04:32:06.2.1.9.73'88N.0'08x8'6E.0.3, h10km, 1km, mb4.5/19, Error ellipse: s-maj=13.7km s-min=12.0km az=46.0

FCIAR 17 04:32:09.0.73'72N.11'98E, h10km, station OMEGA has station magnitude of 3.70

KOLA 17 04:32:13.5.73'53N.10'81E, h0km, ML2.3, Error ellipse: s-maj=21.5km s-min=14.6km az=140.0, Norwegian sea

DNK 17 04:32:13.2.7.74'56N.6'25E, h0km, 75km, ML1.9, Presumed earthquake

ISC 17 04:32:05.7.0.4.73'38N.0'04x9'32E.0'05, h10km, n230, e28/29, mb4.1/43, MS3.5/40, 6C, Greenland Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BJO1 Bjornoya, BJO1 Bjornoya, BJO1 Bjornoya.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BJO1 Bjornoya, BJO1 Bjornoya, BJO1 Bjornoya.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BJO1 Bjornoya, BJO1 Bjornoya, BJO1 Bjornoya.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BJO1 Bjornoya, BJO1 Bjornoya, BJO1 Bjornoya.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BJO1 Bjornoya, BJO1 Bjornoya, BJO1 Bjornoya.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BJO1 Bjornoya, BJO1 Bjornoya, BJO1 Bjornoya.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BJO1 Bjornoya, BJO1 Bjornoya, BJO1 Bjornoya.





17d 4h

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H11S2 WAKE ISLAND, H11S1 WAKE ISLAND, H11S3 WAKE ISLAND, SONM1 Songoing Array, etc.

BUJ 17 04:47:59.2, 45°15'N, 150°55'E, h50km, mb4.9/18, mb4.8/59, Ms4.4/39, Ms7.4/240
BGR 17 04:48:01.4, 44.86°N, 149.27°E, h33km, mb4.9, Ms4.4
SKHL 17 04:48:02.8, 0.2, 45°10'N, 150°30'E, h71km, 9km, mb5.5/14
GFZ 17 04:48:03.8, 0.2, 45°14'N, 150°02'E, h50km, M4.9/88, mb5.0/88
MOS 17 04:48:03.3, 0.9, 45°31'N, 150°06'E, h64km, mb5.2/48, Ms4.0/9, Error ellipse: s-maj=6.0km s-min=4.5km az=113.4
JMA 17 04:48:04.1, 0.6, 45°15'N, 150°02'E, h30km, MD4.9/20, mb4.9/20, KURILE ISLANDS REGION
NIED 17 04:48:04.1, 45°05'N, 150°04'E, h30km, MW4.8, Moment Tensor Solution. s3 Moment tensor: Scale 10^16Nm; Mn:0.50; Mw:0.62; Ms:0.12; Ml:0.92; Mb:0.79; Mbr:1.45; Fault plane solution: Mo:1.95000x10^16 NP1: phi=277.00000, delta=22.00000, lambda=154.00000. NP2: phi=31.00000, delta=80.00000, lambda=70.00000
GCMT 17 04:48:05.2, 0.3, 45°40'N, 02°15'02'E, h57km, 1km, MV4.9/91, Moment Tensor Solution. s66, c92; s91, c119; Duration: 0 Moment tensor: Scale 10^16Nm; Mn:2.61±.10; Mw:1.32±.10; Ms:1.29±.09; Ml:0.48±.07; Mb:1.45±.06; Mbr:0.55±.05; Best double couple: M2:78000x10^16 NP1: phi=146.00000, delta=837.00000, lambda=132.00000. NP2: phi=224.00000, delta=853.00000, lambda=189.00000. Principal axes: T: 2.7080, P: 82.0000, Azm:127.0000; N: 0, 14400, P: 1.0000, Azm:255.0000; S: 2.8530, P: 0.0000, Azm:315.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function
NEIC 17 04:48:05.2, 1.6, 45°37'N, 0°08', 150°05'E, h60km, 5km, mb5.2/660 Error ellipse: s-maj=12.5km s-min=10.0km az=133.0
IDC 17 04:48:06.2, 2.1, 45°42'N, 150°02'E, h74km, 18km, mb4.3/27, mb4.3/27, MS4.0/69, Error ellipse: s-maj=12.3km s-min=9.6km az=141.0
ISC 17 04:48:07.0, 3.3, 45°32'N, 0°03', 150°06'E, h53km, 2km, h53km; p-P, n961, c1555736, mb5.1/502, MS4.2/79, 50C-342, Kuril Islands

Main station data table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like KUR Kuril'sk, SHO Shikotan, YUK Yuzh-Kuril'sk, MAJO Matushiro, etc.

2020 OCT

Main station data table with columns: Station Name, Azimuth, Phase ID, Time, Res. Lists stations like YSS Yuzhno-Sakhali, JKA Kamikawa, ASAJ Asahikawa, JCH Churui, etc.

830

Main station data table with columns: Station Name, Azimuth, Phase ID, Time, Res. Lists stations like HEH, ZEA Zeya, CN2, SEY Seymchan, etc.







Table with columns for flight ID, destination, time, status, and other details. Includes flights like Paradox Valley, Idaho Springs, Malin Array Be, etc.

Table with columns for flight ID, destination, time, status, and other details. Includes flights like Caraliu, Carcaiu, Vri Vri, etc.

Table with columns for flight ID, destination, time, status, and other details. Includes flights like MODS, MODS, MODS, etc.



ARMA	Armidade	34.07 244	P	P	05 25 48.3 -1.6
AUPHS	Peel High Scho	34.83 243	P	P	05 25 56.6 +0.3
AULRC	Lighting Ridge	37.04 246	P	P	05 26 16.3 +1.1
KRVIT	Keravat (AS076)	37.30 289	LR	LR	05 25 40.0 +1.9
CAN	Canberra	37.35 236	P	P	05 26 16.5 -1.4
CAN	Canberra	37.35 236	P	P	05 26 16.4 -1.4
MILA	Mila	37.73 234	P	P	05 26 17.7 -3.3
CTA	Charters Tower	38.50 261	LR	LR	05 26 28.1 +0.4
CTAO	Charters Tower	38.50 261	P	P	05 26 27.4 -0.3
CTAO	Charters Tower	38.50 261	Iamb	Iamb	05 26 43.9
CTAO	Charters Tower	38.50 261	P	P	05 26 27.1 -0.6
CMSA	Cobar Meteorol	39.28 243	P	P	05 26 33.7 -0.4
PTCN	Pitcairn Islan	39.93 107	P	P	05 26 38.4 -1.2
QLP	Quilpie	40.13 251	P	P	05 26 40.1 -1.1
MTSU	Mount Surprise	40.55 264	P	P	05 26 44.4 -0.5
TOO	Toolangi	40.68 234	Iamb	Iamb	05 27 37.6
HON	Honolulu	42.68 21	P	P	05 27 02.9 +0.8
STKA	Stephens Creek	42.79 243	P	P	05 27 02.9 -0.2
STKA	Stephens Creek	42.79 243	LR	LR	05 27 02.5 -0.5
BBOO	Bucklebo	47.54 243	P	P	05 27 39.4 -1.4
BBOO	Bucklebo	47.54 243	P	P	05 27 40.1 -0.7
WR8	Warrunguna Arr	49.64 260	P	P	05 27 55.4 -0.8
WR8	Warrunguna Arr	49.64 260	Iamb	Iamb	05 27 57.4
ASO1	Alice Springs	49.55 255	P	P	05 27 57.3 +0.9
AS31	Alice Springs	49.55 255	P	P	05 27 56.4 -0.4
ASAR	Alice Springs	49.55 255	P	P	05 27 57.0 +0.2
ASAR	Alice Springs	49.55 255	S	S	05 35 00.9 -4.3
ASAR	Alice Springs	49.55 255	P	P	05 27 56.1 -0.6
AUALC	St Philip's Co	49.61 255	P	P	05 27 58.2 +1.3
WRAB	Tennant Creek	49.63 260	P	P	05 27 57.6 +0.6
WRAB	Tennant Creek	49.63 260	P	P	05 27 56.5 -0.5
WRAB	Tennant Creek	49.63 260	P	P	05 27 57.2 +0.1
WRA	Warrunguna Arr	49.64 260	S	S	05 35 01.1 -4.9
WRA	Warrunguna Arr	49.64 260	LR	LR	05 27 55.8 -1.4
GUMO	Guam	52.81 305	LR	LR	05 48 36.1
FORT	Forrest	54.33 245	P	P	05 28 30.4 -1.5
FORT	Forrest	54.33 245	Iamb	Iamb	05 28 51.0
SIJI	Sorong	57.65 281	LR	LR	05 53 21.9
FITZ	Fitzroy Crossi	58.06 260	LR	LR	05 54 37.1
FITZ	Fitzroy Crossi	58.06 260	P	P	05 28 57.2 -1.5
RPN	Rapa Nui	58.40 111	LR	LR	05 47 22.4
SBA	Scott Base	59.67 185	P	P	05 29 08.4 -0.6
SBA	Scott Base	59.67 185	Iamb	Iamb	05 29 12.9
SBA	Scott Base	59.67 185	P	P	05 29 09.0 0.0
VNDA	Vanda	59.81 186	P	P	05 29 11.4 +1.4
VNDA	Vanda	59.81 186	P	P	05 29 09.9 -0.1
VNDA	Vanda	59.81 186	P	P	05 29 11.4 +1.4
SOE1	Soe	61.36 269	P	P	05 29 23.9 +2.2
AUKUL	Kulin High Sch	62.62 242	P	P	05 29 31.3 +1.5
MBWA	Marble Bar	62.92 255	P	P	05 29 30.6 -1.4
KLBR	Kellerberrin	63.07 244	P	P	05 29 34.3 +1.5
KLBR	Kellerberrin	63.07 244	P	P	05 29 33.5 +0.7
CASY	Casey	67.34 205	P	P	05 29 59.2 -0.7
QSPA	South Pole Qui	71.00 180	P	P	05 30 24.1 +1.3
MJAR	Matsushiro Arr	72.08 320	P	P	05 30 36.1 +6.6
MJAR	Matsushiro Arr	72.08 320	LR	LR	05 56 05.6
LPIG	La Paz	74.51 57	LR	LR	05 58 34.6
JNU	Nakatsue	74.70 314	LR	LR	05 59 47.6
ASAJ	Asahikawa	74.92 328	LR	LR	06 00 08.3
YBH	Yreka Blue Hor	76.19 36	LR	LR	06 00 53.8
PETK	Petrovavlovsk	76.25 342	LR	LR	06 04 04.8
NVAR	Mina Array Bea	76.69 41	P	P	05 31 04.5 +7.8
NVAR	Mina Array Bea	76.69 41	LR	LR	06 02 47.7
KD3K	Kodiak Island	78.31 11	LR	LR	06 04 44.5
KSRS	Korea Array	79.15 316	P	P	05 31 17.1 +7.1
KSRS	Korea Array	79.15 316	LR	LR	06 02 55.1
USRK	Ussuriysk Ar	80.62 323	P	P	05 31 24.5 +6.7
USRK	Ussuriysk Ar	80.62 323	LR	LR	06 02 30.5
USRK	Ussuriysk Ar	80.62 323	P	P	05 31 16.6 -1.3
PMSA	Palmer Station	80.63 156	P	P	05 31 17.3 -0.3
TXAR	Lajitas Array	82.1 55	P	P	05 31 34.5 +7.7
ANMO	Albuquerque	82.74 49	LR	LR	06 04 05.4
ANMO	Albuquerque	82.74 49	P	P	05 31 30.7 +1.1
NJ2	Nanjing	82.80 307	eP	pmax	05 31 35.5 +5.9
NJ2	Nanjing	82.80 307	pmax	pmax	
NEW	Newport	83.42 34	LR	LR	06 06 02.1
BNX	BinXian	84.16 323	IP	pmax	05 31 43.3 +7.0
BNX	BinXian	84.16 323	pmax	pmax	
CN2	Changchun	84.23 320	eP	pmax	05 31 42.6 +5.9
CN2	Changchun	84.23 320	pmax	pmax	
MAW	Mawson	84.52 199	P	P	05 31 39.7 +1.9
PDAR	Pinedale Array	84.62 41	P	P	05 31 46.2 +7.1
ILAR	Eielson Array	85.91 11	P	P	05 31 51.5 +6.8
PLCA	Paso Flores	86.67 132	P	P	05 31 51.9 +2.6
PLCA	Paso Flores	86.67 132	LR	LR	06 06 40.9
HNS	HongShan	88.24 311	IP	pmax	05 32 03.9 +7.3
HNS	HongShan	88.24 311	pmax	pmax	
ELIB	Princess Elisa	88.56 185	OP	P	05 31 59.2 +1.4
TROLL	Troll, Antarti	89.11 179	IP	P	05 32 02.0 +1.6

SNA4	Sanae	89.24 177	LR	LR	06 08 44.6
VNA2	Neumayer-Watz	89.68 175	P	P	05 32 04.8 +1.9
VNA2	Neumayer-Watz	89.68 175	P	P	05 32 04.8 +1.9
VNA1	Neumayer-Stat	89.88 175	IP	P	05 32 05.7 +1.9
XAN	Xian	91.20 306	P	P	05 32 17.6 +7.0
XAN	Xian	91.20 306	pmax	pmax	
JTS	Las Juntas de	91.32 80	LR	LR	06 07 00.0
INK	Inuvik	91.67 14	LR	LR	06 13 10.4
ATAH	Atahualpa	91.86 98	LR	LR	06 06 08.0
HHC	Hu-ho-hao-Te	91.90 317	P	P	05 32 18.5 +4.7
HHC	Hu-ho-hao-Te	91.90 317	pmax	pmax	
YAK	Yakutsk	92.67 337	LR	LR	06 10 19.9
CMAR	Chiang Mai Arr	94.27 288	P	P	05 32 31.1 +6.0
CMAR	Chiang Mai Arr	94.27 288	LR	LR	06 15 43.4
LPAZ	La Paz	96.05 110	LR	LR	06 09 54.3
AKASO	Main Array Be	143.90 356	PKP	PKIKP	05 38 43.6 -0.3
RNPP8	Sopachiv	144.50 340	PKP	PKIKP	05 38 45.9 +0.8
RNPP8	Varash	144.57 340	PKP	PKIKP	05 38 46.0 +0.7
LUBAR	Lubark, Ukraine	145.09 337	PKP	PKIKP	05 38 47.2 +0.8
CLL	Colim	147.49 353	ePKPbc	ePKPbc	05 38 48.0 -1.1
CLL	Colim	147.49 353	PKP	PKP	05 38 51.0 -0.6
CLL	Colim	147.49 353	IPK/Fmax	IPK/Fmax	05 38 51.0
CLL	Colim	147.49 353	AMS	AMS	06 36 00.0
ETHS	Stebnicka Huta	147.67 343	ePKP	ePKP	05 38 55.4 +3.5
OSTC	Ostas	147.76 349	ePKP	ePKP	05 38 57.0 +4.7
UPC	Upice	147.84 349	ePKP	ePKP	05 38 57.0 +4.4
DPC	Dobruska-Polom	147.94 349	ePKP	ePKP	05 38 57.2 +4.2
DPC	Dobruska-Polom	147.94 349	ex	x	05 39 00.0
KRLC	Kralupy	148.12 348	ePKP	ePKP	05 38 57.8 +4.1
MIOE	Miodovicky Berou	148.25 347	ePKP	ePKP	05 38 57.5 +3.2
LANS	Litponas Antea	148.39 345	ePKP	ePKP	05 38 57.0 +2.2
PRU	Prunichon	148.58 351	ePKP	ePKP	05 38 58.1 +2.6
VRAC	Vranov	148.88 348	ePKP	ePKP	05 38 59.1 +2.3
JAVC	Velka Javorina	149.09 346	ePKP	ePKP	05 39 00.6 +2.9
VYHS	Vyhne	149.15 345	ePKP	ePKP	05 38 59.7 +1.8
KRUC	Krukovsky	149.18 348	ePKP	ePKP	05 38 59.6 +1.7
ZVC	Zvikov	149.17 351	ePKP	ePKP	05 39 00.0 +2.1
BRTR	Keskin Array B	149.28 318	PKPbc	PKPbc	05 38 58.2 -0.7
KHC	Kasperske Hory	149.56 352	ePKP	ePKP	05 39 01.0 +1.4
KHC	Kasperske Hory	149.56 352	ex	x	05 39 06.9
MODS	Modra-Piesok	149.63 347	ePKP	ePKP	05 39 01.4 +1.5
CKRC	Cesky Krumlov	149.76 351	ePKP	ePKP	05 39 01.3 +0.9
GERES	GERESS Array B	149.82 351	PKPbc	PKPbc	05 39 00.7 0.0
GERES	GERESS Array B	149.82 351	AMS	AMS	05 39 02.6 -0.3
CONA	Conrad Observa	150.35 348	ePKP	ePKP	05 39 02.6 -0.3
CONA	Conrad Observa	150.35 348	AMS	AMS	05 39 03.1 -0.3
BIOA	Bad Ischl, Aus	150.96 351	ePKP	ePKP	05 39 03.5 -1.9
ARSA	Arzberg	151.06 348	ePKP	ePKP	05 39 03.9 -1.9
LESA	Schwarzeleite	151.35 352	ePKP	ePKP	05 39 04.5 -2.6
SESA	Seetaler Alp	151.37 349	ePKP	ePKP	05 39 04.7 -3.6
RETA	Reutte	151.49 355	ePKP	ePKP	05 39 05.1 -2.6
WATA	Walderalm	151.57 354	ePKP	ePKP	05 39 04.9 -3.1
MOTA	Moosalm	151.60 354	ePKP	ePKP	05 39 04.7 -3.5
WTTA	Wattenberg	151.63 354	ePKP	ePKP	05 39 04.7 -3.7
SOKA	Soboth	151.71 349	ePKP	ePKP	05 39 04.7 -3.8
SQTA	Sanct Quirin	151.72 354	ePKP	ePKP	05 39 04.5 -4.1
DAVA	Damuels	151.76 356	ePKP	ePKP	05 39 05.7 -3.1
FYKA	Feichten	151.96 355	ePKP	ePKP	05 39 05.4 -4.3
META	Terra Mystica	151.99 350	ePKP	PKIKP	05 39 04.7 +3.8
ABTA	Abfaltersbach	152.04 352	ePKP	ePKP	05 39 05.0 -4.9
ABTA	Abfaltersbach	152.04 352	LR	LR	06 14 45.2
DJA	17 05:21:55.0, 0.3, 0.3, 0.3, 13.0E, h10km, M3.9/7, MLV3.9/7				
DJA	17 05:21:56.0, 2.5, 0.7, 7.7S; 128.41E, h0km, mb3.8/2,				
DJA	mbmp3.7/3, ML3.7/1, MS2.8/1, Error ellipse:				
DJA	s-maj=197.4km s-min=25.7km az=68.0				
DJA	ISC 17 05:21:54.4, 1.0, 0.7S; 0.08-130.2E, 0.1, h10km, n9,				
DJA	05:42/8, Irian Jaya region				
Code	Station Name	A° AZ°	Phase ID	Time Res	ISC
SIJI	Sorong	151 126	P	05 22 18.8 -0.5	
GAMI	Galela, Maluku	3.05 308	P	05 22 48.8 0.0	
MSAI	Masohi	3.49 201	P	05 22 56.6 +0.3	
FAKI	Fak Fak	3.51 144	P	05 22 49.9 +0.5	
NLAI	Namlea	4.11 224	P	05 23 11.5 -0.4	
DVA	Davao City (W)	8.45 327	LR	05 27 35.5	
WRA	Warrunguna Arr	20.17 169	P	05 26 28.9 -0.3	
WRA	Warrunguna Arr	20.17 169	AML	05 26 28.9 -0.3	
ASAR	Alice Springs	23.74 171	P	05 27 06.9 -0.1	
MKAR	Makanchi Array	62.62 325	P	05 32 19.3 +0.3	
IDC	17 05:43:51.6, 19.0, 48.11N-152.89E h0km, mb4.2/7,				
IDC	mbmp4.2/7, Error ellipse: s-maj=441.3km				
IDC	s-min=55.2km az=155.0, Kuril Islands				
Code	Station Name	A° AZ°	Phase ID	Time Res	

Table with columns: ILAR, Eielson Array, 87.01 25 P, 05 57 09.0 -0.9, etc.

Table with columns: IDC 17 06:28:52.2, 24.0, 1.2, 66'S, 178.66'E, h623km, 321km, etc.

Table with columns: CATAC 17 06:31:30.6, 0.4, 1.0, N, 2°x8'2W, h27km, 3km, M2.9/6, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, etc.

Table with columns: CATAC 17 06:41:49.8, 0.5, 14°N, 3°9'1W, h10km, 3km, M3.5/19, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, etc.

Table with columns: CEVE, Cerro Verde, 1.61 91 eP, 06 42 41.5 +0.5, etc.

Table with columns: IDC 17 06:46:49.2, 2.4, 5.61'S, 153.13'E, h0km, mb3.5/2, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, etc.

Table with columns: NOU 17 06:48:00.2, 1.41, 94'S, 172.14'E, h88km, MLv3.7/17, South Island, New Zealand, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, etc.

Table with columns: CATAC 17 06:48:25.1, 0.8, 0.14'S, 130.10'E, h0km, mb3.9/8, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, etc.

Table with columns: SUJI, Warramunga Arr, 20.08 169 AML, 06 53 00.3 -0.6, etc.

Table with columns: IDC 17 07:03:06.6, 1.8, 30.06'S, 177.98'W, h84km, 30km, mb3.7/3, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, etc.

Table with columns: IDC 17 07:17:03.9, 12.0, 17.61'S, 178.20'W, h594km, 159km, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, etc.

Table with columns: KRSC 17 07:44:39.8, 1.5, 49.81'N, 156.67'E, h18km, 19km, M4.1, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, etc.





Table with columns: CCIG, Comitan, 2.46 61 eP, Pb, 08 30 21.9 +0.1, etc.

IDC 17 08:44:43.1±0.6, 7.36N, 34.72W, h0km, mb4.2/17, mbtmp4.2/19, ML4, 1/2, MS3.8/55, Error ellipse: s-maj=17.3km s-min=12.6km az=121.0

NEIC 17 08:44:45.0±1.6, 7.29N, 0.07:34.60W:0.09, h10km, 1km, mb4.6/22, Error ellipse: s-maj=16.0km s-min=10.1km az=240.0

GCMT 17 08:44:47.0±0.3, 7.46N:0.03:34.72W:0.02, h17km, 1km, MW4.7/77, Moment Tensor Solution, s14.c15: s77.c10; Duration: 0 Moment tensor: Scale 1016Nm; Mw0.15±0.07; Mw0.15±0.07; Mw0.15±0.06; Mw0.15±0.06; Mw0.15±0.08; Mw0.13±0.20; Best double couple: Mw1.60600/0.1016 NP1±176.00000°, 67.6.00000°, λ-10.00000°. NP2: φ±268.00000°, 881.00000°, λ-166.00000°. Principal axes: T 1.5300, Plg3.0000°, Azm42.0000°; N 0.1520, Plg73.0000°, Azm301.0000°; P -1.6810, Plg17.0000°, Azm132.0000°; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular

ISC 17 08:44:44.0±0.4, 7.19N:0.06:34.65W:0.07, h10km, m112, φ=156.773, mb4.4/25, MS3.9/55, Central Mid-Atlantic Ridge

Main table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, h, m, s, Res, ISC. Lists various stations like MORRHINOS-CE, RIACHUELO, etc.

Main table with columns: OTAV, Otavalo, 44.22 263 P, 08 52 55.4 +0.9, etc. Lists stations like ATAH, NANA, BATG, KEST, etc.

Table with columns: FG1E, El Palmar, Qui, 0.81 340 iS, Sb, 08 54 40.3 -0.3, etc. Lists stations like STG8, PCGS, FAME, etc.

IDC 17 09:04:19.1±1.8, 4.09N:121.36E, h0km, mb3.8/3, mbtmp3.8/3, Error ellipse: s-maj=242.4km s-min=27.9km az=61.0, Celebes Sea

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, h, m, s, Res, ISC. Lists stations like WRA, ASAR, MKAR, etc.

IDC 17 09:04:25.1±1.1, 31.53S:71.77W, h0km, mb3.6/3, mbtmp3.6/7, ML3.5/4, Error ellipse: s-maj=21.9km s-min=16.7km az=120.0

SJA 17 09:04:29.5±0.8, 31.73S:71.56W, h18km, 3km, ML3.6, MW3.7

GUC 17 09:04:33.0±1.0, 31.74S:71.25W, h47km, 6km, ML3.8, Presumed earthquake

ISC 17 09:04:28.7±1.1, 31.71S:0.02:71.51W:0.04, h17km, 7km, n65, i=149/17, 12C-40, Near coast of central Chile

Main table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, h, m, s, Res, ISC. Lists stations like LOS PELADEROS, COMBARBAL, etc.



Table with columns: ID, Name, Time, Status, and other details. Includes entries like P17K Kvichak River, CHNA Chernabura Isl, CNBA Chernabura Isl, etc.

Table with columns: ID, Name, Time, Status, and other details. Includes entries like H24K Noodor Dome, M29M Bonanza Creek, G23K Somme Creek, etc.

Table with columns: Code, Station Name, Time, Status, and other details. Includes entries like CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Taichung, Shoufeng, Xiulin Townshi, etc.

UPA 17 10:02:42.71.1, 7.89N, 82.95W, h9km, 2km, MW3.5, Presumed earthquake

UCR 17 10:02:42.70.5, 7.85N, 83.03W, h15km, 11km, MW3.5, Presumed earthquake

ISC 17 10:02:40.82.3, 7.81N, 0.10:83.00W, 0.04, h11km, 9km, n43, c052/70, 3C-6D, South of Panama

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Limones, Petro Terminal, Carate, etc.

ISC 17 10:31:40.9-1.0, 28.10N, 142.81E, h0km, mb4.1/19, mbtmp4.1/22, ML3.4/3, MS3.2/4, Error ellipse:

NEIC 17 10:31:42.4-0.7, 28.2N, 0.1:142.9E, 0.2, h10km, 2km, mb4.0/13, Error ellipse: s-maj=25.6km s-min=16.6km

JMA 17 10:31:44.0-0.1, 28.3N, 0.3:143.3E, h42km, MV4.3/15, NEAR CHICHUJIMA ISLAND

ISC 17 10:31:44.2-0.8, 28.18N, 0.07:142.8E, 0.1, h22km, m59, c075/56, mb4.3/24, Bonin Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Chichi jima, Boso, Sagara, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like USRK, USRK, YULB, KLR, H1N2, etc.

ISC 17 10:46:05.4-1.2, 10.29S, 123.48E, h0km, mb3.9/2, mbtmp3.8/5, ML3.5/3, MS3.0/2, Error ellipse: s-maj=51.2km

DJA 17 10:46:11.0-0.5, 10.5S, 6x12.4E, h10km, M3.8/7, mb4.4/1, ML3.6/7

ISC 17 10:46:03.9-0.9, 10.47S, 0.06:123.7E, 0.1, h10km, m10, c350/10, Timor region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SOEI, SOEI, MMRI, etc.

ISC 17 10:46:12.3-1.4, 10.90N, 0.04:63.95W, 0.03, h13km, 9km, n99, c159/131, mb4.1/15, 4C-3D, Near coast of Venezuela

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PCRV, DMDM, Guralp CMGSTE, etc.







TXAR	Lajitas Array	87.21	25	P	P	11 02 07.4 +1.3
TXAR	Lajitas Array	87.21	25	P	P	11 02 07.4 +1.3
PJX	Pinacate	87.32	17	I	I	11 02 11.4
ESJX	Sierra Juarez	87.37	14	I	I	11 02 12.3
BAR	Barrett	87.93	14	I	I	11 03 26.2
YUH	Yuha Desert	88.01	14	I	I	11 02 14.9
MDP	Montagnes des	88.52	79	LR	LR	11 36 53.4
TUC	Tucson	88.53	19	P	P	11 02 13.9 +1.6
TUC	Tucson	88.53	19	P	P	11 02 13.9 +1.6
TUC	Tucson	88.53	19	I	I	11 02 17.7
TUC	Tucson	88.53	19	I	I	11 03 03.1
GLA	Glamis	88.56	15	P	P	11 02 14.2 +1.8
GLA	Glamis	88.56	15	P	P	11 02 14.2 +1.8
GLA	Hondo	88.57	29	I	I	11 02 16.8
TPB01	Permian Basin	88.72	25	P	P	11 02 13.9 +0.6
TPB01	Permian Basin	88.72	25	I	I	11 02 17.7
ELS	Elsinore Mount	88.78	13	P	P	11 02 14.7 +1.3
PFO	Pinyon Flats O	88.88	14	LR	LR	11 33 02.2
PFO	Pinyon Flats O	88.88	14	P	P	11 02 15.7 +1.7
PFO	Pinyon Flats O	88.88	14	P	P	11 02 15.1 +1.1
PFO	Pinyon Flats O	88.88	14	I	I	11 32 52.3
EPT	El Paso	88.88	22	I	I	11 33 35.4
BC3	Big Chuckawack	89.06	15	I	I	11 02 20.2
MNTX	Cornudas Mount	89.06	23	I	I	11 33 53.3
PECS	Pecos	89.11	25	I	I	11 02 19.6
MWC	Mount Wilson	89.27	12	P	P	11 02 17.4 +1.5
MWC	Mount Wilson	89.27	12	P	P	11 02 17.4 +1.5
MWC	Mount Wilson	89.27	12	I	I	11 02 20.9
JCT	Junction City	89.32	28	I	I	11 02 30.7
BELC	Belle Mtn. Jos	89.33	14	I	I	11 36 19.1
BFSC	Mount Baldy Ra	89.33	13	I	I	11 02 20.9
BFSC	Mount Baldy Ra	89.33	13	I	I	11 33 10.4
121A	Cookes Peak, D	89.34	21	I	I	11 02 21.3
OZNA	Ozona	89.38	27	I	I	11 02 31.0
RCBR	Riachuelo	89.41	99	LR	LR	11 39 57.4
MLDN	Muldooon	89.45	31	I	I	11 02 43.7
IRM	Iron Mountain	89.60	15	I	I	11 34 05.5
HKT	Hockley	89.98	32	eP	eP	11 02 20.8 +1.9
HKT	Hockley	89.98	32	P	P	11 02 26.7
GSC	Goldstone, Ba	90.49	13	I	I	11 02 26.8
LRMC	Laurel Mtn Rad	90.56	12	I	I	11 02 26.8
LRMC	Laurel Mtn Rad	90.56	12	I	I	11 33 39.7
SUR	Sutherland	90.60	158	LR	LR	11 36 12.9
ISA	Isabella, Lake	90.64	12	I	I	11 33 09.9
128A	Castellberry Fa	90.64	25	I	I	11 02 26.6
W13A	Hualapai Mount	90.72	16	I	I	11 02 27.9
X18A	Snowflake	90.84	19	I	I	11 02 28.3
Y22A	Socorro	90.87	21	I	I	11 02 28.1
CLC	China Lake	90.90	12	I	I	11 02 28.2
QEW	Queen of Sheba	91.14	13	I	I	11 02 29.3
MPMC	Manual Prospec	91.15	13	I	I	11 02 29.6
FORD	Fort Ord Natur	91.31	9	I	I	11 33 16.5
GWY	Greenwater Val	91.38	13	I	I	11 02 30.6
WHTX	Lake Whitney,	91.40	30	I	I	11 02 31.1
SAO	San Andreas Ge	91.41	9	I	I	11 02 44.8
CWC	Cottonwood Cr	91.45	12	I	I	11 33 57.5
WUAZ	Wupatki	91.54	17	I	I	11 02 31.4
WUAZ	Wupatki	91.54	17	I	I	11 34 30.9
FURC	Furnace Creek,	91.63	13	I	I	11 34 34.2
SJG	San Jacinto M	91.87	61	LR	LR	11 40 28.8
SHRP	Sheep Range	91.91	14	I	I	11 02 33.5
APMT	Aspermont	91.92	27	I	I	11 02 32.7
ALQ	Albuquerque	91.94	22	I	I	11 36 51.6
TASM	ASL Pad, Albuc	91.95	22	I	I	11 36 05.6
TASM	ASL Pad, Albuc	91.95	22	I	I	11 36 05.5
ANMO	Albuquerque	91.95	22	LR	LR	11 35 57.1
ANMO	Albuquerque	91.95	22	P	P	11 02 28.8 +0.5
ANMO	Albuquerque	91.95	22	P	P	11 02 29.1 +0.7
ANMO	Albuquerque	91.95	22	I	I	11 02 32.6
MHC	Mount Hamilton	91.97	9	I	I	11 02 33.7
WCT	Wildcat Mounta	91.98	13	I	I	11 02 33.8
TIN	Tinemah, Big	92.04	12	I	I	11 33 54.0
TPNV	Topopah Spring	92.19	13	I	I	11 02 34.8
FW06	Azie	92.30	29	I	I	11 02 35.6
SIJI	Sorong	92.65	26	LR	LR	11 39 35.0
LCMT	Little Crater M	92.69	16	I	I	11 02 36.6
CMB	Columbia Colle	92.77	10	I	I	11 02 36.9
PRN	Pahroc Range	92.81	14	I	I	11 02 37.9
WELL	Weller Preserv	93.14	10	I	I	11 36 45.1
SZCU	Shurtz Canyon	93.29	16	I	I	11 02 39.8
WAKR	Walker	93.34	11	I	I	11 02 40.2
NVAR	Mina Array Bea	93.39	12	P	P	11 02 36.5 +1.5
NVAR	Mina Array Bea	93.39	12	P	P	11 35 49.9
NVAR	Mina Array Bea	93.39	12	P	P	11 02 35.8 +0.8
NVAR	Mina Array Bea	93.39	12	I	I	11 37 07.5
MVCO	Mesa Verde	93.72	19	I	I	11 02 55.1

MVCO	Mesa Verde	93.72	19	I	I	11 35 49.3
HMU	Henry Mountain	94.01	17	I	I	11 02 43.0
ORV	Oroville	94.17	9	I	I	11 34 42.4
TCRU	Three Creeks R	94.38	16	I	I	11 02 44.9
SDCO	Great Sand Dun	94.85	22	I	I	11 37 22.4
Q16A	Castle Valley	94.89	17	I	I	11 02 46.7
KHBM	Hayfork Bally	95.13	7	I	I	11 34 33.7
KHMM	Horse Mountain	95.31	7	I	I	11 35 27.4
HATC	Hart Creek Radi	95.43	9	I	I	11 35 40.7
NLU	North Lily Min	95.75	16	I	I	11 02 50.8
KAPI	Kappang	95.86	253	LR	LR	11 43 45.1
KRMP	Red Mountain	95.94	7	I	I	11 35 47.1
ELK	Elko	96.06	13	LR	LR	11 36 49.8
Q24A	Yreka	96.09	21	I	I	11 38 22.4
YBH	Yreka Blue Hor	96.23	8	LR	LR	11 36 06.0
KSX8	Camp Six Broad	96.25	7	I	I	11 36 28.2
GUMO	Guam	96.43	284	LR	LR	11 38 15.8
KSCO	Kaye Sheddock	96.70	23	I	I	11 38 26.4
WVOR	Wild Horse Val	97.31	11	I	I	11 37 34.5
MFID	Camas Ranch	98.61	13	I	I	11 38 46.8
OGNE	Ogallah	98.68	23	I	I	11 38 46.8
LBTB	Lobatse	98.72	160	LR	LR	11 42 42.2
BW06	Boulder Array	98.91	17	I	I	11 40 07.0
PDAR	Pinedale Array	98.91	17	P	P	11 03 00.5 +0.6
PDAR	Pinedale Array	98.91	17	LR	LR	11 40 18.7
HLID	Hailey	98.94	14	I	I	11 40 00.6
COR	Corvax	99.03	7	I	I	11 37 42.8
WIN	Windhoek	99.08	152	I	I	11 40 11.3
TKL	Tuckaleehoe C	99.25	39	LR	LR	11 40 55.2
BMO	Blue Mountains	99.85	11	I	I	11 40 50.6
PLID	Pearl Lake	100.23	12	I	I	11 37 45.8
LKWY	Lake	100.52	16	I	I	11 42 29.6
HAWA	Hanford	101.14	9	I	I	11 38 12.7
RLMT	Red Lodge	101.25	17	I	I	11 42 08.8
RSSD	Black Hills	101.27	21	I	I	11 40 32.5
TSUM	Tsum	102.42	152	I	I	11 46 41.8
SUSD	Miller	102.72	24	I	I	11 44 11.7
EGMT	Eggleton	103.99	16	I	I	11 42 38.3
V35K	Ketchikan	109.44	1	I	I	11 43 19.3
SII	Sitkinak Islan	112.02	348	I	I	11 48 36.4
S34M	Telegraph Cre	112.04	1	I	I	11 47 07.9
S31K	Pelican	112.11	358	I	I	11 49 20.0
Q32M	Kaktine River	113.08	0	I	I	11 46 26.4
Q19K	Cape Douglas,	114.26	348	I	I	11 53 13.9
P33M	Teslin, Yukon	114.33	0	I	I	11 46 52.6
Q29M	Mount Kennedy	114.51	357	I	I	11 44 48.5
P16K	Nushagak River	114.92	346	I	I	11 44 13.3
Q28M	Mount Upton	115.04	356	I	I	11 45 26.5
GRNC	Granite Creek	115.07	355	I	I	11 45 44.2
N32M	Quiet Lake	115.28	360	I	I	11 47 22.5
O15K	Ungalikthiuk R	115.33	345	I	I	11 47 19.0
Q22K	Cooper Landing	115.38	351	I	I	11 47 09.4
BARN	Barnard Glacie	115.39	355	I	I	11 45 01.8
SLKM	Skilak Lake	115.45	351	I	I	11 46 52.4
O16K	Kokwok River B	115.48	346	I	I	11 47 16.0
O19K	Port Aisworth	115.58	348	I	I	11 54 37.7
PWL	Port Wells	115.63	352	I	I	11 46 14.0
N30M	Aishikik Lake	115.63	358	I	I	11 45 36.2
N31M	Braeburn, Yuko	115.63	359	I	I	11 49 16.9
MCAR	McCarthy VSAT	115.78	355	I	I	11 45 31.1
GLB	Gilahina Butte	115.89	354	I	I	11 46 05.8
RC01	Rabbit Glacie	115.98	351	I	I	11 46 38.3
DLV	Lat	116.09	253	I	I	12 02 15.5
KNK	Knik Glacier	116.19	352	I	I	11 46 43.8
N19K	Bonanza Creek	116.20	348	I	I	11 49 46.1
N18K	Kilae Creek	116.24	348	I	I	11 51 18.4
N17K	Nushagak Hills	116.26	347	I	I	11 59 18.6
M31M	Drury Creek, Y	116.34	359	I	I	11 51 31.5
SUA	Sustina One	116.41	351	I	I	11 47 35.5
SCM	Sheep Creek Mo	116.51	352	I	I	11 48 12.4
SML	Sawm	116.57	352	I	I	11 46 54.8
GHO	Glory Hole Cre	116.58	352	I	I	11 46 39.2
M29M	Somme Creek	116.65	357	I	I	11 44 46.2
M22K	Willow	116.67	351	I	I	11 47 39.5
M27K	Edge Creek, AK	116.70	355	I	I	11 45 56.3
M26K	Nabesna, AK	116.80	355	I	I	11 45 55.9
M16K	Timber Creek	116.98	346	I	I	11 47 50.6
L29M	Chulitna	117.31	357	I	I	11 45 53.5
CUT	Chulitna	117.32	351	I	I	11 49 17.8
L27K	Beaver Creek	117.40	355	I	I	11 46 16.8
BCAR	Beaver Creek A	117.40	355	I	I	11 08 05.4 +1.2
L26K	Log Cabin Wild	117.44	355	I	I	11 47 30.9
L19K	White Mountain	117.58	349	I	I	11 51 34.5

DHY	Denali Highway	117.75	353	I	I	11 47 32.0
K29M	Barlow Dome	118.03	358	I	I	11 47 32.6
TRF	Thorofore Moun	118.36	351	I	I	11 08 06.7 +0.4
K27K	Chicken	118.38	355	I	I	11 46 47.7
SCRK	Sand Creek Hill	118.42	355	I	I	11 48 29.8
CAST	Castle Rocks	118.49	350	I	I	11 51 04.7
KTH	Kantish Hill	118.51	351	I	I	11 48 49.2
MCK	McKinley	118.52	352	I	I	11 47 56.4
K17K	Iditarod	118.52	347	I	I	11 46 14.3
K20K	Telida	118.64	349	I	I	11 49 26.4
J29N	Klondike Camp	118.66	357	I	I	11 46 28.2
J30M	Hart River	118.74	358	I	I	11 50 11.1
WRH	Wood River Hill	119.18	353	I	I	11 47 58.9
CCB	Clear Creek Bu	119.33	353	I	I	11 08 08.3 +0.5
J16K	Anvik River	119.33	346	I	I	11 51 17.0
NEA2	Nenana	119.38	352	I	I	11 48 55.1
ILAR	Eielson Array	119.37	353	PKP	PKP	11 08 07.9 0.0
ILAR	Eielson Array	119.39	353	ePKIP	ePKIP	11 08 08.0 0.0
ILAR	Eielson Array	119.39	353	PKP	PKP	11 08 08.4 +0.4
J19K	Poorman	119.43	349	I	I	11 52 52.4
I29M	Ogilvie Camp	119.57	357	I	I	11 48 43.3
I26K	Coal Creek Min	119.70	355	I	I	11 47 27.9
I28M	Miner Creek	119.71	357</			



OSPL 17 11:42:18.5:1.4, 18.21N:67.26W, h23km, 5km, ML3.1, Presumed earthquake
SDD 17 11:42:19.2:0.9, 18.21N:67.19W, h23km, 2km, MD2.7, ML2.3, MW2.5, Presumed earthquake
ISC 17 11:42:17.9:0.9, 18.22N:0.03:67.23W:0.03, h30km, 5km, n55, c053/77, 16C-6D, Mona Passage

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Puerto Rico Se, Las Mesas, Cabo Rojo, PR, Aguadilla, PR, etc.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like Nanshi, Chiayi, Jiali, Tsaushan, Shinhua, Ta-pu, etc.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like TWKBT Hengchun, NACB Ninganchiao, ETL Fush Village, etc.

IDC 17 12:07:53.0:1.1, 23.27N:120.62E, h0km, mb3.7/9, mb1mp3.7/9, MS3.3/4, Error ellipse: s-maj=50.3km s-min=19.4km az=64.0

NIED 17 12:07:55.3:23.33N:120.36E, h0km, MW4.1, Moment Tensor Solution. s2 Moment tensor: Scale 10^19Nm; Mn:0.19; Mw:1.37; Mw:1.18; Mw:0.67; Mw:0.43; Mw:0.05; Fault plane solution: Mo:1.480000x10^15 NP1: 0.214.00000, 0.69.00000, 1.73.00000. NP2: 0.306.00000, 0.83.00000, 1.21.00000.

ASIES 17 12:07:55.5:23.28N:120.38E, h13km, Mw3.9, Fault plane solution: NP1: 0.226.00000, 0.18.00000, 1.73.00000. NP2: 0.200.00000, 0.77.00000, 1.78.00000.

JMA 17 12:07:55.3:0.1, 23.33N:0.2:120.4E:0.4, h0km, MV3.9/13, TAIWAN REGION

TAP 17 12:07:55.9:23.28N:120.38E, h14km, ML4.3, B ISC 17 12:07:55.8:1.0, 23.30N:0.01:120.37E:0.1, h13km, 7km, n152, c087/258, mb3.7/8, MS3.3/4, 22D, Taiwan

ROM 17 12:25:35.0:0.2, 37.77N:0.03:14.67E:0.02, h38km, ML1.8/4, 1C, Error ellipse: s-maj=3.1km s-min=1.6km az=329.0, Sicily

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Gagliano Caste, Hengchun, etc.











17d 15h

Table with columns for station name, frequency, power, and other technical details. Includes stations like LYJJ, JKRS, JKRJ, etc.

2020 OCT

Table with columns for station name, frequency, power, and other technical details. Includes stations like LZH, LZH, LZH, etc.

850

Table with columns for station name, frequency, power, and other technical details. Includes stations like SONM, SONM, SONM, etc.

851

Table with columns: IAR, Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like Eielson Array, ELAR, BMAR, etc.

2020 OCT

Table with columns: CLL, Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like CLL, TWK, ZVCA, etc.

17d 15h

Table with columns: Code, Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like TWK, Hsinying, Tainan City, etc.

Table with columns: Station Name, Frequency, Band, and other technical details. Includes stations like LONT Longtian, TWG Pinlang, TWGBT Beinan, etc.

Table with columns: Station Name, Frequency, Band, and other technical details. Includes stations like YOJ Yonaguni jima, AXDP Jialang, DSXP Dongshan, etc.

Table with columns: Station Name, Frequency, Band, and other technical details. Includes stations like TUMD Tumrok D, TUMD Tumrok D, TUMD Tumrok D, etc.

SKHL 17:16:09:56.4-0.0,45:20N:146:00E,h306km,3km,mb4.8/5, msha5.5/4
IDC 17:16:09:58.6-1.1,45:54N:145:72E,h261km,10km, mb3.3/17,mbmp4.0/26,Error ellipse: s-maj=14.0km s-min=10.5km az=103.0
JMA 17:16:09:60.0-0.3,45:15N:146:14E,h267km,MV4.0/35, SOUTHERN SEA OF OKHOTSK
ISC 17:16:09:58.4-0.6,45:21N:0:06:145:75E,0:07,h273km,6km, n53,r1946/61,mb3.6/17,Hokkaido region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data.





WARBT Fenglin Townsh 0.84 221 eP Pb 17 02 25.0 -1.5
LIOB Emei 0.93 288 eP Pn 17 02 28.9 +0.9

IDC 17 17:04:36.7;2.7,38.40N;142.11E, h53km, mb3.6/3,
mbtmp3.7/10, ML3.2/4, MS2.4/1, Error ellipse:
s-maj=26.6km s-min=12.2km az=110.0
NIED 17 17:04:38.6, 38.33N;141.71E, h57km, Moment
Tensor Solution, s3 Moment tensor: Scale 10^14Nm;

Honshu
Code Station Name A° AZ° Phase ID Time Res
JIKH Ishinomakikobu 0.36 268 P Op Pn 17 04 47.6 +0.1

MJAR Matsushiro Arr 3.45 240 P Pn 17 05 29.7 +1.0
Code Station Name A° AZ° Phase ID Time Res
VCHU Verkh-Chumysh, 0.15 189 P Op Pn 17 21 08.7 -2.3

H11N2 WAKE ISLAND Hy 28.49 124 T T 17 40 45.6
H11N1 WAKE ISLAND Hy 28.50 124 T T 17 40 44.9
H11N3 WAKE ISLAND Hy 28.51 124 T T 17 40 47.0
H11S1 WAKE ISLAND Hy 29.25 126 T T 17 41 40.1

IDC 17 17:15:46.7;1.3,34.28N;25.42E, h0km, mb3.6/3,
mbtmp3.5/10, ML2.9/6, Error ellipse: s-maj=20.2km
s-min=12.4km az=37.0
ATH 17 17:15:48.1, 34.29N;25.57E, h12km, 3km, ML3.0/7,

ZKR Zakros 1.00 31 P Pn 17 16 07.2 +0.2
ZKR Zakros 1.00 31 P Pn 17 16 07.0 0.0
ZKR Zakros 1.00 31 P Pn 17 16 20.1 -0.4
SIVA Sivas 1.00 320 P Pn 17 16 07.2 -0.3

KBZ Khabaz 16.42 50 Pn P 17 19 40.4 0.0
AKASO Malin Array Be 16.65 8 Pn P 17 19 40.8 -0.1
GERES GERES Array B 17.05 332 Pn P 17 19 42.4 -3.4
DAVOX Davos/Discham 17.26 321 P Pn 17 19 48.8 +0.2

ASRS 17 17:21:04.8, 54°N, 1°8'7"E, h4km, 1km, ML4.9/3/7,
confirmed
NMC 17 17:21:06.8;2.1, 54.12N;86.53E, h0km, mb5.0, mpv5.0,
Error ellipse: s-maj=16.9km s-min=10.7km az=22.0,

VCHU Verkh-Chumysh, 0.15 189 P Op Pn 17 21 08.7 -2.3
VCHU Verkh-Chumysh, 0.15 189 P Pn 17 21 08.8 -2.3
VCHU Verkh-Chumysh, 0.15 189 P Pn 17 21 12.6 -0.8

KURK Kurchatov 5.89 238 P Pn 17 22 36.6 +2.1
KURK Kurchatov 5.89 238 P Pn 17 22 36.6 +2.1
KURK Kurchatov 5.89 238 P Pn 17 22 36.6 +2.1
KURK Kurchatov 5.89 238 P Pn 17 22 36.6 +2.1

ZKR Zakros 1.00 31 P Pn 17 16 07.2 +0.2
ZKR Zakros 1.00 31 P Pn 17 16 07.0 0.0
ZKR Zakros 1.00 31 P Pn 17 16 20.1 -0.4
SIVA Sivas 1.00 320 P Pn 17 16 07.2 -0.3

ZKR Zakros 1.00 31 P Pn 17 16 07.2 +0.2
ZKR Zakros 1.00 31 P Pn 17 16 07.0 0.0
ZKR Zakros 1.00 31 P Pn 17 16 20.1 -0.4
SIVA Sivas 1.00 320 P Pn 17 16 07.2 -0.3

SHRR Bystrovka, Nov 2.29 283 S Sg 17 22 15.8 -2.1
BSTK Bystrovka, Nov 2.29 283 P Pn 17 21 48.8 -2.6
BSTK Bystrovka, Nov 2.29 283 P Pn 17 22 18.9
BSTK Bystrovka, Nov 2.29 283 P Pn 17 22 46.9 -1.8

ELDR Elanda 2.90 185 P Pn 17 21 56.1 -3.2
ELDR Elanda 2.90 185 P Pn 17 22 36.3 +1.6
ELDR Elanda 2.90 185 P Pn 17 21 56.1 -3.2
ELDR Elanda 2.90 185 P Pn 17 22 36.3 +1.6

CHBI Chibit, Altay 3.85 170 P Pn 17 22 07.5 +0.8
CHBI Chibit, Altay 3.85 170 P Pn 17 22 07.5 +0.8
CHBI Chibit, Altay 3.85 170 P Pn 17 22 07.5 +0.8
CHBI Chibit, Altay 3.85 170 P Pn 17 22 07.5 +0.8

ZKR Zakros 1.00 31 P Pn 17 16 07.2 +0.2
ZKR Zakros 1.00 31 P Pn 17 16 07.0 0.0
ZKR Zakros 1.00 31 P Pn 17 16 20.1 -0.4
SIVA Sivas 1.00 320 P Pn 17 16 07.2 -0.3

ZKR Zakros 1.00 31 P Pn 17 16 07.2 +0.2
ZKR Zakros 1.00 31 P Pn 17 16 07.0 0.0
ZKR Zakros 1.00 31 P Pn 17 16 20.1 -0.4
SIVA Sivas 1.00 320 P Pn 17 16 07.2 -0.3

ZKR Zakros 1.00 31 P Pn 17 16 07.2 +0.2
ZKR Zakros 1.00 31 P Pn 17 16 07.0 0.0
ZKR Zakros 1.00 31 P Pn 17 16 20.1 -0.4
SIVA Sivas 1.00 320 P Pn 17 16 07.2 -0.3



Table with columns: Station Name, Time, Azimuth, Elevation, and other parameters. Includes stations like MJAR Matushiro Arr, YON Yonaguni jima, JOW Kumigami, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, and other parameters. Includes stations like WRAB Tennant Creek, WRA Warramunga Arr, WRA Warramunga Arr, etc.

BUJ 17 17:54:55.0, 3.695x100.45E, h19km, mb5.6/53, mb5.3/74, MS5.6/79, MS7.5/478
MOS 17 17:55:00.3, 1.0, 3.12S: 100.55E, h28km, mb5.4/67, MS4.9/13, Error ellipse: s-maj=8.0km s-min=4.1km az=111.0
NEIC 17 17:55:00.5, 3.26Sx100.31E, h22km
NEIC 17 17:55:00.7, 1.5, 3.26S: 0.05E: 100.30E: 0.06, h23km, 4km, mb5.3/131, Mw5.2/17, Error ellipse: s-maj=9.3km s-min=6.7km az=51.0
NEIC 17 17:55:01.3, 4.6Sx100.21E, h26km, Moment Tensor Solution. Duration: 199. Moment tensor: Scale 10^16Nm; Mf: 6.76; Mw: -3.39; Mv: -3.37; Ms: 1.12; Mh: 3.54; Ml: 1.32; Principal axes: M: 7.06000x10^16 NP1: 0.121, 5.50000, 8.46, 0.50000, 1.70, 6.70000. NP2: 0.328, 3.60000, 8.47, 2.10000, 1.08, 9.50000. Principal axes: T 7.1835, Plg7.630000, Azm313.00000, N -0.2593, Plg14.00000, Azm135.00000, P -6.9243, Plg1.00000, Azm45.00000
GFZ 17 17:55:01.6, 3.27Sx100.44E, h24km, Mw5.2/42, Moment Tensor Solution. Moment tensor: Scale 10^16Nm; Mf: 7.08; Mw: -3.29; Mv: -3.73; Ms: 2.73; Mh: 4.77; Ml: 0.25; Principal axes: M: 8.24203x10^16 NP1: 0.119, 7.7129, 8.53, 7.7645, 1.68, 2.1105. NP2: 0.333, 8.4822, 8.41, 4.8894, 1.16, 8.7261. Principal axes: T 7.9512, Plg71.35886, Azm334.5729, N 0.5538, Plg17.4242, Azm133.0624, P -8.5050, Plg6.4206, Azm25.0864
GFZ 17 17:55:01.7, 0.1, 3.1S: 2.10E, h23km, M5.2/109, mb5.2/109, confirmed
DJA 17 17:55:01.0, 0.4, 3.1S: 1.0E, h22km, 3km, M5.2/169, mb5.7/112, mb5.4/169, MLV5.7/62, Mw5.2/233, Mw(1)B5.2/12, Mw(Mw)5.6/67, Mw(5)3/67
IDC 17 17:55:02.2, 3.20S: 100.49E, h33km, 17km, mb4.6/35, s-mbjp=13.5km s-min=7.7km az=47.0
GCMT 17 17:55:03.5, 0.1, 3.47S: 0.01x100.07E: 0.01, h23km, Mw5.3/121, Moment Tensor Solution. s109, c188; s121, c212; Duration: 151. Moment tensor: Scale 10^17 Nm; Mw: 0.77; 0.2; Mw: -0.33; 0.1; Mw: -0.43; 0.1; Mw: 0.74; 0.3; Mw: 0.34; 0.1; Mw: -0.66; 0.3; Best double couple: M: 1.23800x10^17 NP1: 0.324, 0.00000, 8.19, 0.00000, 1.10, 0.00000. NP2: 0.133, 0.00000, 8.72, 0.00000, 1.87, 0.00000. Principal axes: T 1.2600, Plg63.00000, Azm38.00000; N -0.0430, Plg3.00000, Azm34.00000, P -1.2173, Plg26.0000, Azm226.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function
ISC 17 17:55:00.2, 0.3, 3.29S: 0.03x100.32E: 0.03, h20km, 1km, h20km; p-P, n882, 0.1559/960, mb5.2/306, MS5.2/58, 67C-16D, Southern Sumatra

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Rise, and other parameters. Includes stations like PPSI Pulau Pagai, KRJI Kerinci, MASI Maura Aman, Be, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, and other parameters. Includes stations like SBJI Sinabang, Aceh, TSI Tuntungan, KCSI Kotacane, Aceh, etc.

17d 17h

Table with columns for station name, frequency, power, and signal quality. Includes stations like WSI, TOL2, KKSJ, etc.

2020 OCT

Table with columns for station name, frequency, power, and signal quality. Includes stations like FITZ, MEEK, KKOHI, etc.

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Table with columns for station name, frequency, power, and signal quality. Includes stations like XAN, AS15, AS31, etc.

NIL	Nilore	44.76	327	P	P	18 03 11.9	-0.7
NIL	comp=Z,49nm,0.6s						
NIL	Nilore	44.76	327	P	P	18 03 11.9	-0.7
NIL	Nilore	44.76	327	P	P	18 03 12.7	+0.1
NIL	comp=Z,76nm,0.6s						
JSU	Suzuyama	44.94	37	P	P	18 03 14.5	+0.4
JSU	Suzuyama	44.94	37	P	P	18 03 13.4	-0.7
BJT	Baijiatatau	45.49	17	P	P	18 03 17.8	-0.4
BJT	comp=Z,21nm,0.6s						
BJT	Baijiatatau	45.49	17	P	P	18 03 17.8	-0.4
BJT	comp=Z,21nm,0.6s						
BJ2	Beijing	45.49	17	P	P	18 03 18.5	+0.3
BJ2	comp=Z,21nm,0.7s						
BJ2	Beijing	45.49	17	P	P	18 03 17.8	-0.4
BJ2	comp=Z,370nm,6.8s						
BJ2	comp=Z,4um,17.2s						
BJ2	comp=Z,1um,15.8s						
BJ2	comp=Z,4um,16.7s						
MTSU	Mount Surprise	45.52	112	P	P	18 03 17.4	-1.5
MTSU	comp=Z,32nm,0.8s						
MTSU	Mount Surprise	45.52	112	P	P	18 03 18.8	-0.1
MTSU	Mount Surprise	45.52	112	P	P	18 03 17.6	-1.3
MTSU	comp=Z,32nm,0.8s						
INKA	Innaminka	45.57	126	P	P	18 03 19.4	+0.3
DL2	Dalian	46.37	23	S	S	18 10 26.9	+1.7
DL2	comp=Z,71nm,2.2s						
DL2	comp=Z,580nm,5.7s						
DL2	comp=Z,5um,24.2s						
DL2	comp=Z,3um,22.3s						
JTU	Tsushima	46.51	34	P	P	18 03 26.9	+0.5
TJN	Taejon	46.85	30	cP	cP	18 03 28.2	-0.8
TJN	comp=Z,1.0nm,0.8s						
TJN	Taejon	46.85	30	P	P	18 03 28.2	-0.8
HTT	Hallett	46.86	134	P	P	18 03 27.9	-1.4
HTT	comp=Z,10nm,1.4s						
PMG	Port Moresby	46.86	134	P	P	18 03 29.9	0.0
PMG	Port Moresby	46.91	100	P	P	18 03 29.8	-0.1
PMG	Port Moresby	46.91	100	cP	cP	18 03 28.2	-1.7
PMG	comp=Z,33nm,1.0s						
PMG	Port Moresby	46.91	100	P	P	18 03 28.6	-1.3
PMG	comp=Z,31nm,1.0s						
PMG	Port Moresby	46.91	100	P	P	18 03 29.2	-0.7
MANU	Manus Island	47.01	90	P	P	18 03 29.2	-1.4
MANU	comp=Z,57nm,1.8s						
GUMO	Guam	47.27	68	P	P	18 03 33.3	+0.7
INCN	Inchon	47.36	29	P	P	18 03 32.2	-0.9
INCN	comp=Z,27nm,1.2s						
INCN	Inchon	47.36	29	P	P	18 03 32.1	-0.9
INCN	comp=Z,27nm,1.1s						
KBL	Kabul	47.77	325	P	P	18 03 36.2	-0.3
KBL	comp=Z,15nm,0.6s						
CTA	Charters Tower	47.77	114	P	P	18 03 36.0	-0.6
CTA	comp=Z,14nm,2.2s						
CTA	Charters Tower	47.77	114	P	P	18 03 36.6	+0.1
CTA	Charters Tower	47.77	114	P	P	18 03 37.0	+0.5
CTA	Charters Tower	47.77	114	P	P	18 03 36.3	-0.2
CTA	comp=Z,83nm,1.4s						
CTA	Charters Tower	47.77	114	P	P	18 03 36.8	+0.3
CTA	Charters Tower	47.77	114	P	P	18 03 37.4	-0.1
KSAR	Wonju Array Be	47.94	30	P	P	18 03 37.4	-0.1
KSAR	Wonju Array Be	47.94	30	P	P	18 03 37.2	-0.5
KSRS	Korea Array	47.97	30	P	P	18 03 37.2	-0.5
KSRS	comp=Z,13nm,0.8s,baz=229,slow=7.9,SNR=68						
KSRS	LR					18 26 25.8	
QLP	Quilpie	47.98	123	P	P	18 03 39.5	+1.4
QLP	comp=Z,13nm,0.8s						
QLP	Quilpie	47.98	123	P	P	18 03 39.5	+1.4
QLP	Quilpie	47.98	123	P	P	18 03 39.8	+1.8
QLP	Quilpie	47.98	123	P	P	18 03 39.7	+1.8
KS19	Wonju Array Si	47.98	30	P	P	18 03 37.1	-0.7
KSH2	Kashi	48.00	334	S	S	18 03 37.9	-0.2
KSH2	comp=Z,350nm,11.9s						
KSH2	comp=Z,920nm,22.0s						
KSH2	comp=Z,2um,19.6s						
KSH2	comp=Z,2um,19.9s						
STKA	Stevens Creek	48.06	131	P	P	18 03 39.1	+0.5
STKA	comp=Z,169nm,1.0s						
STKA	Stevens Creek	48.06	131	P	P	18 03 39.4	+0.8
STKA	comp=Z,7.0nm,0.5s,baz=306,slow=7.2,SNR=26						
STKA	Stevens Creek	48.06	131	P	P	18 03 39.2	+0.6
STKA	Stevens Creek	48.06	131	cP	cP	18 03 38.7	+0.1
STKA	Stevens Creek	48.06	131	P	P	18 03 38.2	-0.4
STKA	Stevens Creek	48.06	131	P	P	18 03 39.6	+1.0
PYAG	Pyongyang	48.22	27	P	P	18 03 38.4	-1.2
PYAG	comp=Z,169nm,1.0s						
PYAG	Pyongyang	48.22	27	S	S	18 10 37.3	-0.8
PYAG	comp=Z,712nm,3.7s						
WMQ	Urumqi	48.26	348	P	P	18 03 41.1	+1.2
WMQ	comp=Z,3um,11.8s						
WMQ	Urumqi	48.26	348	P	P	18 05 06.5	-0.3
WMQ	comp=Z,52nm,0.7s						
WMQ	comp=Z,300nm,3.8s						
WMQ	comp=Z,1um,23.5s						
WMQ	comp=Z,1um,21.3s						
SUJ	Sinuiju	48.55	25	P	P	18 03 41.2	-0.9
JMN	Monobe	48.56	38	P	P	18 03 42.9	+0.5
JMN	Monobe	48.56	38	P	P	18 03 41.3	-1.1
JMN	Monobe	48.56	38	P	P	18 03 42.1	-0.3
XLT	XilinHaoTe	49.07	15	cP	cP	18 03 46.0	-0.2
XLT	comp=Z,49nm,1.3s						
XLT	XilinHaoTe	49.07	15	cP	cP	18 03 46.0	-0.2
XLT	comp=Z,38nm,0.9s						
XLT	comp=Z,260nm,5.7s						
XLT	comp=Z,2um,15.5s						
ASAI	AK-SAY(Kyrgyz)	49.08	336	P	P	18 03 48.3	+1.6
TARG	Taragay, Kyrgyz	49.27	338	P	P	18 03 47.8	-0.4
TARG	comp=Z,83nm,1.5s						
TARG	Taragay, Kyrgyz	49.27	338	P	P	18 03 47.8	-0.4
TARG	comp=Z,83nm,1.5s						
TARG	Taragay, Kyrgyz	49.27	338	P	P	18 03 49.9	+1.7
TARG	comp=Z,34nm,1.5s						

SNY	Shenyang	49.64	23	P	P	18 03 50.0	-0.4
SNY	comp=Z,18nm,0.7s						
SNY	Shenyang	49.64	23	S	S	18 10 56.4	-1.5
SNY	comp=Z,360nm,6.2s						
SNY	Shenyang	49.64	23	L	L		
SNY	comp=Z,2um,16.2s						
SNY	Shenyang	49.64	23	L	L		
SNY	comp=Z,2um,14.7s						
PRZ	Przheval'sk	49.70	339	P	P	18 03 50.9	-0.3
PRZ	comp=Z,144nm,1.4s						
PRZ	Przheval'sk	49.70	339	P	P	18 03 50.9	-0.3
PRZ	Przheval'sk	49.70	339	P	P	18 03 53.6	+2.4
PRZ	comp=Z,83nm,1.8s						
HHU	Hamhung	49.73	27	P	P	18 03 49.6	-1.6
HHU	comp=Z,336nm,2.6s						
HHU	Hamhung	49.73	27	S	S	18 10 58.1	-1.3
HHU	comp=Z,336nm,2.6s						
KDJ	Kajisy	49.85	338	P	P	18 03 54.0	+1.6
KDJ	comp=Z,11um,1.5s						
BULU	Kimbe	49.88	94	P	P	18 03 55.7	+2.9
SHLS	Shalkode	49.92	340	cP	cP	18 03 52.8	0.0
SHLS	Shalkode	49.92	340	cP	cP	18 11 02.8	+0.6
SHLS	comp=Z,28nm,1.1s						
SHLS	Shalkode	49.92	340	iP	iP	18 03 52.9	0.0
SHLS	comp=Z,28nm,1.1s						
SHLS	Shalkode	49.92	340	iP	iP	18 11 02.8	+0.6
DRK	Karamyk	50.00	331	P	P	18 03 54.9	+1.2
DRK	comp=Z,62nm,0.6s						
UZB	Uzymbulak	50.06	340	cP	cP	18 03 54.9	+1.0
UZB	comp=Z,36nm,1.6s						
UZB	Uzymbulak	50.06	340	iP	iP	18 03 55.0	+1.0
UZB	comp=Z,36nm,1.6s						
UZB	Saty	50.20	339c	iP	iP	18 11 06.8	+2.6
SATY	Saty	50.20	339c	eS	eS	18 03 55.9	+1.0
SATY	comp=Z,31nm,1.7s						
SATY	Saty	50.20	339	iP	iP	18 03 55.9	+1.0
SATY	comp=Z,31nm,1.7s						
SATY	Saty	50.20	339	eS	eS	18 11 08.6	+2.4
SATY	comp=Z,31nm,1.7s						
UHLH	Ulahol	50.31	337	P	P	18 03 56.8	+0.9
UHLH	SNR=6.2						
OHH	Osh	50.36	333	P	P	18 03 55.8	-0.3
OHH	comp=Z,34nm,0.6s						
KPKS	Kokpek	50.46	340	eP	eP	18 03 57.7	+0.9
KPKS	Kokpek	50.46	340	eP	eP	18 03 57.8	+0.9
BOOM	Boomsokoye usch	50.64	337	P	P	18 03 59.4	+1.1
TNSS	Tian-Shan	50.72	338	eP	eP	18 03 59.6	+0.5
TNSS	Tian-Shan	50.72	338	eP	eP	18 03 59.6	+0.5
MDOK	Medeo	50.79	338	eP	eP	18 04 00.5	+1.2
MDOK	Medeo	50.79	338	eS	eS	18 11 17.0	+2.7
MDOK	Medeo	50.79	338	eP	eP	18 04 00.6	+1.2
AAA	Alma-Ata	50.88	338	eP	eP	18 04 01.0	+1.1
AAA	comp=Z,14nm,0.7s						
AAA	Alma-Ata	50.88	338	eP	eP	18 04 01.0	+1.1
AAA	comp=Z,14nm,0.7s						
CMSA	Cobar Meteorol	51.05	129	P	P	18 04 01.3	-0.1
CMSA	comp=Z,57nm,0.7s						
CMSA	Cobar Meteorol	51.05	129	P	P	18 04 01.8	+0.4
CMSA	Cobar Meteorol	51.05	129	P	P	18 04 02.4	+1.0
CMSA	comp=Z,57nm,0.7s						
TKM2	Tokmak 2	51.14	337	P	P	18 04 08.2	+0.7
TKM2	SNR=39						
KBK	Karagaybulak	51.18	336	P	P	18 04 04.6	+2.3
KBK	SNR=21						
SONM	Songino Array	51.19	5	P	P	18 04 03.2	+1.0
SONM	comp=Z,45nm,0.5s,baz=190,slow=9.4,SNR=374						
SONM	comp=Z,12nm,0.5s,baz=184,slow=4.1,SNR=9.4						
SONM	Songino Array	51.19	5	P	P	18 04 02.9	+0.6
SONM	comp=Z,45nm,0.5s						
SONM	Songino Array	51.19	5	P	P	18 05 17.2	-0.3
SONM	comp=Z,45nm,0.5s						
ULN	Ulaanbatar	51.28	6	cP	cP	18 04 03.9	+0.9
ULN	comp=Z,66nm,0.9s						
ULN	Ulaanbatar	51.28	6	cP	cP	18 04 03.6	+0.8
ULN	comp=Z,28nm,0.8s						
ULN	Ulaanbatar	51.28	6	P	P	18 04 03.6	+0.8
ULN	comp=Z,79nm,1.1s						
ULN	Ulaanbatar	51.28	6	P	P	18 04 04.3	+1.0
ULN	comp=Z,89nm,1.6s						
AAK	Ala-Archa	51.34	336	P	P	18 04 05.6	+2.0
AAK	SNR=8.2						
AAK	Ala-Archa						





Table with columns: Station, Frequency, Power, Direction, and Time. Includes stations like MNK Minsk, KNT Kendrickon, and various other locations.

Table with columns: Station, Frequency, Power, Direction, and Time. Includes stations like KRLC Kraliky, ARSA Arzberg, and various other locations.

Table with columns: Station, Frequency, Power, Direction, and Time. Includes stations like WTTA Wattenberg, GRB3 Grafenberg, and various other locations.

IDC 17 17:56:22.0, 4.0, 3.22S, 100°36'E, h0km, mb4.9/23, mbmp4.9/24, M4.7/1, MS4.6/11, Error ellipse: s-maj=22.6km s-min=16.3km az=55.0, NEIC 17 17:56:23.9, 1.9, 3.27S:0.07, 100°40'E:0.08, h10km, 1km, mb5.2/49, Error ellipse: s-maj=14.0km s-min=11.0km az=229.0

ISC 17 17:56:26.0, 0.4, 3.29S:0.07, 100°44'E:0.07, h29km, n118, 1:1805/100, mb5.2/40, MS4.6/12, Southern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MNAI Manna, BBJI Bungbulang, and various other locations.



Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries like USRK Ussuriysk Ar., H11N2 WAKE ISLAND Hy, H11N1 WAKE ISLAND Hy, etc.

OSPL 17 19:37:38.4 0.4, 181.31N x 72.00W, h10km, 2km, ML2.5, Presumed earthquake

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries like JIDR Jimani, LODO1 El Espartillar, LOBH Bahia de las A, etc.

JMA 17 20:10:17.3 0.1, 24.1N x 122.55E, 0.4, h62km, 2km, M3.0/1.5, NW OFF ISHIGAKIJIMA IS

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries like E0S4 E0S4, E0S3 E0S3, YONG Yonagunijimaku, etc.

Main table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries like NNS Hateruma jima, HATJ HATJ, NWLT Wulai, etc.

DJA 17 20:21:49.1 0.4, 3.3S x 170.0E, h30km, 7km, M4.0/2d, ML4.0/2d

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries like PPSI Pulau Pagai, KRJI Kerinci, MASI Maura Aman, Be, etc.

BEO 17 20:31:54.4 0.6, 38.88N x 24.14E, h14km, 4km, ML3.5/1.5
IDC 17 20:31:57.2 0.6, 39.10N x 23.0E, h0km, mb3.6/9,
mbmp3.6/9, Error ellipse: s-maj=8.3km s-min=2.2km
az=24.1, confirmed



DGB zmir	2.88 110	P	Pn	20 32 44.1 -0.3	ZAGS Zajecar	4.79 349	ePn	Pn	20 33 11.3 +0.7	comp=Z,6.9nm,1.4s	SOKA Soboth	9.76 323	ePn	Pn	20 34 20.5 +1.6
DGB Kurdzhal	2.90 29	Pn	Pn	20 32 16.3 -2.6	ZAGS Zagreb	4.85 337	eSn	Pn	20 34 07.5 +1.7	comp=Z,0.5nm,0.4s	SOKA Kolonice sedl	9.86 355	ePn	Pn	20 34 19.2 -0.9
KDZ Kurdzhal	2.90 29	Pn	AML	20 32 44.2 -0.4	CEME Ceme	4.86 316	l/Pn	Pn	20 34 13.7 +2.0	comp=Z,0.1nm,0.4s	KOLS Kolonice sedl	9.86 355	P	Pn	20 34 20.2 +0.1
KEK Kerkira	2.90 283	Pn	AML	20 32 44.4 -0.2	LOZB Loznica	4.87 28	l/Pn	Pn	20 33 11.6 -0.1	comp=Z,4.0nm,0.8s	OBKA Obir	9.87 321	ePn	Pn	20 34 22.2 +1.8
KEK Kerkira	2.90 283	Pn	AML	20 32 44.7 +0.1	SJES Sjenica	4.91 329	ePn	Pn	20 33 14.6 +2.2	comp=Z,0.3nm,0.3s	OBKA Obir	9.87 321	ePn	Pn	20 36 07.7 -3.2
KEK Kerkira	2.90 283	Pn	AML	20 32 46.0 +1.3	SJES Sjenica	4.91 329	ePn	Pn	20 33 13.5 +1.1	comp=Z,3.8nm,0.6s	OBKA Obir	9.87 321	P	Pn	20 34 21.4 +1.0
KEK Kerkira	2.90 283	Pn	AML	20 32 45.5 +0.8	SABU Hula-Dalaman	4.92 116	P	Pn	20 33 13.2 +0.8	comp=Z,5.5nm,0.8s	YVHS Vyhne	9.95 342	ePn	Pn	20 34 21.1 -0.4
CANM Can-anakkale	2.92 71	Pn	Pn	20 32 47.5 +2.6	HCB Herczeg Novi	5.03 313	l/Pn	Pn	20 33 17.5 +1.0	comp=Z,0.9nm,0.5s	ARSA Arzberg	9.98 327	ePn	Pn	20 34 24.3 +2.4
CANM Merkez	3.03 96	P	Pn	20 32 47.8 +1.4	HCY HCY	5.05 34	P	Pn	20 34 18.2 +4.4	comp=Z,0.4nm,0.3s	ARSA Arzberg	9.98 327	P	Pn	20 34 22.6 -0.8
CAMT Colombo, Santo	3.05 149	P	Pn	20 32 19.1 -3.4	NEF NEVSHA	5.05 34	P	Pn	20 34 20.1 +4.1	comp=Z,4.0nm,0.7s	SABO Sabotin	9.99 317	Pn	Pn	20 34 21.6 -0.5
CMRD Thira island	3.09 149	Pn	Pn	20 32 47.9 +0.4	GORZ Bor-Borsko je	5.09 34	P	Pn	20 33 17.9 +1.4	comp=Z,1.1nm,1.1s	DRE Drenchia	10.10 317	Pn	Pn	20 34 23.7 +0.2
SNTS Nea Kammeni, S	3.11 150	Pn	Pn	20 32 48.4 +0.9	IVAS Ivanjica	5.11 332	ePn	Pn	20 33 17.6 +1.1	comp=Z,0.1nm,0.2s	CONA Conrad Observa	10.39 330	ePn	Pn	20 34 29.6 +2.0
UKOP Uzunkoprur-Edir	3.16 49	Pn	Pn	20 32 50.6 +2.4	GRUS GRUS	5.20 338	ePn	Pn	20 33 16.8 -0.7	comp=Z,1.0nm,0.7s	CONA Conrad Observa	10.39 330	ePn	Pn	20 36 22.4 -1.4
UKOP Ancient Thera,	3.17 149	Pn	AML	20 32 49.2 +0.8	TIP Timpagrande	5.21 273	P	Pn	20 33 19.5 +1.7	comp=Z,3.9nm,1.9s	ACOM Acomizza, Ital	10.41 319	P	Pn	20 34 28.1 +0.2
THERA Ancient Thera,	3.17 149	Pn	AML	20 32 49.6 +1.0	TIP Timpagrande	5.21 273	P	Pn	20 33 20.6 +2.2	comp=Z,0.8nm,0.4s	MOA Molin	10.99 326	ePn	Pn	20 34 36.3 +0.7
PLD Plovdiv	3.19 18	Pn	AML	20 32 48.9 +0.3	TREB Trebinje	5.29 315	ePn	Pn	20 34 17.3 -2.4	comp=Z,0.1nm,0.3s	ABTA Abfaltersbach	11.06 317	ePn	Pn	20 34 38.1 +1.3
PLD Plovdiv	3.19 18	Pn	AML	20 32 49.1 +0.3	BRY Bratogost	5.31 317	ePn	Pn	20 33 20.9 +1.7	comp=Z,1.2nm,0.5s	ABTA Abfaltersbach	11.06 317	ePn	Pn	20 36 35.8 -4.6
KRKB Karabiga-Canak	3.22 65	Pn	AML	20 32 51.9 +2.8	BRY Bratogost	5.31 317	l/Pn	Pn	20 33 19.1 -0.8	comp=Z,0.9nm,0.5s	CTI Castel Tesino	11.12 312	Pn	Pn	20 34 37.1 -0.5
KRKB Karabiga-Canak	3.22 65	Pn	AML	20 32 51.5 +1.5	UPM Unac-Piva	5.34 321	ePn	Pn	20 33 21.0 +1.0	comp=Z,1.5nm,1.1s	LESIA Lesia	11.43 320	ePn	Pn	20 34 43.2 +2.5
EDAM G?zelcaml?	3.28 114	Pn	AML	20 32 52.3 +2.4	UPM Unac-Piva	5.34 321	l/Pn	Pn	20 33 21.5 +0.7	comp=Z,0.1nm,0.2s	RJOB Jochberg	11.58 322	Pn	Pn	20 34 45.4 +1.6
GCAM G?zelcaml?	3.28 114	Pn	AML	20 32 43.8 -6.1	UPM Unac-Piva	5.34 321	l/Pn	Pn	20 33 21.7 +0.9	comp=Z,0.1nm,0.2s	KEST Kest	11.72 258	Pn	Pn	20 34 43.2 -2.5
ATIT Gnen	3.32 72	P	Pn	20 32 52.0 +1.6	MATE Matera	5.42 289	l/Pn	Pn	20 33 22.1 +0.4	comp=Z,1.7nm,0.9s	CKRC Cesky Krumlov	11.72 329	Pn	Pn	20 34 46.6 +0.9
STEP BALKESIR_Sava	3.32 84	Pn	Pn	20 32 46.5 -0.4	MATE Matera	5.42 289	P	Pn	20 33 23.1 +1.0	comp=Z,1.2nm,0.8s,comp=Z,0.1nm	WTTA Wattenberg	11.86 317	ePn	Pn	20 34 48.1 +0.4
STEP Dimitrovgrad	3.34 28	P	Pn	20 33 31.4 +1.7	MATE Matera	5.42 289	P	Pn	20 33 23.5 +1.1	comp=Z,0.2nm,0.3s	WTTA Wattenberg	11.86 317	ePn	Pn	20 36 53.5 -6.3
DM PLNA	3.36 360	Pn	Pn	20 32 51.8 +1.0	KUBS Kucevo	5.46 346	ePn	Pn	20 33 23.5 +0.8	comp=Z,0.2nm,0.3s	WTTA Wattenberg	11.86 317	ePn	Pn	20 34 48.7 +1.0
PLNA PLNA	3.36 360	Pn	Pn	20 32 52.2 +1.1	BORA Eskisehir	5.46 80	P	Pn	20 33 24.2 +2.5	comp=Z,0.3nm,0.3s	WATA Walderalm	11.93 317	ePn	Pn	20 34 48.7 +1.1
GAZK Gazikoy-TEKIRD	3.39 60	Pn	Pn	20 33 30.4 -0.5	HUMR Humele	5.53 11	l/Pn	Pn	20 33 25.1 +0.2	comp=Z,2.8nm,1.3s	WATA Walderalm	11.93 317	ePn	Pn	20 36 57.3 -4.3
GAZK Gazikoy-TEKIRD	3.39 60	Pn	Pn	20 32 54.4 +3.0	HUMR Humele	5.53 11	l/Pn	Pn	20 33 27.5 +0.9	comp=Z,0.1nm,0.2s	GERES GERES Array S	11.99 327	Pn	Pn	20 34 50.6 +1.2
DDIM Aydin, Didim	3.40 118	Pn	Pn	20 32 51.7 +0.1	HUMR Humele	5.53 11	l/Pn	Pn	20 33 27.7 +0.4	comp=Z,145,slow=16,SNR=4.2	GERES GERES Array B	11.99 327	Pn	Pn	20 34 47.4 -2.1
PHP Peshkopia	3.43 319	Pn	Pn	20 32 53.7 +1.4	HUMR Humele	5.53 11	l/Pn	Pn	20 33 28.1 +0.6	comp=Z,159,slow=22,SNR=1.8	GERES GERES Array B	11.99 327	Pn	Pn	20 36 60.0 -3.0
PHP Peshkopia	3.43 319	Pn	Pn	20 32 54.8 +2.4	HUMR Humele	5.53 11	l/Pn	Pn	20 33 30.3 +0.6	comp=Z,0.1nm,0.4s	SQTA Sankt Quirin	12.06 316	ePn	Pn	20 34 51.1 +0.7
BOSS Bosilegrad	3.46 348	ePn	Pn	20 32 53.2 +0.8	BBSL Lazii#263i	5.64 329	ePn	Pn	20 33 29.7 +0.5	comp=Z,0.1nm,0.3s	SQTA Sankt Quirin	12.06 316	ePn	Pn	20 37 00.2 -4.5
BALB Balikesir	3.47 80	Pn	Pn	20 32 54.0 +0.9	BBSL Lazii#263i	5.64 329	ePn	Pn	20 34 42.4 +1.4	comp=Z,0.1nm,0.3s	MOTA Moosalm	12.19 316	ePn	Pn	20 34 53.1 +0.9
BALB Balikesir	3.47 80	Pn	Pn	20 32 53.2 +0.8	BBSL Lazii#263i	5.64 329	ePn	Pn	20 33 31.3 +0.9	comp=Z,3.3nm,0.9s	FOTA Feichten	12.20 314	ePn	Pn	20 37 02.9 -5.1
VTS Vitosh	3.51 357	P	Pn	20 32 54.0 +0.9	BBSL Lazii#263i	5.64 329	ePn	Pn	20 33 32.3 +0.7	comp=Z,0.1nm,0.2s	FETA Feichten	12.20 314	ePn	Pn	20 34 53.5 +1.2
VTS Vitosh	3.51 357	P	Pn	20 32 52.9 -0.3	BBSL Lazii#263i	5.64 329	ePn	Pn	20 33 32.1 +0.5	comp=Z,2.4nm,1.1s	FUORN Ofenpass-Fuorn	12.24 312	Pn	Pn	20 37 04.0 -4.2
VTS Vitosh	3.51 357	ePn	Pn	20 33 35.6 +1.1	AKAS Kas	5.66 119	P	Pn	20 33 32.2 +0.2	comp=Z,1.9m,2.4s	WATA Walderalm	11.93 317	ePn	Pn	20 34 52.1 -0.9
BKES Balkesir-Mer	3.52 78	P	Pn	20 32 55.2 +2.0	MDVR Melidovita	5.81 348	l/Pn	Pn	20 33 34.3 +1.3	comp=Z,0.3nm,0.3s	WATA Walderalm	11.93 317	ePn	Pn	20 34 53.1 +0.0
CMHT Manyas	3.60 74	P	Pn	20 32 55.0 +0.7	HERR Herculeane	5.82 353	l/Pn	Pn	20 33 34.3 +1.3	comp=Z,0.3nm,0.3s	AKAS Malin Array Be	12.28 17	Pn	Pn	20 34 54.1 +0.8
EDC Edincik	3.61 69	Pn	Pn	20 32 57.3 +2.8	SAHE Sakarya_HENDEK	5.94 71	l/Pn	Pn	20 33 36.3 +0.5	comp=Z,0.1nm,0.3s,slow=12,SNR=2.8	AKAS Malin Array Be	12.28 17	Pn	Pn	20 34 56.2 -0.9
KTTT Salihli	3.64 95	Pn	Pn	20 32 56.2 +1.3	ICOR In Corvin	5.96 32	l/Pn	Pn	20 33 36.3 +0.5	comp=Z,0.1nm,0.3s,slow=12,SNR=2.8	DAVOX Davos/Dischmat	12.55 312	Pn	Pn	20 37 08.8 -7.9
BODT Bodrum	3.66 123	Pn	Pn	20 32 57.7 +2.5	CELE Celeste	5.98 264	P	Pn	20 34 42.4 +1.4	comp=Z,0.1nm,0.3s,slow=12,SNR=2.8	DAVOX Davos/Dischmat	12.55 312	Pn	Pn	20 40 31.2
BODT Bodrum	3.66 123	Pn	Pn	20 32 56.8 +1.6	ACER Acerenza	6.02 283	P	Pn	20 33 37.2 +1.1	comp=Z,0.2nm,0.8s,comp=Z,0.1nm	DAVOX Davos/Dischmat	12.55 312	Pn	Pn	20 35 04.2 +1.9
IMMV Iera Moni Meta	3.67 173	Pn	Pn	20 32 55.9 +2.6	MARCO Marco	6.02 283	P	Pn	20 33 37.2 +1.1	comp=Z,0.92nm,18.1s,slow=130,slow=41	DAVOX Jabal al Asfar	12.93 118	Pn	Pn	20 35 04.2 +1.9
IMMV Iera Moni Meta	3.67 173	Pn	Pn	20 32 55.9 +2.6	TEKS Tekeris	6.17 333	ePn	Pn	20 35 27.4	comp=Z,281,slow=10,SNR=1.6	ASF ASF	12.93 118	Pn	Pn	20 35 04.2 +1.9
IMMV Iera Moni Meta	3.67 173	Pn	Pn	20 32 55.6 +0.3	TEKS Tekeris	6.17 333	ePn	Pn	20 33 38.3 +2.2	comp=Z,0.9nm,0.6s	EIL Eila	13.36 131	Pn	Pn	20 35 09.4 +1.3
SUSP Susurluk-Batik	3.67 75	Pn	Pn	20 32 58.3 +3.0	VRSS Vrsac	6.21 346	ePn	Pn	20 33 37.4 +1.3	comp=Z,0.1nm,0.3s,slow=17,SNR=1.7	EIL Eila	13.36 131	Pn	Pn	20 35 14.6 -1.0
SUSP Susurluk-Batik	3.67 75	Pn	Pn	20 32 58.3 +3.0	VRSS Vrsac	6.21 346	ePn	Pn	20 33 37.4 +1.3	comp=Z,0.1nm,0.3s,slow=17,SNR=1.7	SENIN Lac Senin/Sane	13.90 307	Pn	Pn	20 35 24.0 -3.2
GORD Gordes-Manisa	3.68 92	Pn	Pn	20 32 58.1 +2.6	MTUR Matau	6.22 11	l/Pn	Pn	20 33 35.8 +0.8	comp=Z,2.8nm,0.9s	SENIN Lac Senin/Sane	13.90 307	Pn	Pn	20 35 30.2 +2.2
GORD Gordes-Manisa	3.68 92	Pn	Pn	20 32 58.1 +2.6	GZR Gura Zlata	6.30 356	l/Pn	Pn	20 33 37.8 +0.3	comp=Z,1.6nm,2.4s	CLL Colim	14.23 332	ePn	Pn	20 35 37.1 -1.9
EDRB Edirne	3.71 41	Pn	Pn	20 32 58.3 +2.6	ARR Arges	6.31 8	P	Pn	20 33 38.9 +0.9	comp=Z,2.74,slow=5.5,SNR=5.2	KHBZ Khabaz	15.29 66	Pn	Pn	20 43 12.6
EDRB Edirne	3.71 41	Pn	Pn	20 32 57.7 +1.9	ARR Arges	6.31 8	P	Pn	20 33 42.3 +1.3	comp=Z,0.3nm,0.7s	GNI Gani	16.43 80	LR	LR	20 36 42.0 -1.8
ODEM Odemis-Izmir	3.71 102	Pn	Pn	20 32 57.7 +1.9	ARR Arges	6.31 8	P	Pn	20 33 43.9 +2.1	comp=Z,1.3nm,0.7s	ESBB Sonseca Array	21.17 280	P	P	20 36 43.3 -0.5
ODEM Odemis-Izmir	3.71 102	Pn	Pn	20 32 57.7 +1.9	ARR Arges	6.31 8	P	Pn	20 33 42.9 -0.4	comp=Z,1.3nm,0.7s	ESDC Sonseca Array	21.17 280	P	P	20 36 46.3 -1.2
BDRM Kayabasi	3.75 122	l/Pn	Pn	20 32 57.5 +1.2	FRGS Fruska Gora	6.62 337	ePn	Pn	20 33 44.6 -0.1	comp=Z,1.8nm,1.8s,slow=21,slow=42	PAB San Pablo	21.49 280	P	P	20 36 52.5
BDRM Kayabasi	3.75 122	l/Pn	Pn	20 32 56.4 +0.1	FRGS Fruska Gora	6.62 337	ePn	Pn	20 33 44.3 -0.9	comp=Z,1.8nm,0.8s,slow=161,slow=9.2,SNR=2.1	HFS Hagfors	21.93 347	P	P	20 36 51.4 -0.2
AYDN Tasoluk	3.76 111	P	Pn	20 32 58.6 +2.0	FRGS Fruska Gora	6.62 337	ePn	Pn	20 33 46.2 +0.8	comp=Z,1.8nm,0.8s,slow=161,slow=9.2,SNR=2.1	HFS Hagfors	21.93 347	P	P	20 36 57.4 +0.5
AYDN Tasoluk	3.76 111	P	Pn	20 32 57.6 +1.0	FRGS Fruska Gora	6.62 337	ePn	Pn	20 33 46.3 +0.4	comp=Z,1.3nm,0.7s	NOA NORARS Array S	22.89 345	P	P	20 37 02.3 +0.3
AYDN Tasoluk	3.76 111	P	Pn	20 32 57.6 +1.0	FRGS Fruska Gora	6.62 337	ePn	Pn	20 33 49.3 +1.1	comp=Z,1.3nm,0.7s	NOA NORARS Array S	22.89 345	P	P	20 37 06.3 +0.8







2020 OCT

17d 22h

YULB	Yu-li	1.81 301	P	Pb	21 06 53.4 -0.3	KHLK	Kaihoka Lakes	0.59 322	P	Pn	21 27 10.4 +1.1
YULB	Wanrong	1.83 305	EP	Sb	21 07 14.3 -0.7	WVFS	Wairau Valley	0.63 162	P	Sn	21 27 15.1 +2.0
EHYH	Hungye	1.85 305	EP	Sb	21 07 15.3 +0.3	DUWZ	D'Urville Isla	0.67 71	P	Sn	21 27 11.0 +1.3
SHUL	Shoufeng	1.86 316	EP	Sb	21 07 16.0 +0.4	DUWZ	D'Urville Isla	0.67 71	P	Sn	21 27 11.0 +1.3
SHUL	Guangfu	1.87 310	EP	Sb	21 07 15.7 -0.5	BWRS	Waikahoa Road	0.74 125	P	Pn	21 27 11.8 +1.7
EGFH	Taimali	1.88 275	EP	Sb	21 07 17.2 +0.7	QCCS	Picton Queen C	0.75 111	P	Pn	21 27 11.9 +1.5
ECL	EOS3	1.92 342	EP	Sb	21 07 15.6 -1.1	THZ	Tophouse	0.76 191	P	Sn	21 27 29.0 -0.6
EOS3	EOS3	1.92 342	EP	Sb	21 07 15.6 -1.1	THZ	Tophouse	0.76 191	P	Sn	21 27 29.0 -0.6
WARBT	Fenglin Townsh	1.93 311	EP	Sb	21 07 18.1 -1.4	TUWZ	Tuamarina	0.76 123	AML	AML	21 27 12.8 +2.5
TAWH	Dawu Township	1.94 267	EP	Sb	21 07 17.7 -0.5	KASC	Karamea School	0.77 252	P	Pn	21 27 12.1 +1.8
ELDTW	Lidau	1.95 292	EP	Sb	21 06 55.1 -0.6	BSWZ	Blackbirch Sta	0.91 140	P	Pn	21 27 13.1 +1.8
ESL	Shilin	1.96 314	EP	Sb	21 07 17.7 -1.1	BSWZ	Blackbirch Sta	0.91 140	P	Pn	21 27 13.1 +1.8
EAST	Anshuo	1.98 268	EP	Sb	21 06 56.9 +0.4	CSW	Tory Channel	0.92 102	AML	AML	21 27 13.0 +1.7
IRIF	Iriomote-Funau	1.99 20	EP	Sb	21 06 56.1 -0.6	MCASZ	Murchison	0.97 216	P	Pn	21 27 13.6 +2.0
IRIF	Kuro-shima	2.01 28	EP	Sb	21 07 19.2 -0.2	SEDS	Seddon Fire St	0.99 132	P	Pn	21 27 14.0 +2.2
JKRS	Tongmen	2.03 258	EP	Sb	21 07 20.2 +0.4	LDNS	Seddon	1.02 130	P	Pn	21 27 14.4 +2.4
ETM	Manzhou Townsh	2.03 318	EP	Sb	21 06 55.4 +0.6	SKMS	Mount Lookout	1.03 164	P	Pn	21 27 14.5 +2.1
SLU	Shi	2.04 264	EP	Sb	21 07 19.2 -0.2	CMWZ	Cape Campbell	1.12 131	P	Pn	21 27 14.9 +2.2
SMU	EO2S	2.07 341	EP	Sb	21 07 19.4 -1.0	DSZ	Denniston Nort	1.21 233	P	Pn	21 27 15.3 +1.6
ETM	Hengchun	2.08 256	EP	Sb	21 07 18.0 -2.4	DSZ	Denniston Nort	1.21 233	P	Pn	21 27 15.3 +1.6
ETL	Fush Village	2.10 324	EP	Sb	21 07 19.0 -2.4	KWVS	Makera Village	1.25 102	AML	AML	21 27 15.4 +1.5
LSXB	Xiulin Townshi	2.12 317	EP	Sb	21 07 17.2 +0.2	SNZO	South Karori	1.25 104	S	Sn	21 27 33.9 -2.2
LBXIB	Hengchun	2.13 258	EP	Sb	21 07 21.2 -1.2	SNZO	South Karori	1.25 104	S	Sn	21 27 33.9 -2.2
HEN	Ninganchiao	2.13 324	EP	Sb	21 07 21.2 -1.2	WEL	Wellington	1.29 102	P	Pn	21 27 15.9 +1.5
NACB	Ninganchiao	2.13 324	EP	Sb	21 07 22.2 -0.1	KHW	Kapiti Island	1.39 84	AML	AML	21 27 16.8 +1.4
NACB	Ninganchiao	2.13 324	EP	Sb	21 07 22.2 -0.1	KHW	Kapiti Island	1.39 84	AML	AML	21 27 16.8 +1.4
STYH	Taoyuan	2.16 290	EP	Sb	21 07 21.9 +1.5	BTW	Baring Head	1.40 107	P	Pn	21 27 16.8 +1.4
STYH	Taoyuan	2.17 289	EP	Sb	21 07 22.9 +0.1	BHW	Bahurua	1.44 167	P	Pn	21 27 17.5 +1.8
STYV	Mashibuluo	2.18 275	EP	Sb	21 06 57.9 +1.7	KHZ	Kahutara	1.44 167	S	Pn	21 27 37.4 -1.9
MSBT	Fangliang	2.19 268	EP	Sb	21 06 57.9 +1.7	KHZ	Kahutara	1.44 167	S	Pn	21 27 37.4 -1.9
SCZT	Sandimen	2.22 322	EP	Sb	21 07 21.7 -1.2	KHZ	Kahutara	1.44 167	S	Pn	21 27 37.4 -1.9
ETHL	Xiulin Townshi	2.22 322	EP	Sb	21 07 23.0 -0.4	CAW	Cannon Point	1.50 94	P	Pn	21 27 17.7 +1.4
ETHL	Renai	2.23 312	EP	Sb	21 06 59.4 -0.4	CAW	Cannon Point	1.50 94	P	Pn	21 27 17.7 +1.4
OWD	Renai	2.23 312	EP	Sb	21 07 23.9 +0.1	OGWZ	Otaki Gorge	1.59 83	P	Pn	21 27 18.9 +1.6
ALD	Alishan	2.26 298	EP	Sb	21 07 20.0 +0.1	OGWZ	Otaki Gorge	1.59 83	P	Pn	21 27 18.9 +1.6
EWUT	Wuta	2.27 331	EP	Sb	21 06 59.8 -0.2	MSWZ	Moikau Station	1.68 104	AML	AML	21 27 19.6 +1.4
EWUT	Wuta	2.27 331	EP	Sb	21 06 59.8 -0.2	MSWZ	Moikau Station	1.68 104	AML	AML	21 27 19.6 +1.4
ENA	Nanau	2.29 306	EP	Sb	21 06 59.3 +1.8	NAMU	Namu Road	1.71 21	P	Pn	21 27 20.2 +1.6
ENAL	Suanglung	2.29 306	EP	Sb	21 07 24.4 -0.9	NMEZ	Nelso	1.72 109	AML	AML	21 27 20.2 +1.6
SSLB	Suanglung	2.29 306	EP	Sb	21 06 59.7 -1.2	PLWZ	Palliser	1.72 109	AML	AML	21 27 20.2 +1.6
SSLB	Suanglung	2.29 306	EP	Sb	21 07 24.9 -0.7	PLWZ	Palliser	1.72 109	AML	AML	21 27 20.2 +1.6
WUSB	Renai	2.30 312	EP	Sb	21 07 28.8 -1.1	PARZ	Paruawai Farm	1.80 102	AML	AML	21 27 20.9 +1.4
WUSB	Renai	2.30 312	EP	Sb	21 07 28.8 -1.1	PARZ	Paruawai Farm	1.80 102	AML	AML	21 27 20.9 +1.4
SGST	Jiashian	2.30 286	EP	Sb	21 07 00.5 -0.9	MTW	Mount Morrison	1.83 95	P	Pn	21 27 21.2 +1.4
SGST	Jiashian	2.30 286	EP	Sb	21 07 26.8 +0.5	MTW	Mount Morrison	1.83 95	P	Pn	21 27 21.2 +1.4
WHF	Hehuan Shan	2.31 317	EP	Sb	21 07 00.6 -0.9	HOWZ	Holdsworth Sta	1.84 87	P	Pn	21 27 21.3 +1.4
WHF	Hehuan Shan	2.31 317	EP	Sb	21 07 27.4 +1.2	HOWZ	Holdsworth Sta	1.84 87	P	Pn	21 27 21.3 +1.4
WTP	Ta-pu	2.32 290	EP	Sb	21 07 26.9 +0.1	NBEZ	Newall Road No	1.85 19	AML	AML	21 27 21.7 +1.7
WTP	Ta-pu	2.32 290	EP	Sb	21 07 26.9 +0.1	NBEZ	Newall Road No	1.85 19	AML	AML	21 27 21.7 +1.7
TPUB	Ta-pu	2.33 292	EP	Sb	21 07 27.4 +0.3	LREZ	Lake Rotokare	1.85 33	P	Pn	21 27 22.0 +1.9
TPUB	Ta-pu	2.33 292	EP	Sb	21 07 27.4 +0.3	LREZ	Lake Rotokare	1.85 33	P	Pn	21 27 22.0 +1.9
TPUB	Ta-pu	2.33 292	EP	Sb	21 07 31.1 -0.2	KHEZ	Kahui Hut	1.86 23	P	Pn	21 27 21.6 +1.3
CHN4	Tsaushan	2.38 292	EP	Sb	21 07 31.1 -0.2	KHEZ	Kahui Hut	1.86 23	S	Pn	21 27 46.4 -0.8
CHN4	Tsaushan	2.38 292	EP	Sb	21 07 31.1 -0.2	KHEZ	Kahui Hut	1.86 23	S	Pn	21 27 46.4 -0.8
CHN1	Nanshi	2.38 288	EP	Sb	21 07 00.5 +1.6	KHEZ	Kahui Hut	1.86 23	S	Pn	21 27 46.4 -0.8
CHN1	Nanshi	2.38 288	EP	Sb	21 07 28.2 +0.4	LTZ	Lake Taylor	1.86 199	P	Pn	21 27 22.2 +2.0
FUSS	Fushou	2.39 318	EP	Sb	21 07 02.7 +0.3	PREZ	Palmer Road	1.86 26	P	Pn	21 27 21.8 +1.5
FUSS	Fushou	2.39 318	EP	Sb	21 07 02.7 +0.3	PREZ	Palmer Road	1.86 26	P	Pn	21 27 21.8 +1.5
WCKO	Fanlu	2.40 294	EP	Sb	21 07 02.9 +0.4	OHWZ	Ohakea	1.88 65	P	Pn	21 27 22.2 +1.9
WCKO	Fanlu	2.40 294	EP	Sb	21 07 29.0 +1.3	OHWZ	Ohakea	1.88 65	P	Pn	21 27 22.2 +1.9
CHNS	Tsauling	2.41 299	EP	Sb	21 07 03.8 +0.5	NEZ	North Egmont	1.91 24	P	Pn	21 27 22.1 +1.3
CHNS	Tsauling	2.41 299	EP	Sb	21 07 30.6 +1.6	NEZ	North Egmont	1.91 24	P	Pn	21 27 22.1 +1.3
WPL	Puli Township	2.42 310	EP	Sb	21 07 04.0 +0.7	WAZ	Wanganui	1.92 50	AML	AML	21 27 22.9 +2.1
WPL	Puli Township	2.42 310	EP	Sb	21 07 04.0 +0.7	WAZ	Wanganui	1.92 50	AML	AML	21 27 22.9 +2.1
TYC	Yuchr	2.43 307	EP	Sb	21 07 02.3 -1.5	MRZ	Mangatainoka R	1.92 80	P	Pn	21 27 22.0 +1.2
TYC	Yuchr	2.43 307	EP	Sb	21 07 29.6 -0.1	MRZ	Mangatainoka R	1.92 80	P	Pn	21 27 22.0 +1.2
TKW	Hsiinying	2.44 290	EP	Sb	21 07 04.3 +0.6	GVZ	Greta Valley S	1.95 181	P	Pn	21 27 23.2 +2.1
TKW	Hsiinying	2.44 290	EP	Sb	21 07 33.3 -0.2	GVZ	Greta Valley S	1.95 181	P	Pn	21 27 23.2 +2.1
TWT	Tachien	2.44 317	EP	Sb	21 07 04.3 +0.6	PKKE	Pukeiti	1.95 21	AML	AML	21 27 22.8 +1.6
TWT	Tachien	2.44 317	EP	Sb	21 07 04.3 +0.6	PKKE	Pukeiti	1.95 21	AML	AML	21 27 22.8 +1.6
JISG	Ishigakijimahi	2.45 30	EP	Sb	21 07 30.2 +0.1	TRWZ	Traveller	2.00 102	P	Pn	21 27 23.3 +1.7
JISG	Ishigakijimahi	2.45 30	EP	Sb	21 07 30.2 +0.1	TRWZ	Traveller	2.00 102	P	Pn	21 27 23.3 +1.7
NNSB	Datong	2.45 324	EP	Sb	21 07 03.9 -0.3	TRWZ	Traveller	2.00 102	P	Pn	21 27 23.3 +1.7
NNSB	Datong	2.45 324	EP	Sb	21 07 03.9 -0.3	TRWZ	Traveller	2.00 102	P	Pn	21 27 23.3 +1.7
NNSH	Datong	2.45 324	EP	Sb	21 07 33.0 -1.3	DRZ	Durham Road	2.02 25	P	Pn	21 27 23.4 +1.5
NNSH	Datong	2.45 324	EP	Sb	21 07 33.0 -1.3	DRZ	Durham Road	2.02 25	P	Pn	21 27 23.4 +1.5
DPDS	Guoxing	2.46 320	EP	Sb	21 07 05.0 +0.7	INZ	Inchbonnie	2.10 215	AML	AML	21 27 24.6 +1.8
DPDS	Guoxing	2.46 320	EP	Sb	21 07 05.0 +0.7	INZ	Inchbonnie	2.10 215	AML	AML	21 27 24.6 +1.8
NDS	Dongshan	2.46 322	EP	Sb	21 07 03.5 -1.0	TMWZ	Te Maipa	2.12 93	P	Pn	21 27 24.6 +1.6
NDS	Dongshan	2.46 322	EP	Sb	21 07 03.5 -1.0	TMWZ	Te Maipa	2.12 93	P	Pn	21 27 24.6 +1.6
LATG	Datong	2.46 327	EP	Sb	21 07 32.2 +1.3	POWZ	Post Office Ro	2.13 74	P	Pn	21 27 24.3 +1.2
LATG	Datong	2.46 327	EP	Sb	21 07 32.2 +1.3	POWZ	Post Office Ro	2.13 74	P	Pn	21 27 24.3 +1.2
LATG	Nan Shan	2.47 323	EP	Sb	21 07 03.2 -1.7	AMCZ	Amberley	2.18 188	AML	AML	21 27 25.7 +2.0
LATG	Nan Shan	2.47 323	EP	Sb	21 07 03.2 -1.7	AMCZ	Amberley	2.18 188	AML	AML	21 27 25.7 +2.0
NNS	Beigang Elemen	2.48 310	EP	Sb	21 07 31.4 +0.2	PRWZ	Pori Road	2.24 79	P	Pn	21 27 25.9 +1.6
NNS	Beigang Elemen	2.48 310	EP	Sb	21 07 31.4 +0.2	PRWZ	Pori Road	2.24 79	P	Pn	21 27 25.9 +1.6
WCS	Douliu	2.56 299	EP	Sb	21 07 00.7 -0.2	PRWZ	Pori Road	2.24 79	P	Pn	21 27 25.9 +1.6
WCS	Douliu	2.56 299	EP	Sb	21 07 00.7 -0.2	PRWZ	Pori Road	2.24 79	P	Pn	21 27 25.9 +1.6
WDLH	Fushanzhiwuyua	2.62 331	EP	Sb	21 07 00.7 -0.2	VERA	Verara	2.29 35	P	Pn	21 27 26.2 +1.3
WDLH	Fushanzhiwuyua	2.62 331	EP	Sb	21 07 00.7 -0.2	VERA	Verara	2.29 35	P	Pn	21 27 26.2 +1.3
YHNB	Yeheng	2.65 327	EP	Sb	21 07 03.1 -0.5	TAKA	Takapari Road	2.39 67	AML	AML	21 27 27.3 +1.1
YHNB	Yeheng	2.65 327	EP	Sb	21 07 03.1 -0.5	TAKA	Takapari Road	2.39 67	AML	AML	21 27 27.3 +1.1
NSK	Sanguang	2.66 326	EP	Sb	21 07 07.1 +0.6	TSZ	Takapari Road	2.39 67	AML	AML	21 27 27.3 +1.1
NSK	Sanguang	2.66 326	EP	Sb	21 07 07.1 +0.6	TSZ	Takapari Road	2.39 67	AML	AML	21 27 27.3 +1.1
NWLT	TJ Tara	2.69 36	EP	Sb	21 07 36.5 -1.6	BFZ	Birch Farm	2.42 83	P	Pn	21 27 27.8 +1.4
NWLT	TJ Tara	2.69 36	EP	Sb	21 07 36.5 -1.6	BFZ	Birch Farm	2.42 83	P	Pn	21 27 27.8 +1.4
TJUT	Taichung	2.71 309	EP	Sb	21 07 06.3 -1.3	BFZ	Birch Farm	2.42 83	P	Pn	21 27 27.8 +1.4
TJUT	Taichung	2.71 309	EP	Sb	21 07 06.3 -1.3	BFZ	Birch Farm	2.42 83	P	Pn	21 27 27.8 +1.4
TIPB	Shuangxi	2.72 337	EP	Sb	21 07 06.3 -1.3	OXZ	Oxford	2.43 98	P	Pn	21 27 28.0 +1.4
TIPB	Shuangxi	2.72 337	EP	Sb	21 07 06.3 -1.3	OXZ	Oxford	2.43 98	P	Pn	21 27 28.0 +1.4
TIPB	Shuangxi	2.72 337	EP	Sb	21 07 06.3 -1.3						



Table with columns: Call sign, Frequency, Mode, Power, and other technical details. Includes stations like EIL, AKASG, AKSAB, etc.

Table with columns: Call sign, Frequency, Mode, Power, and other technical details. Includes stations like M001, F21K, IMAR, etc.

Table with columns: Call sign, Frequency, Mode, Power, and other technical details. Includes stations like KBTR, KBTR, KLY, etc.

IDC 17.23:26.54:8.5, 4.62S: 102.54E, h59km, 44km, mb3.8/11, mtbpm4, 1/12, ML3.9/1, MS3.0/2, Error ellipse: s-maj=61.5km s-min=14.1km az=54.0 DJA 17.23:26.56:5.0:3.5:2.10'3E', h32km, 3km, M4.5/25, ML4.5/25

NEIC 17.23:26.56:3.1:2.4:48S:0.07:102.70E:0.07, h63km, 5km, mb4.3/19, Error ellipse: s-maj=10.4km s-min=9.2km

ISC 17.23:26.55:6.0:9.4:60S:0.07:102.73E:0.07, h63km, 7km, n67, r142/67, mb4.3/21, Southern Sumatra

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like MNAI, MNAI, MNAI, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KRJI Kerinci, PPSI Pulau Pagai, CGJI Cibinong, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CO03 El Pedregal, CO03 El Pedregal, CO02 Combarbal, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MLO2 Panimavida, MLO2 Maricunga, AC02 Maricunga, etc.

SJA 18 00:04:26.7, 0.7, 31.51S:69.49W, h107km, 3km, MLL4.0, MW3.9
NEIC 18 00:04:26.9, 2.0, 31.537S:0.008:69.50W, 0.05, h113km, 6km, mb4.2/14, Error ellipse: s-maj=5.8km, s-min=1.1km, az=88.0
IDC 18 00:04:27.4, 1.7, 31.34S:69.42W, h111km, 11km, mb3.77, mbtm4.1/9, Error ellipse: s-maj=28.0km s-min=22.0km az=87.0
ISC 18 00:04:26.8, 0.6, 31.50S:0.03:69.49W, 0.03, h116km, 5km, n126, r159/150, mb4.1/9, 4C-2D, San Juan Province

IDC 18 00:05:09.8, 0.5, 62.19S:58.03W, h0km, mb4.3/14, mbtm4.3/15, MLL3.9/1, MS4.4/37, Error ellipse: s-maj=18.1km s-min=10.7km az=83.0
MOS 18 00:05:10.2, 1.0, 62.28S:58.33W, h10km, mb4.8/10, Error ellipse: s-maj=9.2km s-min=9.2km az=92.6
NEIC 18 00:05:11.4, 6.2, 55S:57.97W, h20km, Moment Tensor Solution. Duration: 18 Moment tensor: Scale 10^16Nm; Mrr-2.43; Mth0.54; Mtt1.89; Mtr1.60; Mts5.14; Mtr-6.02; Fault plane solution: M8.37000x10^16 NP1: 257.62000, 841.25000, -1.17, 71000. NP2: 1.12000, 878.43000, -1.129.88000. Principal axes: T: 7.8948, Plg23.0000, Azm121.0000; N: 0.8891, Plg39.0000, Azm11.0000; P: -8.7840, Plg42.0000, Azm233.0000.
NEIC 18 00:05:11.4, 1.2, 62.35S:0.04:58.40W, 0.09, h107km, 1km, mb5.0/5M, Mww5.2/15, Error ellipse: s-maj=9.4km s-min=3.5km az=42.0
NEIC 18 00:05:11.4, 62.35S:58.40W, h10km, BUI 18 00:05:11.0, 62.30S:58.40W, h10km, mb5.4/2, Ms5.3/1, Ms7.5/2.2
GCMT 18 00:05:15.1, 0.2, 62.36S:0.01:58.24W, 0.02, h12km, MW5.1/135, Moment Tensor Solution. s71,c95; s135,c209; Duration: 0 Moment tensor: Scale 10^16Nm; Mrr-1.30z; Mth-0.71z; Mtt-2.00z; Mtr-4.47z; Mts-1.2z; Mtr-2.2z; Mtt-2.2z; Best double couple: Ms5.83300x10^16 NP1: 261.00000, 865.00000, -1.3, 00000. NP2: 355.00000, 832.00000, -1.154.00000. Principal axes: T: 6.2480, Plg12.0000, Azm126.0000; N: -0.8380, Plg63.0000, Azm12.0000; P: -5.4170, Plg24.0000, Azm221.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function
ISC 18 00:05:11.6, 0.3, 62.31S:0.04:58.42W, 0.04, h10km, n212, r179/201, mb4.9/36, MS4.5/36, 14C-4D, South Shetland Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JUBA Jubyany, JUBA Jubyany, JUBA Jubyany, etc.

18d 0h

Table with columns for station name, frequency, polarization, and other technical details. Includes stations like USHA, MG03, EFI, etc.

2020 OCT

Table with columns for station name, frequency, polarization, and other technical details. Includes stations like BDFB Brasilia, RPN Rapa Nui, etc.

872

Table with columns for station name, frequency, polarization, and other technical details. Includes stations like ZST Bratislava, CMAR Chiang Mai Arr, etc.

Technical notes and calculations including:
IDC 18 00:05:54.8, 2.3, 40.31N, 142.07E, h57km, 19km, mb3.6/9
NIED 18 00:05:55.3, 40.34N, 142.04E, h52km, MW3.7, Moment Tensor Solution...

Table with columns for Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual. Includes stations like JKEN Kujedananaris, JANG Nango, etc.









Table with columns: KHZ, Kahutara, 2.83 178, P, Pn, 01 39 37.2 +0.4

IDC 18 01:41:45.9,0.6,34:62N,26:57E,h0km,mb4.1/21,mtmp4.0,30,ML3.3/8,M53.3/3,Error ellipse:

ATH 18 01:41:49.8,34.61N,26:68E,h12km,4km,ML3.5/24, Latitude uncertainty: 3 km; Longitude uncertainty: 2 km

AFAD 18 01:41:55.3,34:98N,26:85E,h7km,2km,ML3.0

NAO 18 01:41:57.9,35:08N,24:47E,h33km,MB3.6

ISC 18 01:41:49.1,1.2,34:58N,0:04:26.78E,0:02:h26km,9km,

Main table for 18d 1h section, listing stations like ZKR Zakros, ZKR Siteia, KARP Karpathos, etc.

Main table for 2020 OCT section, listing stations like KSL Kastellorizon, YER Yerkesik, MLBS Milas, etc.

Main table for 876 section, listing stations like JER Jerusalem, JER Roi, QJRN Al-Qirein, etc.









18d 3h

Table of astronomical observations for 18d 3h, listing station names, coordinates, and observation details.

20 OCT

Table of astronomical observations for 20 OCT, listing station names, coordinates, and observation details.

880

Table of astronomical observations for 880, listing station names, coordinates, and observation details.





Table with columns: FITZ, WRA, WRA, ASAR, ASAR, PMG, MKAR, ZALV. Includes station names, times, and various codes.

MDD 18 04:36:34.9-0.5, 32.18N-16.89W, h0km, Mb4.2/28, M, mb3.5/30, Error ellipse: s-maj=8.6km s-min=3.4km az=81.0

INMG 18 04:36:39.0-1.1, 32.36N-16.83W, h9km, ML2.2, Error ellipse: s-maj=5.0km s-min=1.3km az=90.0

#DIST\_RANGE: LOCAL #PMA\_REGION: SE Funchal (Madeira)

ISC 18 04:36:32.8-0.8, 32.222N, 0.04-16.73W, 0.06, h10km, n39, #2506/4, 29C, Madeira Islands region

Main table for Madeira Islands region with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Funchal, Porto Moniz, Porto Santo, etc.

Table with columns: CMCL, CMCL, CMCL, CMCL. Includes station names like Mercader, Tacoron and times.

IDC 18 04:40:31.0-5.5, 27.85N-141.09E, h51km, 48km, mb3.6/3, mbtm3.8/4, ML2.5/1, Error ellipse: s-maj=142.0km s-min=25.7km az=81.0, Bonin Islands region

IDC 18 04:46:34.0-0.5, 10.37S-123.22E, h0km, mb3.9/3, mbtm3.7/6, ML3.5/3, Error ellipse: s-maj=49.9km s-min=13.6km az=62.0

DJA 18 04:46:41.7-0.8, 10.37S-123.22E, h18km, 16km, M3.1/7, ML3.1/7

ISC 18 04:46:37.5-0.8, 10.52S-123.96E, 0.08, h35km, n10, #2517/15, mb4.1/3, Timor region

Main table for Timor region with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Soe, Maumere, Ende, Flores, etc.

IDC 18 05:25:15.8-1.3, 26.20N-97.39E, h0km, mb3.2/4, mbtm3.3/5, ML4.1/1, Error ellipse: s-maj=64.0km s-min=19.0km az=74.0, Myanmar

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Chiang Mai, Songino Array, etc.

DJA 18 05:46:35.6-2.4, 13.18N-18.12E, h71km, 11km, M5.3/18, mb4.8/18, mb5.4/6, ML5.5/8, Mwm(B)4.9/6, Mwmw5.0/1, Mw5.2/1

IDC 18 05:46:48.0-0.5, 11.11N-126.05E, h0km, mb4.4/23, mbtm4.4/23, ML4.1/2, MS3.2/3, Error ellipse: s-maj=23.0km s-min=10.1km az=77.0

MAN 18 05:46:51.0, 11.32N-126.29E, h27km, MS4.5, MAN INTENSITY II - GIULIAN EASTERN SAMAR, BUJ 18 05:46:52.9, 11.14N-126.00E, h38km, mb5.0/13, mb4.8/41, MS4.5/23, Ms7.4.4/25

NEIC 18 05:46:54.7-1.0, 11.18N-126.09E, 125.9E, 0.1, h35km, 2km, mb4.8/47, Error ellipse: s-maj=18.7km s-min=14.4km az=80.0

GFZ 18 05:46:55.2-0.3, 11.12N-126.12E, h40km, 2km, M5.5/45, mb4.9/45, Error ellipse: s-maj=7.2km s-min=4.5km az=82.4, confirmed

ISC 18 05:46:52.8-0.4, 11.15N-126.07E, 0.04, h26km, 2km, h26km, #P-P, n235, #1570/245, mb4.7/88, MS3.9/28, 2C, Philippine Islands

Main table for Philippine Islands with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Palo, Surigao, Tandag City, etc.

Table with columns for station code, name, frequency, and other technical details. Includes stations like JNU Nakatsue, JAGI Jajag, JMI Monohe, etc.

Table with columns for station code, name, frequency, and other technical details. Includes stations like BRDH Bariadhala, AS31 Alice Springs, ASAR Alice Springs, etc.

Table with columns for station code, name, frequency, and other technical details. Includes stations like BORK Borovoye, NR1K Norik'sak, AB31 Abukil, etc.

NEIC 18 05:50:12.5:2.0, 19:15:0.1:177.3W:0.1, h393km:6km, mb4,3/61, Error ellipse: s-maj=18.1km s-min=14.1km az=183.0

IDC 18 05:50:14.0:2.0, 19:16S:177.42W, h411km:20km, mb3,6/12, mbtmp:4,3/15, Error ellipse: s-maj=15.5km s-min=13.9km az=104.0

ISC 18 05:50:12.6:0.4, 19:14S:0:09:177.30W:0.1, h400km, n17,-0887/101, mb4,3/47,1C-1D, Fiji Islands region

Table with columns for Code, Station Name, Frequency, and other technical details. Includes stations like MSVF Nonsavu, MSVF Nonsavu, DZM Mont Dzumac, etc.







Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like GUMO, JMW, JOW, JMN, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like M19K, PDGK, J19K, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like B04A, F03A, GNW, etc.

18d 6h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MT01 Popeta, BO02 Sierra Bellavi, etc.

WEL 18 06:11:38.5±0.5, 41°S, 9°17'5E, h5km, M1.6/6, ML1.6/9, ML1.6/6, Error ellipse: s-maj=5.0km s-min=3.4km az=136.3, confirmed, North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FXBS Foxton Beach S, OGWZ Otaki Gorge, etc.

BJI 18 06:14:36.0, 37°40N, 72°00E, h127km, mB4.7/4, mb4.6/27 MOS 18 06:14:36.8±1.0, 37°31N, 71°59E, h144km, mB4.5/30, Error ellipse: s-maj=5.6km s-min=3.6km az=86.4

NEIC 18 06:14:37.7±1.2, 37°29N, 0°06'71.93E±0.09, h137km, 8km, mb4.4/35, Error ellipse: s-maj=10.9km s-min=8.5km az=91.0

IDC 18 06:14:38.2±0.9, 37°22N, 71°93E, h154km, 6km, mb3.7/25, mbmp4.2/30, MS3.9/1, Error ellipse: s-maj=16.7km s-min=8.9km az=3.0

GFZ 18 06:14:38.1±0.3, 37°N, 3°7'2E, h126km, 4km, M4.2/19, mb4.5/19

NNC 18 06:14:39.5±4.5, 37°52N, 71°81E, h155km, 98km, mb3.9, mpv4.8, Error ellipse: s-maj=46.0km s-min=20.4km az=8.0

ISC 18 06:14:36.6±0.4, 37°18N, 0°04'71.95E±0.03, h134km, 4km, h113km, mP-P, n281, 1388/325, mb4.2/74, 22C-12D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DRK Karamyk, DRK Karamyk, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KK31 Karatay Array, KK31 Karatay Array, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GOMU, ZAAO Zalesovo Array, etc.

Table with columns: Station Name, Time, Res, ISC, and various codes. Includes stations like Kiev, Noril'sk, Minsk, and others.

Table with columns: Station Name, Time, Res, ISC, and various codes. Includes stations like Castel Tesino, Ussuriysk, Dava, and others.

Table with columns: Station Name, Time, Res, ISC, and various codes. Includes stations like Puerto Lpez, Refugio Sur-Vo, San Lorenzo, and others.

Table with columns for station name, frequency, and other details. Includes stations like SPBC, PIRO, BQUAL, PNME, etc.

Table with columns for station name, frequency, and other details. Includes stations like LPAZ, LPBZ, LPBZ, LPBZ, etc.

Table with columns for station name, frequency, and other details. Includes stations like MCLT, MCLT, SLBI, SLBI, etc.



Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like 760A Bolivia, HODGE Hodges, PLCA Paso Flores, etc.

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like OK052 Battle Ridge R, R49A Shelbyville, CBN Sherbin Frederi, etc.

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like MVCO Mesa Verde, HNH Hanover, DELO DeLoro, etc.



Table with columns: Station Name, Frequency, Power, Mode, Direction, and Time. Includes stations like San Pablo, Porcupine Dome, North Greenlan, China Pool, Eielson Array, etc.

Table with columns: Station Name, Frequency, Power, Mode, Direction, and Time. Includes stations like Holitna River, Keswick, Cumbri, Stroud, Sand Point, Innoko River, etc.

Table with columns: Station Name, Frequency, Power, Mode, Direction, and Time. Includes stations like Colim, Colim, Colim, Colim, Colim, etc.

Table with columns: Code, Station Name, Time, Res, h, m, s, ISC, Pn, Sbn, Ssc. Includes stations like KBZ Khabaz, YAK Yakutsk, GURO Guromak-BITLI, ARTI Arti, etc.

Table with columns: Code, Station Name, Time, Res, h, m, s, ISC, Pn, Sbn, Ssc. Includes stations like WRA Warramunga Arr, WRA Darian, DL2 Urumqi, KSH2 Kashi, etc.

Table with columns: Code, Station Name, Time, Res, h, m, s, ISC, Pn, Sbn, Ssc. Includes stations like AF01 San Pedro de A, PB12 IPOC Station P, PB14 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, El, P, R, Time, Res. Includes stations like Podgornoye, Kajisay, Boomkooske usch, Makanchi Array, etc.

MOS 18 07:34:57.4,0.5,50.45N;156.81E, h94km, mb4.1/1, Error ellipse: s-maj=26.0km s-min=4.5km az=75.1

ISC 18 07:34:58.0,1.5,50.58N;156.84E, h97km, mb4.3 NEIC 18 07:35:00.5,1.4,50.59N;0.1:156.2E;0.2, h116km, 8km, mb4.1/13, Error ellipse: s-maj=24.5km s-min=4.0km az=126.0

IDC 18 07:35:01.7,2.1,50.96N;156.14E, h128km, 19km, mb3.4/10, mbtmp, 3.13, M54.0/1, Error ellipse: s-maj=28.0km s-min=13.2km az=149.0

Table with columns: Code, Station Name, Az, El, P, R, Time, Res. Includes stations like Severo-Kuril's, Pauzhetka, Khodutka, Kamc, Malaya Ipe'l'ka, etc.

Table with columns: Code, Station Name, Az, El, P, R, Time, Res. Includes stations like Your Creek, WAKE ISLAND Hy 31.75 162, WAKE ISLAND Hy 31.77 162, etc.

ISK 18 07:44:26.8, 38.49N;25.76E, h12km, ML2.7/22 THE 18 07:44:27.9, 38.1N;3.2E, h5km, 5km, ML2.5/9 ATT 18 07:44:27.5, 38.40N;26.91E, h27km, 2km, ML2.6/7

AFAD 18 07:44:28.2, 38.46N;25.82E, h19km, 2km, ML2.5 ISC 18 07:44:27.8,0.9,38.45N;0.02-25.80E;0.02, h18km, 4km, n68, c069/109, Aegean Sea

Table with columns: Code, Station Name, Az, El, P, R, Time, Res. Includes stations like Chios island, Marmaro, Chios, Karabur, etc.

Table with columns: Code, Station Name, Az, El, P, R, Time, Res. Includes stations like Dikili, Canakkale, Ayvalik, Karyates, etc.







Table with columns: VAE, Valguarnera, 7.28 260 Pn, Pn, 08 09 01.9 -1.1, etc. Lists various astronomical objects and their properties.

Table with columns: GERES, GERESS Array B, 11.96 327 Pn, Pn, 08 10 05.7 -1.4, etc. Lists astronomical objects and their properties.

Table with columns: FINES, FINESS Array B, 22.40 3 P, P, 08 12 14.6 -0.3, etc. Lists astronomical objects and their properties.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error, Azimuth Rate Error, Elevation Rate Error. Includes stations like Makanchi Array, Zalesovo Beam, Kangerlussuaq, etc.

BUC 18 08:08:10.2±0.1,44:57N:27:13E,h8km±1km,m3.1/61, 62C-48D, Error ellipse: s-maj=0.9km s-min=0.8km az=16.0,Romania

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like AMRR Amara, LEHLI Lehlui, PGOR Pogoanele, etc.

Main table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like IZVR, TUDR, NEGRR, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like PB05, PB03, PB03, etc.

IDC 18 08:31:03.4±3.4,20:15S±175:79W,h243km±29km,mb3.1/4, mbmp3.8/6, Error ellipse: s-maj=29.1km s-min=23.3km az=63.0

ISC 18 08:31:03.9±1.2,20:15S±0.2:175:80W±2,h250km,n6, c=083/8,mb3.2/4,Tonga Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like MSVF, URZ, ASAR, etc.















18d 14h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ATKA Atka Island, KOWE Korovin West, KOKL Mount Kluechev, etc.

IDC 18 13:33:40.6:1.0, 7.46N, 33.45E, h0km, mb3.7/6, mbtmp=16.3km az=64.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KMBO Kilima Mbogo, EIL Elat, ASF Jabal al Asfar, etc.

SDD 18 13:57:55.9:1.8, 17.88N, 67.01W, h20km, 7km, MD2.9, ML2.8, MW3.0, Presumed earthquake

OSPL 18 13:57:56.0:3, 17.87N, 67.01W, h14km, 3km, MD3.6, ML3.4, Presumed earthquake

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MLPR Magueyes Isian, GBPR Guanica, CRPR Cabo Rojo, etc.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AOPR Arecibo Observ, AOPR Arecibo Observ, AOPR Arecibo Observ, etc.

CATAC 18 14:00:43.4:0.6, 12.1N, 3.8W, h24km, 5km, MA, 1/18, mb5.3/1, mB5.3/1, MLV3.5/18, Mw(mb)4.8/1, Error ellipse: s-maj=5.8km s-min=2.7km az=21.8, confirmed

NEIC 18 14:00:44.6:1.7, 11.83N, 0.06E, 87.58W, h0.07, h25km, 7km, mb4.5/19, Error ellipse: s-maj=10.4km s-min=7.7km az=45.0

SNET 18 14:00:46.3:2.3, 12.10N, 87.64W, h10km, ML3.4, UCR 18 14:00:46.0:0.5, 8.04N, 87.80W, h18km, MW3.6, Presumed earthquake

IDC 18 14:01:27.7:40.0, 17.87N, 87.55W, h0km, mb3.82, mbtmp=17.3, ML4.1/1, Error ellipse: s-maj=685.0km s-min=99.5km az=169.0

IDC 18 14:00:40.6:1.5, 19.32N, 0.05E, 87.71W, h0.03, h1km, gkm, n77, c102/96, mb4.6/11, 10C, Near coast of Nicaragua

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CRIN San Cristobal, CRIN San Cristobal, PKGN Cerro Pekin, etc.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SNAG, TXAR Lajitas Array, TXAR Lajitas Array, TX31 Lajitas Ar. Si, etc.

SJA 18 14:19:37.4:1.1, 22.84S, 66.37W, h262km, 8km, ML3.6, MW3.7

NEIC 18 14:19:38.7:1.4, 22.93S, 0.08E, 66.37W, 0.1, h228km, 10km, mb4.0/6, Error ellipse: s-maj=17.3km s-min=11.7km az=101.0

IDC 18 14:19:38.1:0.3, 22.80S, 66.11W, h217km, 35km, mb3.3/2, mbtmp=14.0, Error ellipse: s-maj=33.8km s-min=26.1km az=120.0

IDC 18 14:19:38.4:0.7, 22.85S, 0.05E, 66.47W, 0.04, h222km, n51, c241/169, mb3.9/3, Jujuy Province

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HJA Humahuaca, HJA Yavi, SALTA San Pedro de A, etc.



18d 15h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MSFV Nonsavu, MSFV Niue, FUNA Funafuti, etc.

NOU 18:53:22.4, 207:15S:178:65W, h630km, mb4.3/13, Fiji Islands Region
NEIC 18:53:23.9, 1.6, 20:7S:0.1x178:7W:0.1, h615km, 6km, mb4.3/13, Error ellipse: s=17.1km s-min=14.7km

IDC 18:53:24.9, 1.4, 20:61S:178:87W, h633km, 16km, mb3.4/17, mbmtpd, 3/19, Error ellipse: s=ma=16.2km s-min=10.2km az=153.0

ISC 18:53:25.0, 2.0, 20:71S:0.0x177:81W:0.0, h645km, n252, 18:53:25.0, 2.0, 20:71S:0.0x177:81W:0.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MSFV Nonsavu, MSFV Niue, FUNA Funafuti, etc.

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Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VRZ Vera Road, BFZ Birch Farm, MRZ Mangatoinoka R, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like L19K comp=Z,1.1nm,1.5s, PWL Port Wells, etc.





18d 16h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, SBA, Scott Base. Lists various stations and their coordinates and phases.

2020 OCT

Table with columns: SBA, Scott Base, Time, Res, SBA, Scott Base. Lists various stations and their coordinates and phases.

910

Table with columns: SBA, Scott Base, Time, Res, SBA, Scott Base. Lists various stations and their coordinates and phases.

GLI 18 16:46:08.8,0.0,34:148N:0.002:34:597E:0:001,h0km, Mms2.6, confirmed

GRAL 18 16:46:10.0,0.0,34:13N:34:65E,h22km,3km,MD2.9

ISC 18 16:46:07.9,1.4,34:17N:0.04:34:61E:0.005,h21km,5km, n25,+031:46,Cyprus region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, SBA, Scott Base. Lists various stations and their coordinates and phases.

IDC 18 16:46:36.6,0.5,62:20N:124:48W,h0km,mb3.9/15, mbtmp4.023,ML4.2/7,MS3.0/15, Error ellipse: s-maj=9.0km s-min=8.5km az=112.0

NEIC 18 16:46:37.0,0.8,62:26N:102:24W,0.1, h2km,4km, mb4.3/19,Mw4.0/13,Mw4.0(0.5T), Error ellipse: s-maj=9.3km s-min=6.8km az=122.0, Moment Tensor Solution. Moment tensor: Scale 10^19Nm; Mr:0.80; Mw:0.60; Ms:0.20; Mo:0.53; Mo:0.33; Mo:0.55; Fault plane solution: M1:1.0000x10^15 N1:1.3100x10^15; 0.67:1.1000; 1.98:54000; NP2:109.70000; 0.24:35000; 1.70:63000; Principal axes: T:1.1186, Plg67.0000; Azm236.0000; N:-0.0442, Plg8.0000; Azm127.0000; P:-1.0745, Plg22.0000; Azm34.0000; P

NEIC 18 16:46:37.8,62.24N:124:48W,h0km,Moment Tensor Solution. Moment tensor: Scale 10^19Nm; Mr:0.96; Ms:0.28; Mo:0.75; Mo:0.66; Mo:0.50; Mo:0.59; Fault plane solution: M1:3.0000x10^15 N1:1.159.00000; 0.26:00000; 1.09.00000; NP2:109.00000; 0.26:00000; 1.81.00000; Principal axes: T:1.3338, Plg8.0000; Azm21.00000; N:0.0232, Plg8.00000; Azm321.00000; P:-1.3569, Plg20.0000; Azm54.00000;

NEIC 18 16:46:37.2,62:25N:124:40W,h4km PGC 18 16:46:37.8,0.0,62:24N:124:48W,h8km,ML4.6/14, mb4.3(NEIC), 122km zone of Wrigley, Nt Wn Territories - Nunavut, Canada

ISC 18 16:46:37.5,0.4,62:26N:103:124W,0.003,h0km,n214, 0:188/187,mb4.255,MS3.07, Northwest Territories

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, SBA, Scott Base. Lists various stations and their coordinates and phases.

P32M	Whitehorse	5.31 257	Sn	Sn	16 48 54.5 -3.7
WHY	Whitehorse	5.31 257	Pn	Pn	16 47 54.9 -2.2
WHY	Whitehorse	5.31 257	Pn	Pn	16 47 55.3 -1.9
N31M	Braeburn, Yuko	5.48 267	Pn	Pn	16 47 57.7 -1.6
N31M	Braeburn, Yuko	5.48 267	Pn	Pn	16 47 57.7 -1.6
S34M	Telegraph Cree	5.53 221	Pn	Pn	16 47 58.1 -1.2
S34M	Telegraph Cree	5.53 221	Pn	Pn	16 47 58.8 -1.2
H31M	Peel River	5.66 313	Pn	Pn	16 48 00.9 -0.9
NBC8	Simpson Ranch	5.79 169	Pn	Pn	16 48 01.3 -2.3
J30M	Hart River	5.87 299	Pn	Pn	16 48 03.3 -1.5
SKAG	Skagway	6.07 247	S	S	16 48 05.7 -1.6
SKAG	Skagway	6.07 247	S	S	16 48 07.2 -3.4
SKAG	Skagway	6.07 247	Pn	Pn	16 48 05.5 -1.8
T35M	Bob Quinn	6.09 212	Pn	Pn	16 48 06.3 -1.4
N30M	Aishikik Lake	6.10 268	Pn	Pn	16 48 06.1 -1.7
I30M	Mount Dempster	6.12 304	Pn	Pn	16 48 06.5 -1.7
K23M	Barlow Dome	6.21 291	Pn	Pn	16 48 07.7 -1.8
NBC7	Fort St John	6.27 162	Pn	Pn	16 48 09.1 -1.0
BMTB	Bullhead Mount	6.33 169	Pn	Pn	16 48 09.1 -2.0
BESE	Bessie Mountai	6.39 239	Pn	Pn	16 48 10.6 -1.2
BESE	Bessie Mountai	6.39 239	Sg	Sg	16 49 48.9 +3.6
JIS	Juneau Island	6.40 236	Pn	Pn	16 48 11.1 -0.8
L29M	L29M	6.42 284	Pn	Pn	16 48 10.9 -1.3
HYT	Haines Junction	6.46 263	Pn	Pn	16 48 11.4 -1.5
P30M	Million Dollar	6.47 256	Pn	Pn	16 48 11.5 -1.5
P30M	Million Dollar	6.47 256	Sn	Sn	16 49 25.1 -1.9
PLBC	Pleasant Camp	6.52 250	Pn	Pn	16 48 12.2 -1.3
YUK5	Granite Creek	6.54 266	Pn	Pn	16 48 12.7 -1.3
YUK5	Granite Creek	6.54 266	Sn	Sn	16 49 27.5 -1.3
F31M	Tsigithectic	6.57 326	Pn	Pn	16 48 12.9 -1.2
F31M	Tsigithectic	6.57 326	Sn	Sn	16 49 25.1 -4.0
M29M	Somme Creek	6.59 278	Pn	Pn	16 48 12.3 -2.2
EPYK	Eagle Plains	6.78 313	Pn	Pn	16 48 16.5 -0.7
KUKM	Kugluktuk,NWT	7.05 291	Pn	Pn	16 49 31.9 -3.3
YUK6	Outpost Mountain	6.83 265	Pn	Pn	16 48 16.7 -1.3
YUK4	Talbot Arm	6.85 269	Pn	Pn	16 48 16.0 -2.3
YUK7	Dusty Glacier	6.86 262	Pn	Pn	16 48 17.4 -1.0
G30M	tAoh Zraii Nji	6.96 318	Pn	Pn	16 48 18.0 -1.7
P29M	Wendy Craggy	7.05 254	Pn	Pn	16 48 19.5 -1.4
DAWY	Dawson	7.05 254	Pn	Pn	16 48 20.1 -1.9
WTMTA	White Mountain	7.09 156	Pn	Pn	16 48 19.5 -1.9
WTMTA	White Mountain	7.09 156	Sn	Sn	16 49 37.3 -4.8
C36M	Paulatuk	7.12 1 1	Pn	Pn	16 48 21.1 -0.6
C36M	Paulatuk	7.12 1 1	Sn	Sn	16 49 37.5 -5.2
O29M	Mount Kennedy	7.14 260	Pn	Pn	16 48 21.3 -0.9
WRAK	Wrangell Island	7.15 219	Pn	Pn	16 48 21.4 -0.8
INK	Inuvik	7.19 332	Pn	Pn	16 48 21.9 -0.8
INK	Inuvik	7.19 332	Sn	Sn	16 49 41.0 -3.3
INK	Inuvik	7.19 332	Sn	Sn	16 49 41.0 -3.3
INK	Inuvik	7.19 332	LR	LR	16 51 35.0
INK	Inuvik	7.19 332	AML	AML	16 48 22.1 -0.5
INK	Inuvik	7.19 332	Sn	Sn	16 49 38.2 -6.1
F30M	Barrier River	7.24 323	Pn	Pn	16 48 22.0 -1.4
H29M	Whitestone	7.29 309	Pn	Pn	16 48 22.7 -1.4
YUK8	Steele Glacier	7.39 269	Pn	Pn	16 48 24.1 -1.6
G29M	Pine Creek	7.51 314	Pn	Pn	16 48 25.4 -0.7
I28M	Miner Creek	7.60 302	Pn	Pn	16 48 27.5 -1.2
YUK3	Moose Creek	7.61 274	Pn	Pn	16 48 27.5 -1.2
SIT	Sitka	7.63 322	Pn	Pn	16 48 28.1 -0.6
BVCY	Beaver Creek	7.70 278	Pn	Pn	16 48 28.1 -1.6
O28M	Mount Upton	7.73 266	Pn	Pn	16 48 29.6 -0.8
YUK2	Peninsula	7.75 257	Pn	Pn	16 48 30.9 -1.7
YUK2	White River	7.79 274	Pn	Pn	16 48 29.8 -2.1
FSJB	Fort St James	7.82 180	Pn	Pn	16 48 29.8 -1.7
STPRA	Salt Prairie L.	7.93 143	Pn	Pn	16 48 32.6 -0.4
STPRA	Salt Prairie L.	7.93 143	Sn	Sn	16 49 57.1 -5.7
BDMTA	Bald Mountain	7.98 157	Pn	Pn	16 48 31.6 -2.1
BDMTA	Bald Mountain	7.98 157	Sn	Sn	16 49 30.1 -6.0
CRAJ	Craig	8.19 213	Pn	Pn	16 48 36.1 -0.3
E29M	Blow River	8.36 328	Pn	Pn	16 48 36.9 -1.8
E29M	Blow River	8.36 328	Sn	Sn	16 50 08.2 -4.9
SWHSA	Sweathouse Loo	8.37 148	Pn	Pn	16 48 37.5 -1.4
F29M	Old Chena	8.49 316	Pn	Pn	16 48 38.9 -1.7
E28M	Babbage River	8.96 322	Pn	Pn	16 48 35.5 -1.4
D27M	Malcolm River	9.76 323	Pn	Pn	16 48 56.5 -1.5
A36M	Sachs Harbour	9.78 358	Pn	Pn	16 48 57.8 -0.4
F26K	Sheenjek River	9.98 312	Pn	Pn	16 48 59.3 -1.7
BBB	Bella Bella	10.31 193	Pn	Pn	16 49 04.2 -1.2
BBB	Bella Bella	10.31 193	LR	LR	16 53 26.5
BBB	Bella Bella	10.31 193	LR	LR	16 53 26.5
BBB	Bella Bella	10.31 193	AML	AML	16 49 05.8 -1.9
ILAR	Eielson Array	10.37 294	Pn	Pn	16 49 05.4 -0.8
ILAR	Eielson Array	10.37 294	Lg	Lg	16 51 57.1
ILAR	Eielson Array	10.37 294	LR	LR	16 53 32.0
ILAR	Eielson Array	10.37 294	AML	AML	16 49 05.8 -1.9
F25K	Christian River	10.47 310	Pn	Pn	16 49 05.8 -1.9
PD	Edmonton	10.77 142	Pn	Pn	16 49 10.8 -1.1
LLL	Lillooet	11.76 172	Pn	Pn	16 49 25.1 -0.3
COLD	Coldfoot	12.06 306	Pn	Pn	16 49 28.6 -0.8
BLNK	Baker Lake	12.85 68	Pn	Pn	16 49 36.8 -3.3
PNTN	Penitence	13.23 166	Pn	Pn	16 49 43.9 -1.6
HSPGA	Hill Springs	14.22 150	Pn	Pn	16 49 56.5 -2.5
NEW	Newport	14.60 161	Pn	Pn	16 50 00.7 -3.4
NEW	Newport	14.60 161	Lg	Lg	16 54 11.2
NEW	Newport	14.60 161	LR	LR	16 56 33.9
NEW	Newport	14.60 161	AML	AML	16 50 29.3
KDAK	Kodiak Island	14.75 265	Pn	Pn	16 50 03.5 -4.5
KDAK	Kodiak Island	14.75 265	LR	LR	16 50 15.4 -0.4
MKRA	Milk River, Al	14.88 146	Pn	Pn	16 50 15.4 -0.4
O18K	Koktuh Hills	15.07 275	IAMB	IAMB	16 50 44.4
O18K	Koktuh Hills	15.07 275	Pn	Pn	16 50 14.5 -1.5
N18K	Kilae Creek	15.09 278	Pn	Pn	16 50 19.1
N18K	Kilae Creek	15.09 278	IAMB	IAMB	16 50 19.1
LTY	Liberty	15.18 170	Pn	Pn	16 50 12.3 +0.4
LTY	Liberty	15.18 170	IAMB	IAMB	16 50 19.9
FCC	Fort Churchill	15.21 90	Pn	Pn	16 50 09.0 -3.3
M17K	Holtna River	15.57 282	Pn	Pn	16 50 20.2 -1.1
M17K	Holtna River	15.57 282	IAMB	IAMB	16 50 25.1
K17K	Iditarod	15.61 287	P	P	16 50 21.5 -0.2
N17K	Nushagak Hills	15.74 278	P	P	16 50 23.1 -0.1
J17K	VABM Dome	15.80 290	P	P	16 50 23.8 -0.1
P17K	Kvichak River	15.91 273	P	P	16 50 24.8 -0.3
P17K	Kvichak River	15.91 273	IAMB	IAMB	16 51 08.8
RES	Resolute Bay	16.20 28	Pn	Pn	16 50 21.8 -3.2
RES	Resolute Bay	16.20 28	Sn	Sn	16 53 11.3 -1.3
RES	Resolute Bay	16.20 28	Lg	Lg	16 55 04.7
RES	Resolute Bay	16.20 28	LR	LR	16 56 49.2
RES	Resolute Bay	16.20 28	AML	AML	16 50 21.1 -3.8
RES	Resolute Bay	16.20 28	IAMB	IAMB	16 50 36.2
G05A	Wamic	17.14 173	IAMB	IAMB	16 50 43.6
H04D	Lebanon	17.79 176	IAMB	IAMB	16 50 45.3 +0.1
H04D	Lebanon	17.79 176	Pn	Pn	16 51 00.7
PLUC	Pearl Lake	17.87 160	Pn	Pn	16 50 45.5 -0.9
BUCK	Buck Mountain	18.11 177	Pn	Pn	16 50 50.1 +0.9
BUCK	Buck Mountain	18.11 177	IAMB	IAMB	16 50 55.3
GMCT	Greycliff	18.53 146	P	P	16 50 53.1 -1.2
YHL	Hebgen Lake	19.04 150	P	P	16 50 59.7 -0.3
YHL	Hebgen Lake	19.04 150	IAMB	IAMB	16 51 04.2
J04A	Umpqua Nations	19.10 175	IAMB	IAMB	16 51 06.3
RLMT	Red Lodge	19.25 146	P	P	16 51 02.4 +0.1
RLMT	Red Lodge	19.25 146	IAMB	IAMB	16 51 34.9

MFID	Camas Ranch	19.53 161	P	P	16 51 05.9 +0.7
HLID	Hailey	19.61 158	P	P	16 51 06.6 +0.4
ULM	Lac du Bonnet	19.65 115	P	P	16 51 05.9 -0.5
ULM	Lac du Bonnet	19.65 115	S	S	16 54 31.4 -1.7
ULM	Lac du Bonnet	19.65 115	P	P	16 51 06.4 0.0
K05A	Summer Lake	19.67 172	IAMB	IAMB	16 51 22.2
L04D	Klamath Falls	20.11 176	P	P	16 51 11.6 +0.1
L04D	Klamath Falls	20.11 176	IAMB	IAMB	16 51 16.6
MOD	Modoc Plateau	20.53 171	P	P	16 51 16.3 +0.2
YBH	Yreka Blue Hor	20.58 177	LR	LR	16 59 56.7
M02C	Callahan	20.92 177	IAMB	IAMB	16 51 38.9
EPL0	Experimental L	21.01 113	P	P	16 51 20.9 -0.2
EPL0	Experimental L	21.01 113	IAMB	IAMB	16 51 27.3
PDAR	Pinedale Array	21.39 149	P	P	16 51 25.6 +0.1
HVU	Hansel Valley	21.64 156	IAMB	IAMB	16 51 40.8
RSSD	Black Hills	21.68 137	P	P	16 51 29.1 +0.4
RSSD	Black Hills	21.68 137	IAMB	IAMB	16 51 30.5
HWUT	Hardware Ranch	22.05 154	P	P	16 51 32.7 +0.2
HWUT	Hardware Ranch	22.05 154	IAMB	IAMB	16 51 38.7
O02D	St. Diabolo Mer	22.13 177	IAMB	IAMB	16 51 42.5
SPUT	South Promonto	22.16 156	IAMB	IAMB	16 51 39.7
K22A	Casper	22.29 144	P	P	16 51 34.7 -0.3
K22A	Casper	22.29 144	IAMB	IAMB	16 51 40.3
TCUT	toone Canyon	22.55 154	IAMB	IAMB	16 51 47.4
PAHR	Pah Rah Rang	22.78 170	IAMB	IAMB	16 51 43.0
AKUT	Akutan	22.94 268	P	P	16 51 41.6 -0.1
DUG	Dugway, Toolee	23.17 157	P	P	16 51 44.2 -0.1
BSUT	Blindstream Ca	23.24 153	IAMB	IAMB	16 51 51.8
EYMN	Ely	23.28 113	IAMB	IAMB	16 51 46.1 +0.9
KVN	Kearsarge	23.55 168	IAMB	IAMB	16 52 13.7
WAKR	Walker	23.97 171	P	P	16 51 52.8 +0.5
NVAR	Mina Array Bea	24.14 168	P	P	16 51 55.0 +1.0
NVAR	Mina Array Bea	24.14 168	IAMB	IAMB	16 51 54.1 +0.2
P18A	Preston Univer	24.22 153	IAMB	IAMB	16 52 04.0
P17A	Butcher Ranch,	24.27 154	IAMB	IAMB	16 51 59.7
TMUT	Trail Mountain	24.34 155	IAMB	IAMB	16 52 08.9
TPH	Topnapp	24.60 166	IAMB	IAMB	16 51 56.3
PSUT	Pine Spring	24.61 160	IAMB	IAMB	16 52 02.7
Q16A	Castle Valley	24.72 155	IAMB	IAMB	16 52 03.7
MHC	Mount Hamilton	25.00 175	IAMB	IAMB	16 52 06.2
PRN	Pahroc Rang	25.53 163	IAMB	IAMB	16 52 10.4
PV22	Blue Mesa, Par	25.59 151	P	P	16 52 07.5 +0.4
PV22	Blue Mesa, Par	25.59 151	IAMB	IAMB	16 52 32.5
PV14	Lion Creek, Pa	25.69 151	P	P	16 52 08.3 +0.3
HMU	Henry Mountain	25.75 155	IAMB	IAMB	16 52 11.9
PV12	Saucer Basin,	25.80 151	IAMB	IAMB	16 52 43.8
TPNV	Topnapp Spring	25.83 165	IAMB	IAMB	16 52 47.6
PV15	Paradox Valley	25.85 151	IAMB	IAMB	16 52 26.0
PV03	Paradox Valley	25.92 151	IAMB	IAMB	16 52 43.1
PV12	Radium Mtn., P	25.94 151	IAMB	IAMB	16 52 14.6
PV01	Paradox Valley	26.02 151	IAMB	IAMB	16 52 19.3
QSM	Queen of Sheba	26.73 166	IAMB	IAMB	16 52 19.5
LRMC	Laurel Mtn Rad	27.12 168	IAMB	IAMB	16 52 25.2
BELS	Belle Mtn. Jos	28.77 166	IAMB	IAMB	16 52 40.2
ELS	Elsinore Mount	28.98 168	IAMB	IAMB	16 52 45.0
PFO	Pinyon Flats O	29.10 166	LR	LR	17 04 03.6
BC3	Big Chuckawall	29.18 165	IAMB	IAMB	16 52 45.2
ANMO	Albuquerque	29.56 149	IAMB	IAMB	16 52 49.1
ANMO	Albuquerque	29.56 149	IAMB	IAMB	16 52 48.4
SCHO	Schefferville	29.96 78	LR	LR	17 05 13.8
SFJD	Kangarussaq	30.20 49	LR	LR	17 05 11.6
S39A	Bolivar	31.10 128	P	P	16 52 56.2 +0.3
S39A</					





18d 18h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, ISC. Includes stations like MARNC Mare, Loyalty and YATNC Mamie plateau.

TAP 18 18:04:16.7, 22:60N, 120:04E, h27km, ML3.6, C
ISC 18 18:04:17.1, 22:60N, 120:03E, h29km, 0.03, h29km, 7km,

Main table of station data for the 18d 18h period, listing station names, coordinates, and various parameters.

2020 OCT

Table of station data for the 2020 OCT period, including stations like WNT Yu-li and YULB Yu-li.

TEH 18 18:05:13.4, 34:81N, 45:28E, h8km, 37km, ML3.6, Presumed earthquake, Iran-Iraq border region

Table of station data for the TEH event, listing stations like IDHR Dehrash and IHRH Irupang Tak.

BKK 18 18:19:46.0, 6:15N, 95:5E, h10km, M3.4/12, mb3.4/6, Mjma3.3/12, MLV3.5/10, Near south coast of Myanmar

Table of station data for the BKK event, listing stations like KHLT Khaolaem Dam and MHMT Maesarieng.

TAP 18 18:22:18.5, 22:60N, 120:03E, h27km, ML3.7, C
ISC 18 18:22:19.1, 22:60N, 120:03E, h30km, 0.03, h30km, 7km,

n127, r1501/229, 6C, Taiwan

Main table of station data for the 18d 18h period, listing station names, coordinates, and various parameters.

914

Main table of station data for the 914 period, listing station names, coordinates, and various parameters.



Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like Fushanzhiwuyua, Neicheng, Dongshang, Shuangxi, Jialiang.

IDC 18 18:27:53.0-0.7, 35.11N-136.78E, h0km, mb3.4/9, mbmp3.5/15, ML3.4/6, MS3.1/7, Error ellipse: s-maj=12.4km s-min=11.7km az=177.0

NIED 18 18:27:59.1, 35.21N-136.63E, h42km, MW4.0, Moment Tensor Solution: s3 Moment tensor: Scale 10^15 Nm; Mn=0.20; Mw=0.87; Ms=0.67; Ml=0.34; Mb=0.62; Mr=0.39; Fault plane solution: Mw1.13000x10^15 NP1: o=209.00000, s=64.00000, l=14.00000

JMA 18 18:27:59.1, 0.0, 35.21N-136.63E, 0.1, h42km, MD4.1/40, MW4.3/40, SHIGA GITU BORDER REGION

JMA FcH J11 at SHIGA GITU BORDER REGION

ISC 18 18:27:56.0, 0.5, 35.21N-136.63E, 0.02, h16km, n50, s=23147, mb3.5/10, MS3.2/6, 9D, Western Honshu

Main table of station data for the 915 section, listing station names, coordinates, and various parameters.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like NVAR, PDAR, TXAR.

IDC 18 18:38:55.1, 1.9, 13.80S-72.64W, h73km, 16km, mb3.4/4, mbmp3.8/8, MS3.3/1, Error ellipse: s-maj=46.0km s-min=13.3km az=26.0

ISC 18 18:38:53.8-0.8, 13.75S-72.75W, 0.1, h50km, n17, s=18517, mb3.6/3, Central Peru

Main table of station data for the 2020 OCT section, listing station names, coordinates, and various parameters.

ECX 18 19:04:14.5-0.7, 32.38N-115.27W, h9km, 1km, MD3.3, s=13.5

MEX 18 19:04:15.0-0.6, 32.50N-115.15W, h12km, 3km, MD4.1, Presumed earthquake

NEIC 18 19:04:16.0-1.8, 32.405N-115.29W, 0.02, h10km, 2km, ML3.1/4, ML3.2/19(PAS), Error ellipse: s-maj=3.0km s-min=2.5km az=127.0

ISC 18 19:04:15.7-0.8, 32.39N-115.28W, 0.02, h18km, 4km, n83, s=095/110, 6C-8D, California-Baja California border region

Main table of station data for the 2020 OCT section, listing station names, coordinates, and various parameters.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like SLVP, San Joaquin, Elmore Ranch, etc.

IDC 19 04:31.0-1.1, 19 04:42.8-0.0, 19 04:29.8-2.5, 19 04:32.0-4.0, 19 04:45.7+0.8, 19 04:32.7-1.2, 19 04:35.8-1.2, 19 04:42.8-1.0, 19 04:46.6+1.1, 19 04:33.9-2.2, 19 04:50.4+1.1, 19 04:34.0-0.9, 19 04:36.1-0.7, 19 04:53.4

Main table of station data for the 18d 19h section, listing station names, coordinates, and various parameters.

18d 20h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BELG Belogoroye, MLR Muntele Rosu, AKTO Aktyubinsk, etc.

IDC 18 19:54:20.9;1.7,2.66N;125.53E,h0km,mb3.6/5, mbmp3.6/5, Error ellipse: s-maj=115.0km s-min=23.5km az=67.0

DJA 18 19:54:43.6;2.2,2.15N;12.5E,h142km,27km,M3.5/7, MLV3.5/7

ISC 18 19:54:52.3;4.0,9N;0.4,125.8E,0.1,h150km,n7, r131/6,mb3.5/4,Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TNTI Ternate, LUWI Luwuk, FITZ Fitzroy Crossi, etc.

ATH 18 20:04:57.3;35.59N;26.27E,h18km,3km,ML2.4/8, Latitude uncertainty: 1 km; Longitude uncertainty: 1 km

ISK 18 20:05:11.2;23.75N;142.83E,h13km,ML2.5/9

ISC 18 20:04:57.7;0.9,35.51N;0.05,26.30E,0.03,h32km,n11km, n28,r149/37,Crete

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SIT2 Siteia, STIA Sitia Lasithi, ZKR Zakros, etc.

IDC 18 20:05:14.9;0.8,33.08N;73.68E,h0km,mb3.7/15, mbmp3.8/18,ML3.8/3, Error ellipse: s-maj=17.8km s-min=14.1km az=65.0

NDI 18 20:05:19.4;3.4,32.99N;73.60E,h10km,ML3.8,MW3.4,

2020 OCT

Presumed earthquake NNC 18 20:05:21.2;7.9,33.51N;73.50E,h0km,mb4.2, Error ellipse: s-maj=96.7km s-min=65.4km az=19.0

ISC 18 20:05:16.8;1.7,33.02N;0.05,73.52E,0.05,h13km,10km, n38,rz15/49,mb3.7/12,2C-3D,Pakistan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JMMU Jammu, SRNI Srinagar, THN Thein Dam, etc.

IDC 18 20:09:27.4;0.7,29.06N;139.89E,h421km,13km, mb3.2/13,mbmp3.9/17, Error ellipse: s-maj=40.0km s-min=10.6km az=74.0

JMA 18 20:09:28.5;0.1,29.09N;0.9;14.0E,h437km,MV3.6/32, NEAR TORISHIMA IS

ISC 18 20:09:27.0;7.29,00N;0.07,139.9E,0.1,h424km,n28,r170/35,mb3.5/13,Southeast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BSO1 Boso 1, BSO3 Boso 3, BSO4 Boso 4, etc.

IDC 18 20:20:24.9;1.6,5.21S;146.35E,h0km,mb4.2/4, mbmp4.4/8,ML4.4/3, Error ellipse: s-maj=30.9km s-min=15.2km az=148.0

NEIC 18 20:20:36.2;2.7,5.71S;146.6E,0.1,h109km,10km, mb4.5/23, Error ellipse: s-maj=22.0km s-min=12.7km az=74.0

ISC 18 20:37:1.0;7.570S;0.07,146.56E,0.08,h123km,n35,rz201/37,mb4.4/10,Eastern New Guinea region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PMG Port Moresby, PMG Port Moresby, KRVT Karavat, etc.

IDC 18 20:28:10.5;2.5,7.60S;128.73E,h121km,28km,mb3.5/7, mbmp4.0/11,MS2.7/2, Error ellipse: s-maj=42.5km s-min=15.2km az=90.0

ISC 18 20:28:08.9;0.7,7.68S;128.7E,0.1,h100km,n12,r187/14,mb3.8/7,Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SJIJ Sorong.





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GRG, ERK, AGG, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HERR, AOR, VRR, etc.

AUST 18:21:47:15.7-1.3, 40.5S, 139.3E, h10km, 10km, ML3.1/6, ML2.7/6, MLV3.3/6, Error ellipse: s-maj=13.8km s-min=4.6km az=64.4, confirmed, Bass Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AUBRN, GERS, GEXS, etc.

IDC 18:21:47:16.5-1.3, 62.28S, 57.83W, h0km, mb4.0/5, mbtmp4.0/5, MS3.5/18, Error ellipse: s-maj=60.2km s-min=21.4km az=74.0

NEIC 18:21:47:18.4-1.4, 62.38S, 0.08:58.6W, 0.2, h10km, n42, mb4.6/14, Error ellipse: s-maj=17.2km s-min=11.4km az=296.0

ISC 18:21:47:17.9-0.6, 62.36S, 0.08:58.6W, 0.1, h10km, n42, s1902/29, mb4.4/12, MS3.5/17, 1C, South Shetland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PMSA, MGC3, EFI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TROLL, TRQA, QSPA, etc.

JMA 18:22:05:11.2-0.2, 43.8N, 0.7:14.5E, h177km, 1km, MV2.7/35, NEAR KUNASHIRI ISLAND

SKHL 18:22:05:12.0-0.0, 43.60N, 145:70E, h123km, 1km, mb4.3/4, s-maj=51.0

ISC 18:22:05:12.6-1.9, 43.78N, 0.06:145.38E, 0.05, h12km, n17, 0584/27, Hokkaido region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JRA, JNSB, JYUK, etc.

IDC 18:22:41:03.5-1.0, 0.13S, 130.10E, h0km, mb3.4/6, mbtmp3.4/6, Error ellipse: s-maj=41.8km s-min=15.7km az=110.0

DJA 18:22:41:06.7-0.8, 0.5S, 130.10E, h22km, 7km, M3.6/10, MLV3.6/10

ISC 18:22:41:08.9-0.9, 0.15:0.2, 130.2E, 0.1, h41km, n10, s098/12, mb3.6/5, Irian Jaya region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SIJI, SJIJ, TINTI, etc.

BVAR Borovoye Array 72.40 327 P P 22 52 31.3 +0.5

KRNET 18 22:43:34.1-0.1, 42.42N-78.71E, h21km, mb2.7

NNC 18 22:43:35.0-0.0, 42.53N-78.70E, h0km, 4km, mb3.4

mpv3.2, Error ellipse: s-maj=6.2km s-min=2.4km az=167.0

SOME 18 22:43:35.0, 42.47N-78.65E, h20km

ISC 18 22:43:37.1-1.4, 42.42N-0.04-78.76E, 0.03, h3km, 10km,

n46, e159/82, 23C-10D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various seismic stations and their parameters.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Contains detailed seismic event data for stations like MK31, WK31, KK31, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Lists seismic stations and their parameters, including UGM, WJG, PCJ, etc.



Table with columns for station name, frequency, power, and coordinates. Includes stations like PanZhiHua, Hyderabad, Shillong, Guiyang, Chengdu, Warramunga Arr, etc.

Table with columns for station name, frequency, power, and coordinates. Includes stations like HongShan, Baotou, Beijing, Port Moresby, etc.

Table with columns for station name, frequency, power, and coordinates. Includes stations like Tian-Shan, Medeo, Cobar Meteorol, etc.



Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like Koelnbreinsper, Kasperke Hory, STAL, LESA, ABTA, etc.

BUC 18 22:59:34.8-0.1, 45.55N-26.93E, h21km, km1, m1.3/11, 26C-11D, Error ellipse: s-maj=1.6km s-min=1.1km az=25.0, Romania

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like BISRR, GRER, ODBI, SAHR, etc.

KRNET 18 23:06:15.8-0.1, 42.80N:77.73E, h19km, mb2.2 NNC 18 23:06:19.2-5.1, 43.95N:79.42E, h0km, mpv2.5, Error ellipse: s-maj=36.4km s-min=16.5km az=68.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like ANVS, PRZ, KDJ, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like UZB, TARG, ULHL, etc.

IDC 18 23:13:49.0:11.0, 33.92N:75.66E, h0km, mb4.0/2, mtimp3.8/5, ML3.0/3, Error ellipse: s-maj=200.1km s-min=59.9km az=147.0

ISC 18 23:14:05.1-0.9, 35.37N:0.067593E:0.09, h35km, n12, c186B/19, Eastern Kashmir

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like ALCI, TSSA, JMU, etc.

NNC 18 23:31:54.9:7.8, 37.84N:71.68E, h0km, mb4.0, mpv3.9, Error ellipse: s-maj=61.0km s-min=48.4km az=171.0

ISC 18 23:31:49.3:1.1, 37.25N:0.0871E:0.11, h35km, n15, c296/23,4, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like ALCI, TSSA, AAK, etc.

IDC 19 00:38:36.2:2.5, 24.15N:109.10W, h0km, mb3.7/4, mtimp3.6/8, ML3.5/4, MS3.2/6, Error ellipse: s-maj=42.4km s-min=12.7km az=158.0

MEX 19 00:38:40.7:0.3, 24.42N:109.24W, h5km, MD4.2, Presumed earthquake

ISC 19 00:38:39.3:1.3, 24.44N:0.110925W:0.09, h10km, n18, c218/15, mb3.8/4, MS3.2/5, Gulf of California

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like LPIG, WRA, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like LPIG, TSGI, TXAR, etc.

IDC 19 01:06:35.8:1.7, 0.97N:126.97E, h76km, 15km, mb3.9/15, mtimp4.2/18, MS3.0/9, Error ellipse: s-maj=20.9km s-min=9.0km az=78.0

DJA 19 01:06:36.9:0.5, 1.1N:3.7E, h34km, 11km, M4.7/24, mb5.2/13, mb4.8/20, ML v.6/24, Mw(m)B4.7/13

NEIC 19 01:06:36.7:1.5, 1.03N:0.09126:90E:0.04, h73km, 6km, mb4.6/53, Error ellipse: s-maj=12.7km s-min=6.6km az=182.0

ISC 19 01:06:36.1:0.4, 1.08N:0.04126:83E:0.05, h72km, n113, c194B/17, mb4.6/39, Northern Molucca Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like TNTI, GAMI, KMSI, etc.















Table with columns: Station Name, Time, Res, ISC, Op, Phase ID, H, M, S, ISC. Includes stations like Hinchinbrook I, Melozitna Rive, RND Reindeer, etc.

ISC 19 04:48:07.9, 6.205N, 146.01E, h164km, 82km, mb3.5/7, mdtmp3.9/8, MS3.0/1, Error ellipse: s-maj=121.0km

ISC 19 04:48:07.0, 2.9, 20.0N, 02.146E, 0.8, h150km, n9, -0.35/8, mb3.9/7, Mariana Islands region

Table with columns: Code, Station Name, Time, Res, ISC, Op, Phase ID, H, M, S, ISC. Includes stations like MJAR Matsushiro Arr, KSRS Korea Arr, WRA Warramunga Arr, etc.

ASRS 19 05:28:39.5, 0.3, 49.1N, 2.8, 6E, h10km, MLh3.6/13, Error ellipse: s-maj=4.8km s-min=3.1km az=136.5, confirmed

ISC 19 05:28:40.4, 1.0, 49.08N, 0.04, 85.61E, 0.04, h10km, n19, -0.29/13, 6C-4D, Eastern Kazakhstan

Table with columns: Code, Station Name, Time, Res, ISC, Op, Phase ID, H, M, S, ISC. Includes stations like TUNR Tungur, DGZ Jazzator, CHBI Chibit, etc.

1.9nm, 0.5s PDGK 1Lg Lg 05 32 34.6
IGIL 19 05:44:07.6, 36.66N, 9.71W, h18km, ML1.4
CNRM 19 05:44:07.2, 36.50N, 9.33W, h30km, ML2.8
SFS 19 05:44:08.9, 36.77N, 9.78W, h25km, ML3.9/14, ML2.5/14, ML3.5/17

INMG 19 05:44:08.7, 1.0, 36.70N, 9.71W, h16km, 4km, ML1.6, Error ellipse: s-maj=4.7km s-min=3.5km az=48.0, DIST\_RANGE: LOCAL #IPMA\_REGION: SW Cabo S. Vicente

MDD 19 05:44:08.1, 4.1, 36.69N, 9.67W, h20km, 10km, mb\_Lg2.5/5, Error ellipse: s-maj=12.9km s-min=7.8km az=40.0

ISC 19 05:44:06.5, 2.6, 36.63N, 0.05, 9.76W, 0.08, h33km, 6km, n47, -0.132/63, West of Gibraltar

Table with columns: Code, Station Name, Time, Res, ISC, Op, Phase ID, H, M, S, ISC. Includes stations like Vila Bisbo, Marmetele, Sao Teotonio, Barranco-do-Ve, Castro Verde, Messejana, Minas do Sul, Vaqueiros, EI Granado, Beja, Montemor, Evora, Mafrá, Arraiolos, Barrancos, Mina Concepcio, Montargil, Estremoz, Badajoz, Espera, Sardoal, Marv??, Adamuz, Skhour des Reh, ECAB, ZHG, Oukaimeden, Midelt, Calabor, Ouz, Lorca, Murcia, etc.

TAP 19 06:06:26.8, 25.47N, 122.79E, h247km, MLS.0, D
ISC 19 06:06:27.8, 2.0, 25.49N, 122.70E, h249km, 21km, mb3.7/16, mbtmp4.4/21, Error ellipse: s-maj=14.8km

NEIC 19 06:06:27.7, 1.0, 25.40N, 0.07, 122.66E, 0.07, h241km, 6km, mb4.2/32, Error ellipse: s-maj=12.4km s-min=6.2km az=221.0

JMA 19 06:06:28.7, 0.3, 25.3N, 122.6E, 0.7, h233km, 3km, MW4.6/18, NW OFF ISHIGAKIJIMA IS

ISC 19 06:06:27.2, 0.5, 25.42N, 0.04, 122.71E, 0.03, h245km, 4km, n237, -0.117/342, mb4.1/30, Taiwan region

Table with columns: Code, Station Name, Time, Res, ISC, Op, Phase ID, H, M, S, ISC. Includes stations like PCYT Pengchayiu, TWB1 Santiao Chiao, SX1 Grass Mountain, SX11 National Taiwan, TNOU National Taiwan, etc.

Table with columns: Station Name, Time, Res, ISC, Op, Phase ID, H, M, S, ISC. Includes stations like Wu-fen Shan, Shuangxi, Yonagunijimaku, Yonaguni jima, Chenhua, YM08, YM01, Zhuzihu, E032, E033, E034, E035, E036, E037, E038, E039, E040, E041, E042, E043, E044, E045, E046, E047, E048, E049, E050, E051, E052, E053, E054, E055, E056, E057, E058, E059, E060, E061, E062, E063, E064, E065, E066, E067, E068, E069, E070, E071, E072, E073, E074, E075, E076, E077, E078, E079, E080, E081, E082, E083, E084, E085, E086, E087, E088, E089, E090, E091, E092, E093, E094, E095, E096, E097, E098, E099, E100, E101, E102, E103, E104, E105, E106, E107, E108, E109, E110, E111, E112, E113, E114, E115, E116, E117, E118, E119, E120, E121, E122, E123, E124, E125, E126, E127, E128, E129, E130, E131, E132, E133, E134, E135, E136, E137, E138, E139, E140, E141, E142, E143, E144, E145, E146, E147, E148, E149, E150, E151, E152, E153, E154, E155, E156, E157, E158, E159, E160, E161, E162, E163, E164, E165, E166, E167, E168, E169, E170, E171, E172, E173, E174, E175, E176, E177, E178, E179, E180, 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E1582, E1583, E1584, E1585, E1586, E1587, E1588, E1589, E1590, E1591, E1592, E1593, E1594, E1595, E1596, E1597, E1598, E1599, E1600, E1601, E1602, E1603, E1604, E1605, E1606, E1607, E1608, E1609, E1610, E1611, E1612, E1613, E1614, E1615, E1616, E1617, E1618, E1619, E1620, E1621, E1622, E1623, E1624, E1625, E1626, E1627, E1628, E1629, E1630, E1631, E1632, E1633, E1634, E1635, E1636, E1637, E1638, E1639, E1640, E1641, E1642, E1643, E1644, E1645, E1646, E1647, E1648, E1649, E1650, E1651, E1652, E1653, E1654, E1655, E1656, E1657, E1658, E1659, E1660, E1661, E1662, E1663, E1664, E1665, E1666, E1667, E1668, E1669, E1670, E1671, E1672, E1673, E1674, E1675, E1676, E1677, E1678, E1679, E1680, E1681, E1682, E1683, E1684, E1685, E1686, E1687, E1688, E1689, E1690, E1691, E1692, E1693, E1694, E1695, E1696, E1697, E1698, E1699, E1700, E1701, E1702, E1703, E1704, E1705, E1706, E1707, E1708, E1709, E1710, E1711, E1712, E1713, E1714, E1715, E1716, E1717, E1718, E1719, E1720, E1721, E1722, E1723, E1724, E1725, E1726, E1727, E1728, E1729, E1730, E1731, E1732, E1733, E1734, E1735, E1736, E1737, E1738, E1739, E1740, E1741, E1742, E1743, E1744, E1745, E1746, E1747, E1748, E1749, E1750, E1751, E1752, E1753, E1754, E1755, E1756, E1757, E1758, E1759, E1760, E1761, E1762, E1763, E1764, E1765, E1766, E1767, E1768, E1769, E1770, E1771, E1772, E1773, E1774, E1775, E1776, E1777, E1778, E1779, E1780, E1781, E1782, E1783, E1784, E1785, E1786, E1787, E1788, E1789, E1790, E1791, E1792, E1793, E1794, E1795, E1796, E1797, E1798, E1799, E1800, E1801, E1802, E1803, E1804, E1805, E1806, E1807, E1808, E1809, E1810, E1811, E1812, E1813, E1814, E1815, E1816, E1817, E1818, E1819, E1820, E1821, E1822, E1823, E1824, E1825, E1826, E1827, E1828, E1829, E1830, E1831, E1832, E1833, E1834, E1835, E1836, E1837, E1838, E1839, E1840, E1841, E1842, E1843, E1844, E1845, E1846, E1847, E1848, E1849, E1850, E1851, E1852, E1853, E1854, E1855, E1856, E1857, E1858, E1859, E1860, E1861, E1862, E1863, E1864, E1865, E1866, E1867, E1868, E1869, E1870, E1871, E1872, E1873, E1874, E1875, E1876, E1877, E1878, E1879, E1880, E1881, E1882, E1883, E1884, E1885, E1886, E1887, E1888,



19d 6h

Table of seismic events for 19d 6h, listing station names, times, magnitudes, and locations. Includes stations like Holmes Hill, Horse Mountain, Hebgan Lake, etc.

2020 OCT

Table of seismic events for 2020 OCT, listing station names, times, magnitudes, and locations. Includes stations like Indian Mountain, Rapa Nui, Shalerruckin, etc.

932

Table of seismic events for 932, listing station names, times, magnitudes, and locations. Includes stations like MORH Mrjy, Hungary, Kijevo, Dugi Otok, etc.



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Tinogasta, Fray Jorge, IPOC Station P, etc.

TEH 19 06:51:25.4, 39°06'N, 44°24'E, h9km, 56km, ML2.9, Presumed earthquake
AFAD 19 06:51:26.3, 38°36'N, 44°31'E, h6km, 2km, ML2.5
ISK 19 06:51:28.1, 38°39'N, 44°26'E, h19km, ML2.7
AZER 19 06:51:28.4, 38°39'N, 44°43'E, h9km, ml2.7
ISC 19 06:51:27.0, 1.0, 38.99N, 0.03, 44.26E, 0.02, h11km, gkm, n30, c1816/48, Turkey-Iran border region

Main table for 933 section, listing station codes, names, and seismic data. Includes stations like OZAP, VMUR, DYDN, VANB, etc.

IDC 19 07:03:41.1, 5.5, 15°49'S, 173°28'W, h0km, mb3.6/3, mbtmp3.5/4, ML3.4/1, MS2.9/1, Error ellipse: s-maj=265.8km s-min=17.2km az=142.0, Tonga Islands

Table for IDC 19 07:03:41, listing station codes and seismic data. Includes stations like AFI, RAR, WRA, ASAR, ILAR, BRTR, etc.

IDC 19 07:06:44.8, 8.9, 36°74'N, 72°12'E, h12km, 50km, mb3.6/8, mbtmp4.1/13, Error ellipse: s-maj=93.1km s-min=27.4km az=169.0
NEIC 19 07:06:49.7, 1.8, 37°27'N, 0°05', 71°95'E, 0.07, h148km, 7km, mb4.2/13, Error ellipse: s-maj=8.3km s-min=7.9km

Main table for 2020 OCT section, listing station codes, names, and seismic data. Includes stations like Karamyk, Batken, Kashi, etc.

Table for 19d 7h section, listing station codes and seismic data. Includes stations like FINES, ARCES, HFS, NC602, etc.

IDC 19 07:11:23.6, 2.2, 0°66'S, 130°06'E, h0km, mb3.3/2, mbtmp3.4/3, ML3.7/1, MS3.4/1, Error ellipse: s-maj=131.3km s-min=25.5km az=70.0, Irian Jaya region

IDC 19 07:15:31.5, 0.9, 9°30'S, 121°77'E, h0km, mb4.0/5, mbtmp3.7/8, ML3.5/3, Error ellipse: s-maj=62.5km s-min=16.5km az=65.0
ISC 19 07:15:32.4, 1.0, 9.25S, 122°32'E, 0.3, h10km, n8, c0888/8, mb4.0/5, Savu Sea

Table for IDC 19 07:15:31, listing station codes and seismic data. Includes stations like FITZ, WRA, ASAR, etc.

BJI 19 07:31:26.8, 3°68'S, 100°49'E, h28km, mb5.9/72, mb5.7/89, Ms6.2/97, Ms7.0/93
IDC 19 07:31:28.1, 0.3, 3°23'S, 100°46'E, h0km, mb5.3/46, mbtmp5.3/48, ML5.2/2, MS5.6/1, Error ellipse: s-maj=12.0km s-min=7.7km az=51.0
IPGP 19 07:31:28.0, 3°37'S, 100°27'E, h27km, Mw6.0, Fault plane solution: NP1: 354.00000°, 81.700000°, 129.000000°; NP2: 133.00000°, 877.000000°, 79.000000°
NEIC 19 07:31:29.3, 36S, 100°27'E, h10km
MOS 19 07:31:30.2, 1.0, 3°18'S, 100°52'E, h26km, mb5.9/88, MS5.5/31, Error ellipse: s-maj=7.4km s-min=3.8km az=111.5

ISC-PP 19 07:31:30.3, 3°37'S, 100°27'E, h22km, 4km, Mwpp6.5, Moment Tensor Solution: 851 Moment tensor: Scale 1017Nm; Mw0.07z: 12; Mw0.08z: 28; Mw0.15z: 18; Mw0.17z: 16; Mw0.23z: 17; Mw0.09z: 24; Fault plane solution: Ms5.89000x10^18 NP1: 354.00000°, 875.300000°, 121.200000°; NP2: 136.100000°, 859.000000°, -17.200000°
NEIC 19 07:31:30.6, 1.3, 3°37'S, 100°27'E, h20km, mb5.1km, Mw5.7/85, Ms5.9/647, Mw5.8/163, Mw5.6/29 Error ellipse: s-maj=10.5km s-min=8.2km az=228.0, Moment Tensor Solution: Moment tensor: Scale 1017Nm; Mw3.99; Mw0.31; Mw0.67; Mw3.28; Mw2.91; Mw1.88; Fault plane solution: Ms6.03000x10^17 NP1: 353.200000°, 825.360000°, 195.250000°; NP2: 120.400000°, 864.750000°, 187.520000°; Principal axes: T: 5.3453, Plg7.00000°, Azm25.00000°; N: 1.1946, Plg2.00000°, Azm121.00000°; P: -6.5399, Plg20.00000°, Azm212.00000°
NEIC 19 07:31:30.6, 3°36'S, 100°28'E, h20km
DJA 19 07:31:32.0, 3°3'31.1x10°0'E, h26km, 3km, Ms5.7/89, Mw6.1/155, mb5.7/189, MLV.6/167, Mw5.6/248, Mw(m)5.7/155, MwMwp5.6/155, Mw5.7/155
PTWC 19 07:31:32.3, 4.0S, 100°20'E, h86km, Mw5.9/9
GCMT 19 07:31:33.0, 0.1, 3°55'S, 0°10', 17E, 0.01, h24km, Mw8.8/144, Moment Tensor Solution: s144, c290, s140, c284; Duration: 189 Moment tensor: Scale 1017 Nm; Mw3.76z: 06; Mw0.24z: 04; Mw0.13z: 05; Mw3.76z: 10; Mw0.18z: 03; Mw0.33z: 10; Best double couple: Ms6.31200x10^17 NP1: 302.00000°, 193.000000°, 182.000000°; NP2: 101.000000°, 872.000000°, 89.000000°; Principal axes: T: 6.2860, Plg63.00000°, Azm45.00000°; N: 0.0520, Plg3.00000°, Azm310.00000°; P: -6.3380, Plg27.00000°, Azm219.00000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function
GFZ 19 07:31:33.5, 3.25S, 100°49'E, h28km, Mw5.7/177, Moment Tensor Solution: Moment tensor: Scale 1017Nm; Mw3.24; Mw0.17z: 15; Mw0.14z: 19; Mw0.23z: 16; Mw0.94; Fault plane solution: Ms3.80524x10^17 NP1: 124.91959°, 838.12189°, 177.22402°; NP2: 124.99838°, 852.98296°, 199.84402°; Principal axes: T: 3.4184, Plg79.1112°, Azm270.7906°; N: 0.6816, Plg7.8464°, Azm135.0340°; P: -4.1000, Plg7.5022°, Azm43.9941°
GFZ 19 07:31:33.5, 0.2, 3°S, 2°10'E, h29km, 1km, Ms5.6/127, mb5.5/127, Mb0.63, Mw(m)5.6/83, MwMwp5.6/74,

Table for 19d 7h section, listing station codes and seismic data. Includes stations like WRA, ASAR, FITZ, etc.

Mwp5.8/74 Error ellipse: s-maj=4.8km s-min=3.5km az=36.5 confirmed
NEIC 19 07:31:37.1, 3.66S;99.88E, h18km, Moment Tensor
Solution. Duration: 3s2 Moment tensor: Scale 10^17Nm;

ISC 19 07:31:37.1, 3.32S;0.02;100.37E;0.03, h22km, 2km,
h22km;P-P, 1.602;1.63/1.409, mb5.6/360, MS5.9/440,
107C-21D, Southern Sumatra

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, ISC, h, s, ISC. Lists various seismic stations and their associated data.

Table with columns: Station Name, Az, Phase ID, Op, Time Res, ISC, h, s, ISC. Lists various seismic stations and their associated data.

Table with columns: Station Name, Az, Phase ID, Op, Time Res, ISC, h, s, ISC. Lists various seismic stations and their associated data.





Table with columns for station name, frequency, power, and other technical details. Includes stations like MAJO Matushiro, MJAR Matushiro Arr, MJAR Matushiro, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like KURK Kurchatov, KURK Kurchatov, KURK Kurchatov, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like KUR Kuril'sk, KUR Kuril'sk, KUR Kuril'sk, etc.

19d 7h

Table with columns for station name, frequency, power, and other technical details. Includes stations like KBZ Khabaz, MBAR Mbarara, SHAT Shidzhetmaz, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like MA2 Magadan, MA2 Magadan, MA2 Magadan, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like KARP Karpathos, MXZ Matakapa Point, GRTLK Ghanzi, etc.





19d 7h

Table with columns: LEIR, MOTA, GRA, GRF, SPAO, SPITS, SPITS, SPITS, GAMB, RETA, FETA, SALO, SALO, VBC, NIS, N201, FUORN, FUORN, NB2, NOA, NOA, CLZ, UBR, VNA2, VNA2, DAVOX, DAVA, KEST, KEST, KEST, VNA1, TUE, VNA3, VNA3, KONO, KONO, TNA, ECH, ECH, ECH, F15K, WLF, K13K, RDOG, M13K, G16K, F17K, N14K, J16K, NOR, NOR, H17K, D19K, G18K, G18K, G19K, K17K, H19K, O16K, J18K, J18K, M17K, E21K, P16K, L18K, L18K, D22K, TOAD, TORD, TORD, TORD, JMIC

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Table with columns: R16K, F21K, F21K, I20K, G21K, IMAR, P17K, N18K, DAG, J20K, J20K, L19K, K20K, H21K, O18K, L20K, N19K, C24K, TOLK, O19K, G23K, Q19K, BPAW, DBG, DBG, D25K, KTH, SII, SKT, I23K, TRF, G24K, NEA2, H24K, CUT, KDAD, SUA, HOM, C27K, COLA, WRH, RND, POKR, BRKL, R001, ILAR, ILAR, FYU, O22K, HDA, PRP, SEW, SML, G26K, D27M, PWL, J25K, J25K, SCM, K24K, SCO, E28M, PAX, I26K, P23K, SCRK, FID, H27K, HARP, HIN, DIV, I27K, E29M, EYAK, MENT, SHEL, L26K, K27K, B29M, G29M, M26K, L27K, KAIM, MCARA

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Table with columns: BERG, SUCK, CROM, G30M, TGL, A36M, WAX, GRNC, SUMG, MESA, I30M, LOGN, TULEG, TABL, AVE, K20E, MESJ, MESJ, L29M, J30M, H31M, M29M, M29M, M29M, PCA, LIS, O29M, C36M, N30M, N31M, P29M, M31M, N32M, BESE, P33M, R32K, S32K, Q32M, R33M, T35M, ASCN, YKA, YKA, SACV, HAWA, NEW, KHMM, KHMM, MSO, PLID, SCHO, EGMT, DLMT, BOZ, HLID, DGMT, NVAR, NVAR, ELK, RLMT, LAO, ULM, AHID, ISA, HWUT, BW06, PDAR, AGMN, LLO2, E28A, RSSD, K22A, F33A, HAYD, RCBR, D62A, E38A, GLA, E62A, SJMB, F64A, SPMN, ISCO

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Tacaratu-PE, Sault Ste Mari, Princeton, Mesa Verde, Rib Lake, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Gravette, Bidwell, Cox Millis, Monahans, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Universidad Ca, Piamonte, San Cristobal, etc.

Table with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Diego Garcia H, Cape Leeuwin H, Warramunga Arr, etc.

Table with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Sibulan, Jordan, Laz, Siquijor, San Jose, etc.

SCB 19 07:45:08.8; 1.4, 19.49S; 67.46W, h210km, 1.7km, ML3.4/2, Error ellipse: s-maj=6.8km s-min=3.9km az=1.0

Table with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Opoqueri, Chusmiza, Chusmiza, etc.

SOET ToroToro 2.14 51 P Pn 07 45 49.9 -0.1

Table with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like ToroToro, IPOC Station P, IPOC Station P, etc.



FAKI	Fak Fak	31.80	90	P	P	07 53 44.1	-1.4	QIS	Mount Isa	41.81	117	P	P	07 55 11.0	+0.3	STKA	Stevens Creek	47.95	131	P	P	07 55 59.5	+0.1
FAKI	Fak Fak	31.80	90	P	P	07 53 44.5	-1.0	QIS	Mount Isa	41.81	117	P	P	07 55 10.9	+0.3	STKA	Stevens Creek	47.95	131	P	P	07 55 59.5	+0.1
MTN	Mount Dam	31.81	109	P	P	07 53 45.6	+0.2	QIS	Mount Isa	41.81	117	P	P	07 55 11.0	+0.3	STKA	Stevens Creek	47.95	131	P	P	07 55 59.5	+0.1
KLBR	Kellerberrin	32.48	152	P	P	07 53 57.2	+6.0	DHRM	DHARAMSHALA	42.17	329	eP	IAMB	07 55 13.9	+0.3	KSAR	Wonju Array Be	47.97	30	P	P	07 55 59.3	0.0
KLBR	Kellerberrin	32.48	152	P	P	07 53 54.7	+3.5	DHRM	DHARAMSHALA	42.17	329	eP	IAMB	07 55 13.9	+0.3	KSAR	Wonju Array Be	47.97	30	P	P	07 55 59.3	0.0
KADU	Kakadu	33.04	108	P	P	07 53 54.5	-1.9	TIA	Tai'an	42.37	20	P	P	07 55 14.1	-0.8	KSRS	Korea Array	48.00	30	P	P	07 55 59.2	-0.3
KDU	Kakadu	33.04	108	P	P	07 53 53.1	-3.2	TIA	Tai'an	42.37	20	P	P	07 55 14.1	-0.8	KSRS	Korea Array	48.00	30	P	P	07 55 59.2	-0.3
NWAO	Narrogin (SRO)	33.36	154	P	P	07 54 03.3	+4.4	TIY	Taiyuan	42.38	14	eP	P	07 55 15.8	+0.8	KS19	KS19	48.01	30	P	IAMB	07 55 59.3	-0.4
NWAO	Narrogin (SRO)	33.36	154	P	P	07 54 00.2	+1.4	TIY	Taiyuan	42.38	14	eP	P	07 55 15.8	+0.8	KS19	KS19	48.01	30	P	IAMB	07 55 59.3	-0.4
NWAO	Narrogin (SRO)	33.36	154	P	P	07 54 00.2	+1.4	TIY	Taiyuan	42.38	14	eP	P	07 55 15.8	+0.8	KS19	KS19	48.01	30	P	IAMB	07 55 59.3	-0.4
SSLB	Suanguilung	33.61	36	P	P	07 53 59.9	-1.3	TIY	Taiyuan	42.38	14	eP	P	07 55 15.8	+0.8	KS19	KS19	48.01	30	P	IAMB	07 55 59.3	-0.4
SSLB	Suanguilung	33.61	36	P	P	07 54 26.1		TIY	Taiyuan	42.38	14	eP	P	07 55 15.8	+0.8	KS19	KS19	48.01	30	P	IAMB	07 55 59.3	-0.4
H01W3	Cape Leeuwin H	33.85	159	T	T	08 29 38.6		THN	Thein Dam	42.60	329	eP	P	07 55 17.4	+0.5	WUS	Wushi	48.39	339	P	P	07 56 03.6	+0.9
H01W2	Cape Leeuwin H	33.86	160	T	T	08 29 39.6		GTA2	Gaotai	42.65	359	P	P	07 55 17.4	+0.1	WSAR	Wadi Sarin	48.55	305	LR	LR	08 15 01.0	
H01W1	Cape Leeuwin H	33.86	159	T	T	08 29 39.7		GTA2	Gaotai	42.65	359	P	P	07 57 10.1	+0.9	JMN	Monobe	48.57	38	P	IAMB	07 56 04.3	+0.1
CD2	Chengdu	34.24	5	P	P	07 54 05.6	-1.0	GTA2	Gaotai	42.65	359	P	P	07 57 10.1	+0.9	JMN	Monobe	48.57	38	P	IAMB	07 56 04.3	+0.1
NACB	Ninganchiao	34.28	36	P	P	07 54 06.5	-0.5	GTA2	Gaotai	42.65	359	P	P	07 57 10.1	+0.9	JMN	Monobe	48.57	38	P	IAMB	07 56 04.3	+0.1
NACB	Ninganchiao	34.28	36	P	P	07 54 24.2		GTA2	Gaotai	42.65	359	P	P	07 57 10.1	+0.9	JMN	Monobe	48.57	38	P	IAMB	07 56 04.3	+0.1
ENH	Enshi	34.56	14	P	P	07 54 08.5	-0.9	HNS	HongShan	42.69	17	P	P	07 55 17.5	+0.1	XLT	XiLinHaoTe	49.12	15	eP	P	07 56 08.4	+0.2
ENH	Enshi	34.56	14	P	P	07 54 11.4		HNS	HongShan	42.69	17	P	P	07 55 17.5	+0.1	XLT	XiLinHaoTe	49.12	15	eP	P	07 56 08.4	+0.2
WHN	Wuhan	36.26	21	P	P	07 54 23.4	-0.5	HNS	HongShan	42.69	17	P	P	07 55 17.5	+0.1	ASAI	AK-SAY(Kyrgyzs	49.18	336	P	P	07 56 10.8	+1.8
WHN	Wuhan	36.26	21	P	P	07 54 23.4	-0.5	HNS	HongShan	42.69	17	P	P	07 55 17.5	+0.1	TARG	Taragay, Kyrgy	49.37	338	IAMB	IAMB	07 56 45.3	
WB0	Warramunga Arr	36.95	119	P	P	07 54 29.9	-0.1	HNS	HongShan	42.69	17	P	P	07 55 17.5	+0.1	TARG	Taragay, Kyrgy	49.37	338	IAMB	IAMB	07 56 45.3	
WB0	Warramunga Arr	36.95	119	P	P	07 54 57.1		HNS	HongShan	42.69	17	P	P	07 55 17.5	+0.1	TARG	Taragay, Kyrgy	49.37	338	IAMB	IAMB	07 56 45.3	
WR1	Warramunga Arr	36.97	119	P	P	07 54 30.3	+0.2	ALCI	Alchi Leh	43.32	332	eP	IAMB	07 55 23.9	+0.9	DMTO	DMTO	49.47	297	P	P	07 56 22.0	+1.1
WR1	Warramunga Arr	36.97	119	P	P	07 54 30.0	-0.1	ALCI	Alchi Leh	43.32	332	eP	IAMB	07 55 28.0		SNY	Shenyang	49.68	23	P	P	07 56 11.4	+1.0
WRA	Warramunga Arr	36.97	119	P	P	07 54 30.2	0.0	BBOO	Buckleboo	44.39	135	P	P	07 55 31.4	+0.1	SNY	Shenyang	49.68	23	P	P	08 03 27.1	+6.9
WRA	Warramunga Arr	36.97	119	P	P	07 54 30.2	0.0	BBOO	Buckleboo	44.39	135	P	P	07 55 32.9	+1.5	SNY	Shenyang	49.68	23	P	P	08 03 27.1	+6.9
WRA	Warramunga Arr	36.97	119	P	P	07 54 30.2	0.0	BBOO	Buckleboo	44.39	135	P	P	07 55 32.9	+1.5	SNY	Shenyang	49.68	23	P	P	08 03 27.1	+6.9
WRA	Warramunga Arr	36.97	119	P	P	07 54 30.0	-0.2	BBOO	Buckleboo	44.39	135	P	P	07 55 32.9	+1.5	SNY	Shenyang	49.68	23	P	P	08 03 27.1	+6.9
WRA	Warramunga Arr	36.97	119	P	P	07 54 29.7	-0.5	BBOO	Buckleboo	44.39	135	P	P	07 55 32.9	+1.5	SNY	Shenyang	49.68	23	P	P	08 03 27.1	+6.9
WRAB	Warramunga Arr	36.97	119	P	P	07 54 30.1	-0.1	BBOO	Buckleboo	44.39	135	P	P	07 55 32.9	+1.5	SNY	Shenyang	49.68	23	P	P	08 03 27.1	+6.9
WRAB	Warramunga Arr	36.97	119	P	P	07 54 47.4		BBOO	Buckleboo	44.39	135	P	P	07 55 32.9	+1.5	SNY	Shenyang	49.68	23	P	P	08 03 27.1	+6.9
WRAB	Warramunga Arr	36.97	119	P	P	07 54 30.1	-0.1	BBOO	Buckleboo	44.39	135	P	P	07 55 32.9	+1.5	SNY	Shenyang	49.68	23	P	P	08 03 27.1	+6.9
WRAB	Warramunga Arr	36.97	119	P	P	07 54 47.4		BBOO	Buckleboo	44.39	135	P	P	07 55 32.9	+1.5	SNY	Shenyang	49.68	23	P	P	08 03 27.1	+6.9
WRAB	Warramunga Arr	36.97	119	P	P	07 54 30.4	+0.2	BBOO	Buckleboo	44.39	135	P	P	07 55 32.9	+1.5	SNY	Shenyang	49.68	23	P	P	08 03 27.1	+6.9
WB2	Warramunga Arr	36.98	119	P	P	07 54 30.5	+0.2	BBOO	Buckleboo	44.39	135	P	P	07 55 32.9	+1.5	SNY	Shenyang	49.68	23	P	P	08 03 27.1	+6.9
WB2	Warramunga Arr	36.98	119	P	P	07 54 30.2	-0.1	BBOO	Buckleboo	44.39	135	P	P	07 55 32.9	+1.5	SNY	Shenyang	49.68	23	P	P	08 03 27.1	+6.9
WB2	Warramunga Arr	36.98	119	P	P	07 54 30.2	-0.1	BBOO	Buckleboo	44.39	135	P	P	07 55 32.9	+1.5	SNY	Shenyang	49.68	23	P	P	08 03 27.1	+6.9
WB1	Warramunga Arr	36.98	119	P	P	07 54 29.5	-0.4	BBOO	Buckleboo	44.39	135	P	P	07 55 32.9	+1.5	SNY	Shenyang	49.68	23	P	P	08 03 27.1	+6.9
WB1	Warramunga Arr	36.98	119	P	P	07 54 29.5	-0.4	BBOO	Buckleboo	44.39	135	P	P	07 55 32.9	+1.5	SNY	Shenyang	49.68	23	P	P	08 03 27.1	+6.9
WR0	Warramunga Arr	37.15	119	P	P	07 54 32.0	+0.3	BBOO	Buckleboo	44.39	135	P	P	07 55 32.9	+1.5	SNY	Shenyang	49.68	23	P	P	08 03 27.1	+6.9
FOR1	Forrest	37.74	139	P	P	07 54 39.8	+3.2	BBOO	Buckleboo	44.39	135	P	P	07 55 32.9	+1.5	SNY	Shenyang	49.68	23	P	P	08 03 27.1	+6.9
FOR1	Forrest	37.74	139	P	P	07 54 36.5	0.0	BBOO	Buckleboo	44.39	135	P	P	07 55 32.9	+1.5	SNY	Shenyang	49.68	23	P	P	08 03 27.1	+6.9
FOR1	Forrest	37.74	139	P	P	07 54 49.2		BBOO	Buckleboo	44.39	135	P	P	07 55 32.9	+1.5	SNY	Shenyang	49.68	23	P	P	08 03 27.1	+6.9
LGTI	Lohaghat	37.96	330	eP	P	07 54 39.5	+0.9	JSU	Suzuyama	44.95	37	P	IAMB	07 55 35.1	-0.7	SHLS	Shalkode	50.02	340	P	P	07 56 15.6	+0.4
PTH	Pithoragarh	38.06	331	eP	P	07 54 40.5	+1.1	JSU	Suzuyama	44.95	37	P	IAMB	07 55 35.1	-0.7	SHLS	Shalkode	50.02	340	P	P	07 56 15.6	+0.4
PTH	Pithoragarh	38.06	331	eP	P	07 54 47.3		JSU	Suzuyama	44.95	37	P	IAMB	07 55 35.1	-0.7	SHLS	Shalkode	50.02	340	P	P	07 56 15.6	+0.4
XAN	Xi'an	38.07	12	P	P	07 54 38.4	-0.9	HHC	Hu-ho-hao-te	45.18	12	eP	P	07 55 38.5	+1.0	SHLS	Shalkode	50.02	340	P	P	07 56 15.6	+0.4
XAN	Xi'an	38.07	12	P	P	08 00 30.1	-1.0	HHC	Hu-ho-hao-te	45.18	12	eP	P	07 55 38.5	+1.0	SHLS	Shalkode	50.02	340	P	P	07 56 15.6	+0.4
XAN	Xi'an	38.07	12	P	P	08 00 30.1	-1.0	HHC	Hu-ho-hao-te	45.18	12	eP	P	07 55 38.5	+1.0	SHLS	Shalkode	50.02	340	P	P	07 56 15.6	+0.4
XAN	Xi'an	38.07	12	P	P	07 54 38.4	-0.9	HHC	Hu-ho-hao-te	45.18	12	eP	P	07 55 38.5	+1.0	SHLS	Shalkode	50.02	340	P	P	07 56 15.6	+0.4
XAN	Xi'an	38.07	12	P	P	08 00 30.1	-1.0	HHC	Hu-ho-hao-te	45.18	12	eP	P	07 55 38.5	+1.0	SHLS	Shalkode	50.02	340	P	P	07 56 15.6	+0.4
XAN	Xi'an	38.07	12	P	P	08 00 30.1	-1.0	HHC	Hu-ho-hao-te	45.18	12	eP	P	07 55 38.5	+1.0	SHLS	Shalkode	50.02	340	P	P	07 56 15.6	+0.4
XAN	Xi'an	38.07	12	P	P	07 54 38.4	-0.9	HHC	Hu-ho-hao-te	45.18	12	eP	P	07 55 38.5	+1.0	SHLS	Shalkode	50.02	340	P	P	07 56 15.6	+0.4
XAN	Xi'an	38.07	12	P	P	08 00 30.1	-1.0	HHC	Hu-ho-hao-te	45.18	12	eP	P	07 55 38.5	+1.0	SHLS	Shalkode	50.02	340	P	P	07 56 15.6	+0.4
XAN	Xi'an	38.07	12	P	P	08 00 30.1	-1.0	HHC	Hu-ho-hao-te	45.18	12	eP	P	07 55 38.5	+1.0	SHLS	Shalkode	50.02	340	P	P	07 56 15.6	+0.4
XAN	Xi'an	38.07	12	P	P	07 54 38.4	-0.9	HHC	Hu-ho-hao-te	45.18	12	eP	P	07 55 38.5	+1.0	SHLS	Shalkode	50.02	340	P	P	07 56 15.6	+0.4
XAN	Xi'an	38.07	12	P	P	08 00 30.1	-1.0	HHC	Hu-ho-hao-te	45.18	12	eP	P	07 55 38.5	+1.0	SHLS	Shalkode	50.02	340	P	P	07 56 15.6	+0.4
XAN	Xi'an	38.07	12	P	P	08 00 30.1	-1.0	HHC	Hu-ho-hao-te	45.18	12	eP	P	07 55 38.5	+1.0	SHLS	Shalkode	50.02	340	P	P	07 56 15.6	+0.4
XAN	Xi'an	38.07	12	P	P	07 54 38.4	-0.9	HHC															







19d 8h

comp=Z:1.5nm,0.9s,baz=330,slow=2.1,SNR=5.1
OTAV Otavalo 176.68 200 eP PKPdf 08 07 28.1 -4.4

ISC 19 07:51:14.9:1.1,49:15N:0.05:18:36E:0.05,h10km,n5,
e#131/9,Czech and Slovak Republics
Code Station Name Az Phase ID Time Res

NOU 19 08:10:38.2,39:02S:174:89E,h194km,MLV3.7/16,North
Island, New Zealand
WEL 19 08:10:40.9,0.9,39:35S:17:55E,h182km,gkm,
MLV2.6/14,Error ellipse: s-maj=10.3km s-min=7.7km
az=175.2,confirmed

ISC 19 08:10:34.9:1.7,38:95S:0.05:174:95E:0.05,h225km,gkm,
n122,e#175/139,North Island

Code Station Name Az Phase ID Time Res
VRZ Vera Road 0.23 221 P Pn 08 11 05.5 +1.2
VRZ Vera Road 0.23 221 S S 08 11 26.0 -1.2
TWVZ Taurewa 0.40 107 P Pn 08 11 06.0 +1.3

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PUZ Puketiti 2.74 72 P Pn 08 11 22.7 -0.3
BSWZ Blackbirch Sta 2.88 196 P Pn 08 11 26.8 +2.3
WMGZ Wiomatatini S 2.95 68 P Pn 08 11 26.3 +1.0

BJI 19 08:14:01.8,3:89S:100:50E,h30km,mb5.0/48
IDC 19 08:14:03.0,0.7,3:34S:100:45E,h0km,mb4.6/24,
mbmp4.7/26,ML5.0/2,MS4.5/1,Error ellipse:
s-maj=24.0km s-min=9.6km az=49.0

GFZ 19 08:14:04.7,0.3,3:3S:10:0E,h10km,M5.0/21,
mb5.0/21
NEIC 19 08:14:05.1,1.4,3:40S:0.05:100:37E:0.06,h10km,1km,
mb4.9/83,Error ellipse: s-maj=11.4km s-min=7.0km
az=233.0

DJA 19 08:14:07.2,0.5,3:52S:10:0E,h27km,5km,M5.2/51,
mb4.9/51,mb5.9/6,MLV5.0/51,Mw(MB)5.6/6
ISC 19 08:14:07.1,0.3,3:41S:0.05:100:41E:0.05,h29km,n282,
e#98/271,mb4.8/78,2C,Southern Sumatera

Code Station Name Az Phase ID Time Res
PPSI Pulau Pagai 0.76 328 P S 08 14 21.2 -0.6
PPSI Pulau Pagai 0.76 328 S S 08 14 31.7 -0.1
PPSI Pulau Pagai 0.76 328 AML AML 08 14 20.7 -1.1

KPJI Karang Pucung 9.33 115 P Pn 08 16 21.2 +1.5
UGM West Island 9.41 202 Pn Pn 08 16 19.8 -1.0
UGM Waganama 11.01 114 Pn Pn 08 16 42.8 +0.1
UGM Waganama 11.01 114 Pn Pn 08 16 42.5 -0.2
UGM Waganama 11.01 114 Pn Pn 08 16 44.6 +1.9







Table with columns: Station Name, Code, Time, Res, ISC, and various station identifiers. Includes stations like Minto, Thorofore Moun, Castle Rocks, etc.

IDC 19 09:00:52.0:0.7, 0.15S, 125.46E, h0km, mb4.0/10, mbtmp4.0/11, ML3.8/1, Error ellipse: s-maj=61.2km s-min=14.4km az=72.0

NEIC 19 09:00:52.7:1.9, 0.2NL0.1x126.43E:0.06, h10km,1km, mb4.3/17, Error ellipse: s-maj=18.5km s-min=8.2km az=154.0

DJA 19 09:00:58.4:0.2, 0.3S:3.12'6E", h10km, M4.1/12, mb4.3/4, MLV4.0/12

ISC 19 09:00:52.0:0.5, 0.20N:0.05:126.41E:0.05, h10km, n45, r+156/47, mb4.2/16, Northern Molucca Sea

Main table of station data for the 19d 9h period, including station names, codes, and various parameters.

IDC 19 09:08:32.1:0.8, 71.53N:3.60W, h0km, mb3.9/11, mbtmp4.0/17, ML3.5/5, MS3.7/2, Error ellipse: s-maj=14.2km s-min=13.3km az=139.0

NEIC 19 09:08:32.8:2.4, 71.51N:0.08:3.4W:0.2, h10km,1km, mb4.3/23, Error ellipse: s-maj=14.1km s-min=11.9km az=181.0

BER 19 09:08:33.3:3.5, 71.59N:3.78W, h10km, Mw4.2, ML4.3(NAO), Confirmed Earthquake

DNK 19 09:08:38.3:2.6, 71.90N:5.12W, h0km:60km, ML2.4, Presumed earthquake

ISC 19 09:08:32.1:0.5, 71.59N:0.05:3.77W:0.05, h12km, n194, r+195/193, mb4.3/50, Jan Mayen Island region

Main table of station data for the 2020 OCT period, including station names, codes, and various parameters.

Main table of station data for the 950 period, including station names, codes, and various parameters.



















SOME 19 10:17:36.3,39.27N;73.12E,h15km,MS3.8  
KRNET 19 10:17:36.7-0.1,39.46N;72.86E,h19km,mb4.8  
MOS 19 10:17:37.1-1.1,39.49N;72.77E,h11km,mb4.5/18,Error  
ellipse: s-maj=5.9km s-min=3.3km az=73.4  
IDC 19 10:17:37.0-0.6,39.39N;72.72E,h0km,mb4.0/20,  
mbmp4.1/26,ML3.6/6,MS3.5/4,Error ellipse:  
s-maj=12.1km s-min=10.9km az=155.0  
BUJ 19 10:17:38.6,39.60N;72.80E,h10km,mb4.6/9,ML4.4/5,  
MS3.9/5,MS7.3/9.5  
NEIC 19 10:17:39.5-1.8,39.52N;0.04;72.78E;0.05,h10km;1km,  
mb4.4/23,Error ellipse: s-maj=7.5km s-min=5.4km  
az=132.0  
NNC 19 10:17:41.8-1.1,39.58N;72.98E,h0km,mb4.7,mpv4.5,  
Error ellipse: s-maj=9.4km s-min=5.3km az=170.0  
ISC 19 10:17:38.4-0.9,39.56N;0.03;72.83E;0.02,h5km;6km,  
h271,az01/340,mb4.3/41,STC-34D,Kyrgyzstan

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations like SFK, Karamyk, Karym, Osh, Salom-Alik, etc.

Table with columns: KK31, Karatay Array, 3.95 335, Pn, 10 18 43.4 +3.7. Lists various stations like Karatay Array, Boroday, Boroday, etc.

Table with columns: KPKS, Kokpek, 5.88 46 eP, Pg, 10 19 26.9 -4.1. Lists various stations like Kokpek, Uzbunbulak, Shalkode, etc.



19D 12h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TRWZ, MSWZ, SNZO, etc.

19D 11:46:12.3:0.6, 62.63S:60.89W, h0km, mb4.0/11, mtbpm=0.12, ML4.7/1, MS3.5/5, Error ellipse: s-maj=23.4km, s-min=12.6km, az=99.0

NEIC 19 11:46:14.2:1.3, 62.74S:0.06-61.4W:0.2, h10km, 1km, mb4.8/49, Error ellipse: s-maj=17.1km, s-min=10.6km, az=96.0

ISC 19 11:46:13.8:0.3, 62.71S:0.05-61.40W:0.08, h10km, n93, o106/92, mb4.6/34, MS3.4/4, 5C, South Shetland Islands

Main station list table for the first section, including stations like Palmer Station, PMSA, G007, VNA3, etc.

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Main station list table for the second section, including stations like PTCN, SURC, RCBR, etc.

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Main station list table for the third section, including stations like HERR, MDVR, BEO, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CAEL, ELL, GAZI, SEDI, etc.

TIF 19 12:07:07.6, 43.28N, 46.33E, h44km, 1km
MOS 19 12:07:08.8, 43.19N, 46.19E, h74km, 1km, MPVA3.3
DRS 19 12:07:09.6, 42.98N, 46.30E, h75km

NORS 19 12:07:09.2, 43.11N, 46.13E, h79km, 2km, MPVA3.7
ISC 19 12:07:08.6, 1.5, 43.23N, 0.06, 46.19E, 0.04, h87km, 9gkm, n29, r0589158, Eastern Caucasus

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GROC, DLMR, CMAR, HILR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SHATIL, GUNIB, TIYARATA, etc.

ISC 19 12:11:33.8, 0.7, 5.39S, 142.52E, h0km, mb4.0/8, mbtmp4.0/13, ML3.5/4, MS3.3/15, Error ellipse: s-maj=15.3km s-min=9.8km az=83.0
NEIC 19 12:11:36.2, 1.8, 5.53S, 0.07, 142.35E, 0.04, h10km, 1km, mb4.2/19, Error ellipse: s-maj=12.3km s-min=6.0km az=183.0

ISC 19 12:11:39.0, 0.5, 5.54S, 0.05, 142.37E, 0.07, h35km, n54, r172/47, mb4.0/12, MS3.2/9, New Guinea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JAY, JAY, JAY, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ZALV, NRN, BOOM, etc.

IDC 19 12:20:54.1, 1.0, 5.52, 96S, 25.82E, h0km, mb4.3/15, mbtmp4.3/15, MS4.2/35, Error ellipse: s-maj=20.6km s-min=12.3km az=56.0
NEIC 19 12:20:55.7, 1.0, 5.31S, 0.1, 25.61E, 0.2, h10km, 1km, mb4.9/46, Error ellipse: s-maj=18.2km s-min=17.2km az=96.0

GFZ 19 12:20:55.0, 2.5, 5.3, 3, 2, 6E, h10km, M4.8/23, mb4.8/23

GCMT 19 12:20:58.7, 0.1, 5.31S, 0.01, 25.61E, 0.01, h18km, MMW5.2/136, Moment Tensor Solution, s89, c131, s136, c234; Duration: 1s0 Moment tensor: Scale 1017 Nm; Mn=0.07z, 0.2; Mxx=0.69z, 0.2; Myy=0.62z, 0.1; Mzz=1.4z, 0.3; Mxy=0.63z, 0.1; Mxz=1.2z, 0.3; Best double couple: Mo.0.92700/0.1017 NP1: 114.00000, 880.00000, 7.4.00000. NP2: 203.00000, 886.00000, 1.170.00000. Principal axes: T 0.9740, Plg10.0000, Azm338.0000; N -0.0940, P1g79.0000, Azm183.0000; P -0.8800, Plg4.0000, Azm69.0000; nst1 refers to body waves, cutoff=40s, nst2 refers to surface waves, cutoff=50s. Triangular moment-rater function

ISC 19 12:20:55.2, 0.3, 5.289S, 0.06, 25.59E, 0.08, h10km, n156, r125/122, mb4.7/45, MS4.3/37, 58.2D, South of Africa

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H04S2, H04S3, H04S1, etc.





Table with columns: Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like H11S3 WAKE ISLAND Hy 36.00 343 T, H11S1 WAKE ISLAND Hy 36.01 343 T, H11N1 WAKE ISLAND Hy 37.11 344 T, etc.

IDC 19 13:18:44.6,0.5,10.68S;74:52W,h0km,mb4.1/15, mbtmp4.2/21,ML3.8/6,MS3.5/16,Error ellipse: s-maj=10.2km s-min=7.7km az=52.0

VAO 19 13:18:47.9,0.8,10.79S;74:56W,h58km,9km,mb4.6, Presumed earthquake

NEIC 19 13:18:52.4,1.3,10.79S;74:57W,0.07,h50km,6km, mb4.6/40,Error ellipse: s-maj=10.3km s-min=9.3km az=111.0

ISC 19 13:18:50.9,0.4,10.76S;74:51W,0.05,h50km,n111, c155S/98,mb4.5/29,MS3.5/14,6C,Central Peru

Main table of seismic stations and events. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like NNA Nana, NNA Nana, NNA Nana, etc.

Table of seismic events. Columns: Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes events like ITAB Concordia, MDP Montagnes des, PLCA Paso Flores, etc.

PRU 19 14:02:59.8,49.85N;18:53E,h0km,Mining Induced Event Darkov, E=6.5e+04

IPEC 19 14:02:59.3,0.1,49.85N;18:52E,h1km,ML1.3/6,Error ellipse: s-maj=1.5km s-min=0.7km az=163.0,Czech and Slovak Republics

Table of seismic stations for the IPEC event. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like OKC Ostrava-Krasne, MORC Moravsky Berou, etc.

Table of seismic stations. Columns: Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like VRAC Vranov, VRAC Vranov, VRAC Vranov, etc.

NIED 19 14:03:58.0,24:43N;122:31E,h63km,MW3.9,Moment Tensor Solution. s2 Moment tensor: Scale 10^14Nm

JMA 19 14:03:58.0,1.2,24:43N;122:31E,h63km,2km,MW3.9/18,TAIWAN REGION

TAP 19 14:03:58.8,24:53N;122:27E,h64km,ML4.5,C

IDC 19 14:04:00.8,10.0,24:68N;122:59E,h91km,108km,mb3.6/6,mbtmp3.9/8,ML3.6/2,MS3.8/2,Error ellipse:

ISC 19 14:03:57.8,0.6,24.50N;122:42E,h62km,4km, n22S,1936/356,mb4.4,10C-15D,Taiwan region

Main table of seismic stations and events. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like E0S2 E0S2, E0S2 E0S2, E0S2 E0S2, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Lists various stations like TEGC, TWT, KSHI, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Lists various stations like SCLT, Jiali, TWMT, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Lists various stations like 0307, 21000, 81, 79000, etc.

Table with columns: Station, Name, Frequency, Power, and other technical details. Includes stations like MMSI Mamuju, PLAI Plampang, PCI Palu, etc.

Table with columns: Station, Name, Frequency, Power, and other technical details. Includes stations like AS01 Alice Springs, AS17 Alice Springs, AS07 Alice Springs, etc.

Table with columns: Station, Name, Frequency, Power, and other technical details. Includes stations like KLRB Kellerberrin, DLV AUKUL, BBOO Buckleboo, etc.

19d 14h

Table with columns for location, time, and status. Includes entries like AUHPC Hawkesdale P12, BRAT Ballarat, AMUTC Mt Clear Colle, MGCCD Mangrove Creek, etc.

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Table with columns for location, time, and status. Includes entries like TJN Taejon, TJN Taejon, INU Inuyama, INU Inuyama, etc.

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Table with columns for location, time, and status. Includes entries like PALK Pallekele, PALK Pallekele, PALK Pallekele, etc.



19d 14h

Table with columns for station ID, name, frequency, and other technical details. Includes stations like MSFE Esma-Masafi, MASF Masafi, ALNE AI Ain, etc.

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Table with columns for station ID, name, frequency, and other technical details. Includes stations like M17K Holitna River, ACHA Angle Creek, NCK Nalchik, etc.

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Table with columns for station ID, name, frequency, and other technical details. Includes stations like ILAR Eielson Array, ILAR Eielson Array, ILAR Cordova Ski Ar, etc.



Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like MNK Minsk, HAMF Hammerfest, SPMAO Spitsbergen Ar, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like BB19B Bebedouro, SJMB Sao Joao De Ma, CANS Sao Roque de Ma, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like GERES Colim, DRGR Siria, MARR Marisel-Cluj, etc.

Additional information and notes at the bottom right of the page, including coordinates and station identifiers.





Table with columns for station name, time, and other parameters. Includes stations like BTO2, KSAR, HHC, MJAR, etc.

Table with columns for station name, time, and other parameters. Includes stations like ARTI, BOSB, QSPA, etc.

Table with columns for station name, time, and other parameters. Includes stations like KURBB, WRA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like BAG3A, PTAR3, BOTLY, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like TWF1, WCS, CHHK, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like CBOC, SDV, SDV, etc.

JMA 19 17:00:48.4+0.2, 25°N, 122°09'E, h101km, 1km, Mv2.1/14, NW OFF ISHIGAKIJIMA IS

RNSC 19 17:13:37.5-1.8, 1°S, 111°8'0W, 11', h110km, 24km, M4.4, mb4.8, mb4.6, ML3.6, Mw(mb)4.0

IDC 19 17:15:50.8-1.0, 15°63'N, 121°26'E, h0km, mb3.7/8, mbmp3.8, MS2.8/1, Error ellipse: s-maj=55.7km

TAP 19 17:00:48.8, 24°50'N, 122°06'E, h87km, 1km, ML3.2, B

ISC 19 17:13:39.2-1.1, 1.01S, 104°79.84W, 0.03, h23km, m63, 0.980/68, 17C-9D, Ecuador

MAN 19 17:16:09.0, 15°34'N, 120°40'E, h125km, MS3.3

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like JYNG, YONAGUNI, etc.

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like JIPI, AMNT, AGUAY, etc.

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like BOLD, BOLP, LQP, etc.

19d 17h

ASAR Alice Springs 146.02 117 PKPbc PKPdf 17 48 30.8 -0.2
WRA Warrungarra Arr 147.33 111 PKPbc PKPdf 17 48 34.4 +1.2

NOU 19 17:31:19.8, 36:80S, 177:16E, h0km, MLV4.2/12, Off E.
WEL 19 17:31:20.4, 0.5, 37 S, 3:17 7E, h5km, M4, 0/38,
ML4.0/37, MLV4.0/38, Error ellipse: s-maj=4.8km
s-min=2.2km az=34.8, confirmed
IDC 19 17:31:21.4, 2.5, 36:94S, 176:79E, h0km, mb3.9/5,
mbtmp3.8/6, ML2.9/1, MS3.5/12, Error ellipse:
s-maj=57.8km s-min=26.8km az=62.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like White Island S, White Island, Mayor Island, Whale Island, Te Kaha, Tauranga, Matakaoa Point, Raukumara Rang, Manawahe, Pakihiroa, Lichensteins R, Edgecumbe, Kaharoa, Kaimai, Great Barrier, Waionmatatini S, Makatiti, Urewera, Ngongotaha, Mount Tararua, Waiheke Island, Moutakapi, Matawai, Utuhina, Highlands Stat, Waiheke Island, Moutakapi, Karaka Road Bo, Ruatuhuna, Army Bay.

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Table with columns: Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like Carnagh Park, Eden Park BICE, Herne Bay Bore, Rimuhau, Kaahu Road, Tolley Road, Awhitu Peninsula, Riverhead Bore, Waiaura, Maungataniwha, Matare Rd, Aarahi, Kokohu, Waihua, Naumai, Rangitukia, Rihia Road, Black Stump Fm, Black Stump Fm, Aroapanoai, Hauiti, North Tongariri, Te Marariri, Karewarewa, East Tongariri, West Tongariri, Oturere, Tauranga, McNeill Hill, Ngauruhoe, Kaweka Forest, Chateau Observ, Far West T-bar, Wahianoa, Black Hill Sta, Blowhango, Pokaka, Kereru, Korua Road, Kahurangi, Pukenui, Omahuta, Omahuta, Omahuta, Takapari Road, Wanganui, Lake Rotokare, North Egmont, Pukeiti, Palmer Road, Kahui Hut, Kahui Hut, Newall Road No, Birch Farm, Birch Farm, Mangatainoka R, Holdsworth Sta, Otaki Gorge, Kapiti Island, D'Urville Isla, South Karori, Baring Head, Tuamariu, Nelson, Takaka Hill, Quartz Range, Quartz Range, Matariki Terra, Torohoua, Kahurangi, Kahurangi, Rata Peaks, Raoul Island, Mont Dzacum, Stephens Creek, Honiara, Charters Tower, Neumayer Olymp, Alice Springs, Keravat (AS076), Warrungarra Arr, Jayapura, South Pole Qui, Sorong, Mawson, Troll, Troll, Antarti, Neumayer Olymp, Neumayer-Watz, Chiang Mai Arr, Palkelele.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like Keravat (AS076), Honiara, Alice Springs, Malankani Array, Ta-pu, Ta-pu, Ta-pu, Taoyuan, Taoyuan, Tsauhsan, Nanshi, Fanlu, Hsiinyang, Jianshan, Alishan, Alishan, Liugui, Yu-Shan, Tsauling, Minshiang, Chiayi, Shinhua, Shanhua, Xinyi Township, Gukeng, Haiduan, Douliu, Chishang, Douliou City, Jiali, Fuli, Shoushan, Sandimen, Yuli, Shulin Townsh, Yuli, Yuli, Pinlang, Beinan, Beinan, Beinan, Zhushan, Suanglung, Suanglung, Suanglung, Jiouru, Hungye, Sshu, Chigu Township, Chengkung, Wanrong, Mingjian, Chengggong, Sun Moon Lake, Yuchr, Mashibuluo, Changbin, Ruisui, Taimali, Erin, Guolierlin Hig, Fenglin Townsh, Gushan, Xinni, Renai, Beigang Elemen, Renai, Changhua City, Zhangua, Shilin, Taichung, Anshuo, Fangliu.



Table with columns: TAW, SHUL, WDG, etc. Station Name, Time, Res. Includes stations like Tawu, Shoufeng, Dunggij, Tongmen, etc.

Table with columns: SATY, ULHL, ULHL, BOOM, etc. Station Name, Time, Res. Includes stations like Ulahol, Booms koye usch, Przheval'sk, etc.

Table with columns: MNAI, TPTI, MDSI, etc. Station Name, Time, Res. Includes stations like Manna, Manna, Manna, etc.

NNC 19 17:49:59.0.5, 42.98N, 77.12E, h0km, mb2.5, mpv2.7, Error ellipse: s-maj=4.0km s-min=2.3km az=33.0

SOME 19 17:49:59.7, 43.00N, 77.07E, h5km KRNET 19 17:50:00.0.1, 43.00N, 77.10E, h20km, mb2.0

ISC 19 17:50:00.0.0, 42.99N, 0.02, 77.11E, 0.02, h8km, 7km, n33, o558/64, 18C-16D, Lake Issyk-Kul region

UCR 19 17:50:58.6.0.7, 8.30N, 82.82W, h15km, 5km, MW3.5, Presumed earthquake

UPA 19 17:50:58.7.1.2, 8.33N, 82.81W, h22km, 3km, MW3.4, Presumed earthquake

ISC 19 17:50:58.3.1.1, 8.34N, 0.03, 82.80W, 0.02, h16km, 9km, n39, o591/64, 1C-8D, Panama-Costa Rica border region

TIR 19 18:49:37.7, 40.96N, 20.67E, h8km, 2km, Md2.6/7, M1.9/2

BEO 19 18:49:37.9, 1.0, 40.88N, 20.78E, h0km, ML2.3

SKO 19 18:49:39.1, 40.92N, 20.81E, h12km, ML2.3

ISC 19 18:49:38.4.0.9, 40.92N, 0.02, 20.71E, 0.03, h13km, 7km, n25, o110/41, Greece-Albania border region

IDC 19 18:51:06.0,0.6,10.145S,161.26E,h103km,4km,mb4.0/23,
mtbmp4.3/26,MS3.3/15,Error ellipse: s-maj=11.6km
s-min=10.3km az=42.0
NOU 19 18:51:06.3,10.32S,161.26E,h30km,MLv5.2/20,
Solomon Islands
NEIC 19 18:51:07.0,1.9,10.23S,0.08,161.21E,0.03,h100km,5km,
mb4.5/77,Error ellipse: s-maj=12.5km s-min=3.2km
az=194.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like HURO Huro Makira, HNR Honiara, NHR Honiara, etc.

Table with columns: KIWB Kanaga Island, ADK Adak, HEH Heihe, VNDA Vanda, etc. Includes stations like HILR Hailar Array B, ULN Ulaanbaatar, GUA Gaotai, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like GVD Gavdhos, GVD Gavdhos, GVD Gavdhos, etc.

IDC 19 18:57:55.1,1.8,0.03N,125.88E,h0km,mb3.4/3,
mtbmp3.5/4,ML3.7/1,Error ellipse: s-maj=131.3km
s-min=24.1km az=67.0,Northern Molucca Sea

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like INCE Denizi-Bozkur, INCE Mathias, CFS Offri, etc.

comp=N,11nm,1.2s
IDC 19 19:32:54.3-0.9,11.87N;125.05E,h0km,mb3.8/9,
mbmp3.8/9,MS3.5/31, Error ellipse: s-maj=45.3km

IDC 19 19:32:56.0,11.63N;124.35E,h14km,MS4.8
MAN INTENSITY IV - KAWAYAN AND ALMERIA BILIRAN;
INTENSITY IV - MARIPIPI CULABA CAIBIRAN NAVAL

IDC 19 19:32:59.6-2.0,11.76N;101.124E,0.1,h35km,2km,
mb4.4/23, Error ellipse: s-maj=25.2km s-min=15.9km
az=73.0

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like PLP Palo, MPMH Masbate, CADP Cadiz City, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like WUS Wushi, WK31 Makanchi Array, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like DRK Karamyk, BTK Batken, KK31 Karatay Array, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like BORK Borovoye, TIXI Tikisi, NRIK Norik's Array, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like CMJ1 Cimerak, CMJ2 Cimerak, BBJ1 Bungbulang, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like STKA Stephens Creek, PETK Petropavlovsk, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like JAGI Jajag, Banyuwa, JAGI Jajag, Banyuwa, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like KSI Kahang-Kahang, KHKI Kahang-Kahang, MASI Maura Aman, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like MBWA Marble Bar, MBWA Marble Bar, SANI Sani, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like BBOO Buecklebo, BBOO Buecklebo, YOJ Yonaguni jima, etc.

19d 20h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ASAJ Asahikawa, KLR Kuldur, H04N2 CROZET ISLANDS, etc.

MDD 19 20:18:44.6±0.3, 42.239N-8.033W, h1km, mb\_Lg3.0/19, Error ellipse: s-maj=2.7km s-min=2.1km az=95.0 SFS 19 20:18:45.1, 42.51N-8.07W, h14km, ML3.2/8, ML3.6/8, ML3.3/7.7 INMG 19 20:18:45.4±1.8, 42.43N-8.06W, h5km, ML2.5, Error ellipse: s-maj=4.1km s-min=2.0km az=96.0 #DIST\_RANGE: LOCAL #IPMA\_REGION: NW Oureuse (ESP) ISC 19 20:18:44.2±1.0, 42.41N-0.02, 7.97W±0.03, h11km, gkm, n48, e1952/109, 7C, Spain

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like EAGO Agolada(Pontev), EAGO Agolada, EAGO Agolada, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PSIM Adamuz, EADA Adamuz, EADA Adamuz, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes stations like R16K, R17L, AKUT, UNV, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes stations like COLA, ILAR, ILAR, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes stations like KXSX, SKR, MA2, etc.

19d 20h

Table with columns: RES, comp, I/Amb, I/Amb, 21 01 37.3, RES, comp, I/Amb, I/Amb, 21 01 37.3, RES, comp, I/Amb, I/Amb, 21 01 00.2 -0.1, KVN, Kaiserville, 31.88 102, I/Amb, I/Amb, 21 01 43.6, BBGB, Big Mountain B, 31.97 108, I/Amb, I/Amb, 21 01 39.5, NVAR, Milna Array B, 32.19 103, P, P, 21 01 06.0 +1.4, NVAR, comp=Z, 1437um, 21.2s, baz=306, slow=32, LR, LR, 21 11 50.7, NVAR, comp=Z, 1411nm, 1.0s, PPKPbc, 21 32 32.2, LHV, Little Huntoon, 32.20 103, I/Amb, I/Amb, 21 01 32.2, HULI, Fort Hunter Li, 32.27 109, I/Amb, I/Amb, 21 01 43.9, HULI, comp=Z, 6um, 1.4s, IAMS\_20, IAMS\_20, 21 10 44.3, YHB, Horse Butte, 32.28 87, I/Amb, I/Amb, 21 01 32.3, PMPK, Monarch Peak, 32.36 109, I/Amb, I/Amb, 21 01 34.8, BLKN, Baker Lake, 32.38 47, P, P, 21 01 04.3 -1.4, ELK, Elko, 32.39 97, LR, LR, 21 12 21.5, ELK, Elko, 32.39 97, I/Amb, I/Amb, 21 01 33.8, ELK, comp=Z, 6um, 2.0s, IAMS\_20, IAMS\_20, 21 12 09.6, ELK, Elko, 32.39 97, I/P, P, 21 01 08.1 +1.7, YMR, Madison River, 32.46 87, I/Amb, I/Amb, 21 01 34.0, FFC, Flin Flon, 32.56 66, P, P, 21 01 07.8 +0.3, FFC, Flin Flon, 32.56 66, P, P, 21 01 07.3 -0.1, FFC, comp=Z, 650nm, 1.1s, MLR, MLR, FFC, Flin Flon, 32.56 66, P, P, 21 01 07.3 -0.1, FFC, Flin Flon, 32.56 66, IAMS\_20, IAMS\_20, 21 15 05.3, FFC, Flin Flon, 32.56 66, I/P, P, 21 01 07.4 0.0, FFC, Flin Flon, 32.56 66, P, P, 21 01 07.7 +0.3, FFC, comp=Z, 354um, comp=Z, 355um, comp=Z, 600nm, 1.1s, comp=Z, 35um, 1.5s, 21 01 09.9 +2.1, KEKH, Kekaha, 32.58 180, P, P, 21 01 09.9 +2.1, YNR, Norris Junction, 32.60 87, I/Amb, I/Amb, 21 01 35.7, PKD, Bear Valley Ra, 32.70 109, IAMS\_20, IAMS\_20, 21 10 57.9, YPP, Pitchstone Pla, 32.79 88, I/Amb, I/Amb, 21 01 58.9, YNE, Yellowstone No, 32.82 86, I/Amb, I/Amb, 21 01 37.1, LKWP, Lake, 32.85 87, I/P, P, 21 01 13.2 +2.8, YMP, Mirror Lake Pl, 32.89 87, I/Amb, I/Amb, 21 01 38.2, TPH, Tonopah, 33.05 102, I/Amb, I/Amb, 21 01 39.2, HVU, Hansel Valley, 33.16 93, P, P, 21 01 12.5 -0.5, HVU, comp=Z, 2um, 1.7s, pP, 21 01 20.5 -2.0, KIP, Kipapa, 33.16 177, P, P, 21 01 15.5 +2.5, KIP, Kipapa, 33.16 177, I/P, P, 21 01 15.4 +2.5, KIP, comp=Z, 3um, 1.5s, MLR, MLR, KIP, Kipapa, 33.16 177, IAMS\_20, IAMS\_20, 21 10 59.8, KIP, Kipapa, 33.16 177, P, P, 21 01 13.3 +0.3, RLMT, Red Lodge, 33.19 85, I/P, P, 21 01 14.8 +1.5, TIN, Tinemaha, Big, 33.19 105, IAMS\_20, IAMS\_20, 21 11 56.8, HON, Honolulu, 33.26 177, P, P, 21 01 14.5 +0.7, SNOW, Snow King Moun, 33.30 89, I/Amb, I/Amb, 21 01 41.2, AHID, Auburn Hatcher, 33.32 90, I/Amb, I/Amb, 21 01 42.6, AHID, comp=Z, 900um, 19.0s, IAMS\_20, IAMS\_20, 21 13 33.1, BGU, Big Grassy Mou, 33.55 95, I/Amb, I/Amb, 21 01 43.7, VES, Vestal, Richgr, 33.59 107, IAMS\_20, IAMS\_20, 21 12 00.2, SPUT, South Promonto, 33.65 93, I/Amb, I/Amb, 21 01 43.8, CWC, Cottonwood Cre, 33.71 105, IAMS\_20, IAMS\_20, 21 11 45.6, GRAC, Grapevine Rang, 33.72 104, I/Amb, I/Amb, 21 01 59.2, KHLH, Kahului Airpor, 33.75 175, P, P, 21 01 20.4 +2.4, TXI, Tiksi, 33.89 327, LR, LR, 21 15 42.8, TXI, Tiksi, 33.89 327, I/P, P, 21 01 17.1 -1.7, TXI, comp=Z, 2um, 1.0s, pmax, pmax, TXI, Tiksi, 33.89 327, MLR, MLR, TXI, Tiksi, 33.89 327, P, P, 21 01 17.0 -1.7, TXI, Tiksi, 33.89 327, I/Amb, I/Amb, 21 01 46.6, TXI, Tiksi, 33.89 327, IAMS\_20, IAMS\_20, 21 17 34.8, TXI, Tiksi, 33.89 327, I/P, P, 21 01 16.9 -1.9, TXI, Tiksi, 33.89 327, P, P, 21 01 17.2 -1.7, HLK, Halekalela, 33.90 174, P, P, 21 01 21.6 +1.9, HWUT, Hardware Ranch, 33.97 92, I/Amb, I/Amb, 21 01 48.6, HWUT, Hardware Ranch, 33.97 92, I/P, P, 21 01 21.5 +1.4, HWUT, Hardware Ranch, 33.97 92, P, P, 21 01 21.9 +1.8, ISA, Isabella, Lake, 34.05 107, I/Amb, I/Amb, 21 02 00.9, ISA, IAMS\_20, IAMS\_20, 21 12 25.7, LAO, LASA Array, 34.06 81, I/P, P, 21 01 22.1 +1.4, DUG, Dugway, Tooele, 34.15 95, I/P, P, 21 01 23.3 +1.6, DUG, Dugway, Tooele, 34.15 95, P, P, 21 01 23.4 +1.8, S11A, Rachel, 34.18 101, I/Amb, I/Amb, 21 02 09.8, DGMT, Dagmar, 34.26 77, IAMS\_20, IAMS\_20, 21 14 24.6, DGMT, Dagmar, 34.26 77, I/P, P, 21 01 23.1 +0.8, NKL, Nikolayevsk, 34.27 293, eP, S, 21 01 20.8 -1.5, NKL, comp=Z, 932nm, 1.2s, pmax, pmax, NKL, comp=N, 4um, 1.4s, pmax, pmax, NKL, comp=N, 10um, 1.3s, smax, smax, NKL, comp=N, 26um, 5.5s, smax, smax, NKL, comp=E, 23um, 5.5s, MLR, MLR, NKL, comp=N, 1051um, 19.0s, MLR, MLR, NKL, comp=E, 1527um, 18.0s, MLR, MLR, NKL, comp=Z, 1861um, 18.0s, MLR, MLR, TYV, Tymovskoe, 34.27 288, eP, S, 21 01 22.3 0.0, TYV, pmax, pmax, TYV, comp=Z, 485nm, 1.4s, pmax, pmax, TYV, comp=Z, 12um, 2.5s, smax, smax, TYV, comp=N, 7um, 5.3s, smax, smax, TYV, comp=E, 18um, 5.3s, smax, smax, TYV, comp=N, 136nm, 2.3s, smax, smax,

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Table with columns for station ID, name, elevation, and various performance metrics (max, min, etc.) for stations like CN2, 235A, J47A, etc.

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Table with columns for station ID, name, elevation, and various performance metrics for stations like 735A, PYAG, N51A, etc.

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Table with columns for station ID, name, elevation, and various performance metrics for stations like VBMS, WCNV, P53A, etc.





















Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like KULM, SHBL, MACI, MACI, MACI, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like MDH, MDH, MDH, JAGI, JAGI, JAGI, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like UMZA, KSI, BBJJ, BBJJ, MZR, MZR, etc.



Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like H03S1, NWA0, LCO, AC05, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like KSAN, OPU, RUDU, QSPA, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like DCPH, Dipolog City, LRP, etc.







Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Band, Mode, Power, and other technical details for various radio stations.

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Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Band, Mode, Power, and other technical details for various radio stations.

19d 21h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ILAR, AMKA, HCAT, etc.

2020 OCT

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ULM, ULM, ULM, etc.

998

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like NJ2, MSF, OUL, etc.



Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Sonseca Array, Keskin Array B, Keskin Array A, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Chernabura Isl, Sand Point, Veniaminof 5, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Camden Bay, Barrier River, Palautuk, etc.

AEIC 19 21:27:03.7-1.5, 54.28N, 0.05-159.68W, 0.07, h26km, 7km, Error ellipse: s-maj=7.7km s-min=5.8km az=190.0

AEIC 19 21:28:59.3-2.8, 54.43N, 0.05-159.58W, 0.06, h17km, 3km, Error ellipse: s-maj=6.7km s-min=4.7km az=164.0

AEIC 19 21:29:00.1-2.5, 54.52N, 0.03-159.72W, 0.07, h32km, 5km, Error ellipse: s-maj=6.7km s-min=3.3km az=50.0

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Chernabura Isl, Sand Point, Veniaminof 6, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Katmai Buttes, Katmai Knife C, Katmai Rainbow, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Kadiak Island, Kadiak Island, Kadiak Island, etc.

19d 21h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like MPMV Sheldon Lake, H31M Peel River, G30M Taoh Zrai Nji, etc.

IDC 19:21:30:37.8, 1.4, 54:50N:159:80W, h0km, mb4.3/17, mbmp4.3/20, ML4.0/3, Error ellipse: s-maj=34.8km s-min=18.4km az=160.0.

AEIC 19:21:30:40.1, 2.5, 54:43N:0:05:159:48W:0.10, h37km, 4km, Error ellipse: s-maj=8.2km s-min=6.9km az=111.0.

NEIC 19:21:30:43.0, 1.5, 54:62N:0:05:159:65W:0.05, h31km, 4km, mb4.7/27, ML4.6/22, ML4.5(AEIC), Error ellipse: s-maj=8.3km s-min=3.2km az=204.0.

ISC 19:21:30:43.0, 0.5, 54:54N:0:06:159:68W:0:05, h35km, n102, s120/104, mb4.4/25, South of Alaska

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like CNBA Chernabura Isl, SDPT Sand Point, G30M Taoh Zrai Nji, etc.

2020 OCT

Main table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like ILAR Atiakaket, G29M Pine Creek, EPYK Eagle Plains, etc.

BUI 19:21:32:16.0, 54:30N:159:80W, h10km, mb5.5/59
IDC 19:21:32:18.4, 0.5, 54:41N:159:89W, h0km, mb5.1/35, mbmp5.1/41, ML4.8/6, MS6.0/1, Error ellipse: s-maj=13.7km s-min=7.8km az=159.0.

1000

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like CNBA Chernabura Isl, CHNA Chernabura Isl, SDPT Sand Point, etc.

1001

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like K20K, 117K, FID, SMDL, etc.

2020 OCT

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like TIXI, DUG, TYV, TVV, etc.

19d 21h

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like MJAR, MJAR, MJAR, etc.



Table with columns for station name, frequency, power, and other technical details. Includes stations like ZVC, TNCH, SLVN, GRBZ, STHS, WETZ, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like KBA, SESA, MPLH, ERBR, MESH, ARCA, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like TPGR, KLP, PGOR, JHRR, etc.





1005

Table with columns: CHIR, comp, N, A, 404nm, 1.2s, IAML, 21 37 34.4

THE 19:21:37.50.4, 39.6N.0.8-2.6E, h3km, 2.2km, M2.6/7, MLh2.6/7

ISK 19:21:37.50.2, 39.60N.26.08E, h2km, ML1.6/5

AFAD 19:21:37.50.4, 39.58N.26.09E, h7km, 3km, MC1.6

ISC 19:21:37.49.5-0.9, 39.57N.0.03-26.08E, 0.04, h14km, 6km, n18, 0.963/31, Turkey

Main table for 1005 with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC

NEIC 19:21:39.13.8.2.5, 54.21N.0.05-159.62W, 0.06, h13km, 5km, mb4.4/13, ML4.0/21, Error ellipse: s-maj=7.1km

ISC 19:21:39.14.1.1.5, 54.56N.159.71W, h0km, mb3.8/12, mbmp3.9/17, ML3.7/3, Error ellipse: s-maj=39.2km

ISC 19:21:39.14.9.0.7, 54.41N.0.10-159.60W, 0.07, h10km, n95, 0.1500/89, mb3.9/14, South of Alaska

Main table for 1005 (continued) with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC

200 OCT

Main table for 200 OCT with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC

19d 21h

Main table for 19d 21h with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC

19d 21h

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like CNPM, N19K, RED, L14K, BRLK, etc.

2020 OCT

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like AB31, AKBAR, AKASG, AKKB, etc.

1006

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like AUI, CLES, M13K, SP1A, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like PEAOB, PETK, PETK, COR, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like PV05, PV07, PV03, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like JGF, JGF, JGF, etc.

19d 21h

143A	Soes Landing, comp=Z,193nm,1.3s	51.84	85	I	Amb	21 54 37.0
SCO	Soesbysund	51.85	17	P	P	21 54 32.1 -0.1
SCO	comp=Z,191nm,1.3s					
SCO	Soesbysund	51.85	17	P	I	21 54 32.1 -0.1
SCO	comp=Z,191nm,1.3s					
SCO	Soesbysund	51.85	17	P	P	21 54 33.9 +1.7
SCO	comp=Z,148nm,1.0s					
SCO	Soesbysund	51.85	17	P	P	21 54 34.8 +2.6
P51A	Williamsport	51.86	73	I	Amb	21 54 36.0
TRQ	Mont Tremblant	51.88	62	P	I	21 54 31.7 -1.1
TRQ	comp=Z,161nm,1.2s					
MEDO	Medina	51.88	67	P	P	21 54 31.4 -1.4
MEDO	comp=Z,111nm,1.0s					
R50A	Paris	51.98	75	I	Amb	21 55 59.0
R50A	comp=Z,71nm,0.9s					
Q51A	Peebles	52.02	74	P	P	21 54 32.2 -1.7
Y45A	Yeager Farm, C	52.09	83	I	Amb	21 55 59.2
Y45A	comp=Z,120nm,1.0s					
O52A	Adamsville	52.11	72	I	Amb	21 54 44.0
PECO	Prince Edward	52.14	65	P	P	21 54 33.3 -1.4
PECO	comp=Z,193nm,1.5s					
N53A	Lisbon	52.19	71	I	Amb	21 54 38.5
ISOG	Isortoq, Green	52.24	27	P	I	21 54 35.5 +0.3
ISOG	comp=Z,691nm,2.2s					
PAOC	Oil Creek Stat	52.34	69	I	Amb	21 54 39.9
PAOC	comp=Z,80nm,1.1s					
CLTN	Cedars of Leba	52.37	79	I	Amb	21 54 40.6
CLTN	comp=Z,148nm,1.4s					
U49A	Red Boiling Sp	52.38	78	I	Amb	21 56 00.2
U49A	comp=Z,71nm,0.8s					
ANGG	Ammassalik, Gr	52.54	26	P	P	21 54 37.6 +0.3
ANGG	comp=Z,95nm,1.3s					
ANGG	Ammassalik, Gr	52.54	26	P	P	21 54 38.0 +0.7
ANGG	comp=Z,51nm,0.8s					
T50A	Nancy	52.57	77	P	P	21 54 36.4 -1.6
T50A	comp=Z,86nm,1.1s					
IVI	Ivigut	52.77	34	P	P	21 54 42.5 +3.4
IVI	comp=Z,71nm,1.0s					
IVI	Ivigut	52.77	34	P	P	21 54 42.5 +3.4
P53A	Whipple	52.79	72	I	Amb	21 54 50.7
P53A	comp=Z,111nm,1.4s					
ZAIG	Zacatecas	52.80	103	P	P	21 54 40.9 +0.7
ZAIG	comp=Z,51nm,1.1s					
MNTQ	Montreal, Queb	52.84	62	I	Amb	21 54 43.0
MNTQ	comp=Z,193nm,1.0s					
O54A	Avella	52.87	71	I	Amb	21 54 43.5
O54A	comp=Z,82nm,0.8s					
XLT	XilinHaoTe	52.89	296	eP	pP	21 54 39.8 -0.6
XLT						21 54 44.6 -3.3
XLT						
LONY	Lake Ozonia	52.95	63	I	Amb	21 54 44.3
LONY	comp=Z,29nm,0.9s					
IRK	Irkutsk	52.99	310	eP	pP	21 54 38.2 -2.7
IRK	comp=Z,144nm,1.4s					
LMQ	La Malbaie	53.12	58	P	P	21 54 42.3 +0.4
K57A	Scipio Center	53.22	66	I	Amb	21 54 46.8
K57A	comp=Z,172nm,1.5s					
146A	Union	53.25	84	I	Amb	21 55 08.9
146A	comp=Z,144nm,1.2s					
ICQ	Pointe Anglais	53.25	54	I	Amb	21 54 46.8
ICQ	comp=Z,172nm,1.3s					
DL2	Dalian	53.32	288	P	S	21 54 44.6 +1.1
DL2						22 02 15.8 +2.4
DL2						
Z47A	Carro	53.42	82	I	Amb	21 54 56.2
Z47A	comp=Z,82nm,1.0s					
MCWV	Mont Chateau	53.53	71	I	Amb	21 54 48.6
MCWV	comp=Z,62nm,0.9s					
W50A	Signal Mountai	53.58	79	I	Amb	21 54 58.8
W50A	comp=Z,63nm,0.9s					
TZTN	Tazewell	53.64	76	P	P	21 54 47.5 +1.6
TZTN	comp=Z,79nm,0.9s					
TLY	Talaya	53.66	310	P	I	21 54 44.9 -0.9
TLY	comp=Z,115nm,1.4s					
NRS	Narsarsuaq	53.70	33	P	P	21 54 47.6 +1.6
NRS	comp=Z,87nm,1.0s					
NRS	Narsarsuaq	53.70	33	P	P	21 54 50.9 +5.0
NRS	comp=Z,72nm,1.2s					
BINY	Binghamton	53.87	66	P	P	21 54 45.8 -1.8
BINY	comp=Z,95nm,1.8s					
SSPA	Standing Stone	53.93	69	P	P	21 54 46.6 -1.3
SSPA	comp=Z,79nm,1.1s					
SSPA	Standing Stone	53.93	69	P	P	21 54 47.4 -0.5
SSPA	comp=Z,118nm,1.3s					
D62A	Allapoint, All	54.07	58	I	Amb	21 54 56.5 +1.1
D62A	comp=Z,104nm,1.2s					
TKL	Tuckaleehee C	54.14	77	I	Amb	21 54 52.8
TKL	comp=Z,79nm,1.1s					
X51A	Calhoun	54.30	79	I	Amb	21 55 04.4
X51A	comp=Z,75nm,1.1s					
L59A	Walton	54.38	66	P	P	21 54 49.8 -1.4
L59A	comp=Z,86nm,1.0s					
N58A	Sunbury	54.42	68	I	Amb	21 54 55.5
N58A	comp=Z,143nm,1.2s					
W52A	Murphy	54.45	78	I	Amb	21 55 21.0
W52A	comp=Z,100nm,1.3s					
P57A	Homestead Farm	54.66	70	I	Amb	21 54 57.0
P57A	comp=Z,100nm,1.1s					
V53A	Salud	54.68	76	I	Amb	21 55 05.6
V53A	comp=Z,77nm,1.0s					
ULN	Ulaanbaatar	54.72	305f	eP	pP	21 54 53.4 -0.5
ULN	comp=Z,51nm,1.0s					
ULN	Ulaanbaatar	54.72	305	P	P	21 54 51.9 -2.0
ULN	comp=Z,76nm,1.2s					
ULN	Ulaanbaatar	54.72	305	P	P	21 54 53.3 -0.5
ULN	comp=Z,69nm,1.1s					
ZAK	Zakamensk	54.73	309	eP	pP	21 54 51.9 -1.9
ZAK	comp=Z,38nm,1.3s					
H2A	Milan	54.75	61	I	Amb	21 55 06.0
H2A	comp=Z,93nm,1.0s					
H6N	Hanover	54.77	62	I	Amb	21 54 57.4
H6N	comp=Z,200nm,1.8s					
MOY	Mondy	54.85	311	eP	pP	21 54 56.8 +2.2
MOY	comp=Z,247nm,1.4s					
BLA	Blacksburg	54.93	73	I	Amb	21 55 15.5
BLA	comp=Z,65nm,0.9s					
SONM	Songino Array	55.06	305	P	P	21 54 56.2 -0.1
SONM	comp=Z,11nm,0.7s					
SONM	Songino Array	55.06	305	P	P	21 54 54.0 -2.3
SONM	comp=Z,11nm,0.7s					
BG3	Lake Jocassee	55.09	77	I	Amb	21 56 11.1
BG3	comp=Z,86nm,1.1s					
PKME	Peaks-Kenny Pk	55.21	59	I	Amb	21 55 00.9
PKME	comp=Z,77nm,1.0s					
F64A	Sherman	55.27	58	I	Amb	21 55 09.4
F64A	comp=Z,96nm,1.0s					
HAMF	Hammerfest	55.29	359	eP	pP	21 54 58.6 +1.2
SDMD	Soldier's Deli	55.36	69	P	P	21 54 57.0 -1.4
H63A	Otisfjord	55.41	61	I	Amb	21 55 02.7
H63A	comp=Z,175nm,1.4s					
V55A	Taylorville	55.45	75	I	Amb	21 55 11.1
V55A	comp=Z,70nm,1.0s					
WVL	Waterville	55.52	60	I	Amb	21 55 11.1
WVL	comp=Z,65nm,1.0s					
BJJ2	Beijing	55.54	292	P	P	21 54 59.0 -0.6
BJJ2	comp=Z,11nm,0.7s					
U56A	King	55.57	74	I	Amb	21 55 03.5
U56A	comp=Z,80nm,1.1s					
VADS	Vadsø	55.66	356	eP	pP	21 55 01.6 +1.5
VADS	comp=Z,11nm,0.7s					
152A	Waverly Hall	55.74	80	I	Amb	21 55 03.4
152A	comp=Z,173nm,1.9s					
GOGA	Godfrey	55.93	79	P	P	21 55 00.9 -1.6

2020 OCT

HRV	Adam Dzewonski	55.99	63	P	P	21 55 03.5 +0.6
HRV	comp=Z,41nm,1.0s					
HRV	Adam Dzewonski	55.99	63	P	P	21 55 03.5 +0.6
HRV	comp=Z,173nm,1.7s					
HRV	Adam Dzewonski	55.99	63	P	P	21 55 05.1 +2.2
HRV	comp=Z,66nm,2.1s					
WSPT	Westport, CT	56.01	65	I	Amb	21 55 07.0
WSPT	comp=Z,149nm,1.1s					
KEV	Kevo	56.11	357	P	P	21 55 02.3 -0.9
KEV	comp=Z,71nm,0.7s					
KEV	Kevo	56.11	357	P	P	21 55 02.3 -0.9
KEV	comp=Z,71nm,0.7s					
KEV	Kevo	56.11	357	P	P	21 55 06.5 +3.3
KEV	comp=Z,110nm,1.1s					
G65A	Princeton	56.12	58	P	P	21 55 04.1 +0.3
G65A	comp=Z,94nm,1.3s					
WES	Weston	56.20	63	I	Amb	21 55 16.8
WES	comp=Z,102nm,1.0s					
TRO	Tromsø	56.32	1	eP	P	21 55 05.0 +0.2
TRO	comp=Z,56nm,2.1s					
ARAO	ARCESS Array S	56.37	358	eP	P	21 55 06.4 +1.3
ARAO	comp=Z,82nm,0.9s					
JETT	Jettan, Norway	56.41	360	eP	P	21 55 06.2 +0.8
JETT	comp=Z,52nm,0.9s					
352A	Blakely	56.49	82	I	Amb	21 55 18.1
352A	comp=Z,52nm,0.9s					
EMMW	East Machias	56.53	59	I	Amb	21 55 18.4
EMMW	comp=Z,51nm,0.9s					
JSC	Jenkinsville	56.56	77	I	Amb	21 55 18.5
JSC	comp=Z,55nm,1.1s					
V58A	Windy Hill, Pi	56.68	74	I	Amb	21 55 11.4
V58A	comp=Z,89nm,1.1s					
KTK1	Kautokeino	56.93	359	eP	P	21 55 10.5 +1.3
KTK1	comp=Z,52nm,1.0s					
BORG	Borgarnes	57.02	20	P	P	21 55 11.1 +1.3
BORG	comp=Z,22nm,1.0s					
BORG	Borgarnes	57.02	20	P	P	21 55 12.2 +2.5
BORG	comp=Z,78nm,1.1s					
KNGR	Kungturgut, Tv	57.13	312	eP	pP	21 55 11.7 +0.7
KNGR	comp=Z,116nm,1.1s					

1009

Table with columns: ICAO, Name, Frequency, Power, Mode, and other technical details. Includes stations like Belurgan, Co L, Glogowia, Co, etc.

2020 OCT

Table with columns: ICAO, Name, Frequency, Power, Mode, and other technical details. Includes stations like Taraz, DZA, VORD, etc.

19d 21h

Table with columns: ICAO, Name, Frequency, Power, Mode, and other technical details. Includes stations like WLF, WLF, WLF, etc.

19d 21h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like VYHS, KECS, PMG, SJG, etc.

2020 OCT

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like BEHE, SHL, MORH, TURR, etc.

1010

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like JOSI, MDVR, CHTO, ATE, etc.









19d 22h

Table of astronomical observations for 19d 22h, listing objects like E28M Babbage River, E29M Blow River, L29M L29M, etc., with columns for object name, magnitude, position, and time.

2020 OCT

Table of astronomical observations for 2020 OCT, listing objects like ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, etc., with columns for object name, magnitude, position, and time.

1014

Table of astronomical observations for 1014, listing objects like NRCA Norcia, NRCA Norcia, NRCA Norcia, etc., with columns for object name, magnitude, position, and time.

AEIC 19.21:59.58.72.7.54:19N.0:08-15.97:56W.0:06, h36km,9km, Error ellipse: s-maj=11.9km s-min=4.2km az=163.0 NEIC 19.21:59.59.6.2.1.54:27N.0:08-15.91:57W.0:10, h23km,8km, mb3.8/10,ML3.9/26,ML3.5(AEIC), Error ellipse: s-maj=11.5km s-min=7.5km az=159.0, South of Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations and their observation details.

NOU 19.22:00:17.1, 41:02S:174.76E, h46km, MLV3.6/14, Cook Strait, New Zealand WEL 19.22:00:17.6, 0.5, 41 S, 174.76 E, h44km, 5km, M2.5/19, ML2.5/16, MLV2.5/19, Error ellipse: s-maj=4.9km s-min=4.1km az=145.3, confirmed

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations for the New Zealand observations.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like WEL, SNZO, OGWZ, TOR, etc.

Station coordinates and metadata: IDC 19 22:00:50.5-5.6, 54.40N, 161.00W, h0km, mb3.7/3, bmtmp3.97, ML4.2/4, Error ellipse: s-maj=88.7km...

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like CNBA, CHNA, SDPT, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like P16K, O15K, O15K, etc.

Station coordinates and metadata: IDC 19 22:05:13.5-0.9, 54.34N, 159.83W, h0km, mb4.1/17, bmtmp4.1/21, ML4.0/4, Error ellipse: s-maj=23.0km...

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like YKA, NVAR, BLKN, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like CNBA, SDPT, SDPT, etc.

Station coordinates and metadata: IDC 19 22:05:16.8-2.9, 54.18N, 0.015-159.77W, h0.09, h17km, 5km, mb4.1/26, ML3.8/19, ML3.5(AEIC), Error ellipse: s-maj=8.0km...

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like ILAR, J25K, P29M, etc.

19d 22h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like G30M, C26K, F30M, INK, YKA, PETK, etc.

2020 OCT

Table with columns: SDPT, Sand Point, 0.80 314, Pn, Sn, Time, Res, ISC. Includes stations like SDPT, VNSG, VNHG, etc.

1016

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ILAR, M27K, O28M, etc.

IDC 19 22:11:07.6:0.8,54.87N:160.00W,h0km,mb4,1/26, mbmp4,1/30,ML4,1/4, Error ellipse: s-maj=19.9km s-min=10.8km az=174.0

NEIC 19 22:11:11.1:2.3,54.60N:0.03:159.69W:0.03,h30km,5km, M3.4/52,ML4.3/36,ML4.0(AEIC), Error ellipse: s-maj=4.6km s-min=2.2km az=188.0

AEIC 19 22:11:11.1:3.3,54.54N:0.03:159.63W:0.07,h12km,2km, Error ellipse: s-maj=5.6km s-min=3.6km az=83.0

ISC 19 22:11:11.7:0.5,54.63N:0.07:159.63W:0.04,h35km, #228, #152/220,mb4,4/7,1,C, South of Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CNBA, CHIR, ANPB, etc.



Code	Station Name	°	AZ	Phase ID	Time	Res
014K	comp=E,342nm,1.1s			IAML	22 13 57.4	
KARR	comp=N,375nm,1.1s	4.74	33	Pn	22 12 21.1 +0.5	
019K	Katmai Rainbow	4.77	30	Pn	22 12 21.1 +0.6	
KAHG	Katmai Hoop Gl	4.79	34	Pn	22 12 21.7 +0.4	
P17K	Kvichak River	4.90	20	Pn	22 12 24.7 +1.9	
KDAK	Kodiak Island	5.05	48	Pn	22 12 24.6 -0.2	
KDAK	comp=N,7.2nm,0.3s,baz=25,slow=1.9,SNR=19			Sn	22 13 19.5 -2.4	
KDAK	comp=N,7.2nm,0.3s,baz=22,slow=18,SNR=5.6			Sn		
KDAK	comp=N,18nm,0.3s			Sn		
KDAK	Kodiak Island	5.05	48	Pn	22 12 23.9 -0.9	
KDAK	comp=N,167nm,4.5s			IAML	22 14 00.8	
KDAK	comp=N,172nm,5.0s			IAML	22 14 08.5	
016K	Kokwok River B	5.05	9	Pn	22 14 26.5 +1.7	
016K	comp=E,172nm,0.8s			IAML	22 14 13.3	
P18K	Big Mountain	5.35	25	Pn	22 12 29.4 +0.4	
Q19K	Cape Douglas	5.42	35	Pn	22 12 31.3 +1.3	
N14K	Kuskokwak Cree	5.43	349	Pn	22 12 30.7 +0.7	
018K	Koktukuk River	5.75	23	Pn	22 12 36.1 +1.4	
AUI	Augustine Isla	5.81	33	Pn	22 12 36.0 +0.7	
N16K	Nishlik Lake	5.88	4	Pn	22 12 37.6 +1.3	
N17K	Nushagak Hills	6.06	12	Pn	22 12 39.7 +1.0	
N18K	Kilae Creek	6.39	17	Pn	22 12 43.4 +0.1	
ILSW	Iliamna Ski Ar	6.42	31	Pn	22 12 43.4 +0.7	
ILS	Iliamna Low So	6.42	31	Pn	22 12 44.4 +0.7	
IVE	Iliamna Volcan	6.48	31	Pn	22 12 45.1 +0.5	
SPIA	Saint Paul Isl	6.49	297	P	22 12 46.0 +1.4	
CNPM	China Poot	6.71	40	Pn	22 12 47.5 -0.2	
N19K	Bonanza Creek	6.79	22	Pn	22 12 50.2 +1.5	
RED	Redoubt Volcan	6.82	30	Pn	22 12 50.4 +0.4	
M17K	Holtina River	6.89	9	Pn	22 12 50.4 +0.3	
RDSO	Redoubt South	6.92	30	Pn	22 12 51.2 +0.6	
NCT	North Crescent	6.95	28	Pn	22 12 51.8 +0.8	
DFR	Drift River	7.05	29	Pn	22 12 52.8 +0.5	
RDT	Redoubt Ski Ar	7.11	30	Pn	22 12 53.4 +0.2	
M18K	Stony River	7.17	15	Pn	22 12 54.8 +0.8	
L17K	Donlin	7.56	5	Pn	22 12 59.5 +0.2	
SLKM	Skilak Lake	7.76	37	Pn	22 13 02.5 +0.4	
SEW	Seward	7.77	41	Pn	22 13 01.5 -0.6	
L18K	Granite Mount	7.77	10	Pn	22 13 02.4 +0.3	
K19K	Kusilvak Mount	7.79	342	Pn	22 13 02.7 +0.5	
M19K	Big River Lodg	7.80	19	Pn	22 13 03.1 +0.5	
Q22K	Cooper Landing	7.92	38	Pn	22 13 04.4 +0.2	
L19K	White Mountain	7.98	16	Pn	22 13 06.2 +1.1	
K17K	Iditarod	8.14	4	Pn	22 13 07.9 +0.7	
SUA	Susitna One	8.31	31	Pn	22 13 09.1 -0.6	
SUA	Rabbit Creek A	8.45	35	Pn	22 13 08.7 +0.5	
L20K	Farewell, AK	8.43	19	Pn	22 13 12.1 +0.9	
PWL	Port Wells	8.68	39	Pn	22 13 12.9 -1.8	
J16K	Anvik River	8.70	357	Pn	22 13 16.1 +1.2	
PMR	Palmer	8.91	34	Pn	22 13 16.6 -1.2	
KNK	Knik Glacier	9.01	37	Pn	22 13 18.8 -0.4	
ATKA	Atka Island	9.03	20	Pn	22 13 20.1 +0.7	
PPLA	Purkeypile	9.14	22	Pn	22 13 23.5 +2.4	
I17K	Unalakleet	9.30	357	Pn	22 13 24.4 +1.3	
SML	Sawmill	9.34	35	Pn	22 13 23.1 -0.5	
EYAK	Cordova Ski Ar	9.52	46	Pn	22 13 25.2 -0.8	
EYAK	Castle Rocks	9.61	37	Pn	22 13 26.1 +0.5	
CAST	Castle Rocks	9.63	21	Pn	22 13 28.6 +1.0	
SCM	Sheep Creek Mo	9.70	37	Pn	22 13 27.4 -1.2	
DIV	Divide	9.83	43	Pn	22 13 29.3 -1.1	
RAGM	Ragged Mountain	9.89	48	Pn	22 13 30.4 -0.9	
J20K	Novitka River	9.97	14	Pn	22 13 33.5 +1.2	
TRF	Thorofak Mount	10.05	34	Pn	22 13 34.7 +1.0	
BMRM	Bremner River	10.22	45	Pn	22 13 35.2 -0.5	
BERG	Berg Lake	10.32	50	Pn	22 13 36.9 -0.2	
ADK	Adak	10.58	262	Pn	22 13 42.7 +2.1	
GLB	Gilahina Butte	10.79	44	Pn	22 13 43.1 -0.5	
KIWB	Kanaga Island	10.82	262	Pn	22 13 43.9 -0.5	
H19K	Roundout Mou	11.03	35	Pn	22 13 46.4 -0.6	
PAXN	Paxson	11.11	35	Pn	22 13 48.7 +0.8	
LOGN	Logan Glacier	11.71	50	Pn	22 13 55.8 -0.4	
IMAR	Indian Mountain	11.75	12	Pn	22 13 57.4 +0.8	
ILAR	Eielson Array	12.01	27	Pn	22 13 57.7 -2.4	
ILAR	comp=N,0.3s,baz=21,slow=19,SNR=7.0			Sn		
ILAR	comp=E,0.9nm,0.5s			Sn		
ILAR	Eielson Array	12.01	27	Pn	22 13 58.4 -1.7	
PNL	Peninsula	12.07	57	Pn	22 14 02.9 +1.9	
F19K	Shalereukik Mo	12.28	3	Pn	22 14 04.4 +0.4	
J25K	Salcha River	12.31	30	Pn	22 14 02.4 -1.8	
BAKR	Beaver Creek A	12.48	40	Pn	22 14 05.0 -1.6	
AMKA	Amchitka	13.09	264	Pn	22 14 13.6 -1.3	
M29M	Somme Creek	13.49	46	Pn	22 14 20.2 -0.2	
N30M	Aishikik Lake	13.71	51	Pn	22 14 23.9 -0.3	
L29M	L29M	13.93	44	Pn	22 14 26.3 -0.1	
D19K	Kuna River	13.94	2	Pn	22 14 30.1 +3.6	
BESE	Bessie Mountain	14.17	64	Pn	22 14 30.7 +0.9	
JIS	Juneau Island	14.39	65	Pn	22 14 34.3 +1.7	
G26K	Porcupine River	14.51	25	Pn	22 14 32.4 -1.8	
I28M	Miner Creek	14.54	34	Pn	22 14 33.7 -1.3	
BMAR	Burnt Mountain	14.70	23	Pn	22 14 36.1 -0.8	
P32M	Atlin	14.88	60	Pn	22 14 41.2 +2.0	
J29M	Ogilvie Camp	15.05	36	Pn	22 14 42.2 +0.7	
I30M	Hart River	15.34	40	IAMB	22 15 19.4	
P33M	Teslin, Yukon	15.42	58	Pn	22 14 48.6 +2.2	
H29M	Whitestone	15.55	33	IAMB	22 15 12.9	
Q32M	Nakina River	15.55	63	Pn	22 14 49.9 +1.7	
I30M	Mount Dempster	15.65	38	IAMB	22 15 02.2	
R33M	Jennings River	16.25	61	Pn	22 14 58.6 +1.5	
H31M	Peel River	16.68	38	IAMB	22 15 06.8	
DLBO	comp=1.9nm,0.9s			Pn	22 15 03.5 +0.8	
DLBO	comp=2.0,5nm,0.3s,baz=25f,slow=15,SNR=5.9			Sn		
DLBO	comp=2.3,3nm,0.8s			Sn		
DLBO	comp=2.4,3nm,0.8s			Sn		
E29M	Blow River	17.11	28	Pn	22 15 07.6 0.0	
F30M	Barrier River	17.21	32	IAMB	22 15 25.1	
INK	Inuvik	18.31	31	P	22 15 21.4 -0.9	
INK	comp=2.0,8nm,0.3s,baz=236,slow=12,SNR=9.3			P		
INK	comp=2.7,5nm,0.8s			P		
INK	Inuvik	18.31	31	P	22 15 21.8 -0.5	
C36M	Paulatuk	21.80	34	IAMB	22 16 00.1 -0.2	
C36M				IAMB	22 16 16.5	
YKA	Yellowknife Ar	24.30	53	P	22 16 27.0 +1.5	
YKA	comp=2.0,6nm,0.5s,baz=268,slow=6.7,SNR=5.1			P		
YKA	Yellowknife Ar	24.30	53	P	22 16 25.8 +0.3	
PEA0B	Petrodavovsk-	24.93	284	P	22 16 30.4 -0.8	
PETK	Petrodavovsk-	24.93	284	P	22 16 30.8 -0.4	
PETK	comp=2.18nm,0.5s,baz=75,slow=13,SNR=40			P		
PETK	comp=2.18nm,0.5s			P		
HOOD	Mount Hood Mea	25.85	95	P	22 16 31.3 +0.1	
GBMT	Granite Butte	30.34	85	P	22 16 40.8 +1.0	
GBMT	comp=2.17,5nm,0.8s			IAMB	22 17 17.7 +1.7	
GBMT	comp=2.3,4nm,0.8s			IAMB	22 17 54.7	
MCMT	McKenzie Canyo	31.25	89	P	22 17 29.6 +1.6	
NVAR	Minna Array Bea	32.16	103	P	22 17 39.5 +3.4	
NVAR	comp=2.0,2nm,0.3s,baz=300,slow=8.8,SNR=8.3			P		
NVAR	Minna Array Bea	32.16	103	P	22 17 36.3 +0.2	
ELK	Eiko	32.37	97	P	22 17 41.3 +3.4	
ELK	comp=2.0,4nm,0.4s,baz=301,slow=11,SNR=4.3			P		
ELK	Eiko	32.37	97	IAMB	22 17 50.4	
YHH	Holmes Hill	32.43	87	P	22 17 40.7 +2.2	
PDAR	Pinedale Array	34.39	89	P	22 17 57.9 +2.4	
PDAR	comp=2.0,3nm,0.5s			P		
O20A	White River Ci	36.82	92	P	22 17 57.1 +1.6	
O20A	comp=2.0,3nm,0.5s			IAMB	22 18 28.0	
PV15	Paradox Valley	37.87	94	P	22 18 26.5 +1.2	
PV15	comp=2.4,6nm,0.8s			IAMB	22 18 37.0	
EYMN	Ely	41.60	70	P	22 18 56.4 +0.5	
EYMN	comp=2.6,3nm,0.8s			IAMB	22 19 08.4	

Code	Station Name	°	AZ	Phase ID	Time	Res
H112N	WAKE ISLAND Hy 43.12 229			T	23 05 01.7	
H112N	comp=2.0,3nm,0.6s,baz=28,slow=76,SNR=6.5			T		
H113N	WAKE ISLAND Hy 43.12 229			T	23 05 01.4	
H113N	comp=2.0,3nm,0.6s,baz=28,slow=76,SNR=6.5			T		
H111N	WAKE ISLAND Hy 43.13 229			T	23 05 03.4	
H111N	comp=2.0,3nm,0.6s,baz=28,slow=76,SNR=6.5			T		
H1151	WAKE ISLAND Hy 44.28 229			T	23 06 43.7	
H1151	comp=2.0,3nm,0.6s,baz=28,slow=76,SNR=6.5			T		
H1152	WAKE ISLAND Hy 44.29 229			T	23 06 49.8	
H1152	comp=2.0,3nm,0.6s,baz=28,slow=76,SNR=6.5			T		
H1153	WAKE ISLAND Hy 44.30 229			T	23 06 47.5	
H1153	comp=2.0,3nm,0.6s,baz=28,slow=76,SNR=6.5			T		
MAJO	Matsushiro	45.49	273	P	22 19 27.7 +0.3	
MIJAR	Matsushiro Arr	45.49	273	P	22 19 26.9 -0.5	
MIJAR	comp=2.2,7nm,0.5s,baz=36,slow=6.0,SNR=12			P		
MIJAR	comp=2.2,7nm,0.5s			P		
MIJAR	Matsushiro Arr	45.49	273	P	22 19 27.4 +0.1	
MIJAR	comp=2.2,7nm,0.5s			IAMB	22 19 29.1	
MIJBS	Matsu-Tunnel	45.49	273	P	22 19 28.5 +1.1	
ILULI	Lullissat	46.05	28	P	22 19 33.2 +1.9	
JGF	Kuroka	46.64	273	P	22 19 36.3 -0.2	
TXAR	Lajitak Array	47.10	99	P	22 19 42.3 +2.1	
TXAR	comp=2.0,3nm,0.6s,baz=309,slow=7.0,SNR=9.0			P		
TXAR	Lajitak Array	47.10	99	P	22 19 41.4 +1.2	
NRIR	Noril'sk	47.11	333	P	22 19 38.9 -0.8	
NR						



Table with columns for station ID, name, coordinates, and status. Includes stations like CHNA Chernabura Isl, SDPT Sand Point, and various other locations.

Table with columns for station ID, name, coordinates, and status. Includes stations like GHO Glory Hole Cre, GLI Glacier Island, and various other locations.

Table with columns for station ID, name, coordinates, and status. Includes stations like PV05 Paradox Valley, PV07 Paradox Valley, and various other locations.

19d 22h

Table with columns for station name, elevation, frequency, and other parameters. Includes stations like NB2 NORSAR Subarra, NOA NORSAR Array B, NC602 NORSAR Array S, etc.

2020 OCT

Table with columns for station name, elevation, frequency, and other parameters. Includes stations like KBZ Khabaz, MLR Muntele Ros, LOT Lotru, etc.

1020

Table with columns for station name, elevation, frequency, and other parameters. Includes stations like M15K Kasigluk River, N18K Kilae Creek, M16K Timber Creek, etc.

ADC 19:22:28.00.0.0.6.54.28Nk.159.59W, h0km, mb.4.2/33, mtdmp4.2/38, ML.4.1/5, Error ellipse: s-maj=16.8km

NEIC 19:22:28.02.9.0.54.25N.0.04.159.76W.0.08, h19km, 1km, mb.4.5/10, ML.4.3/32, ML.4.2(AE/C), Error ellipse: s-maj=7.4km s-min=6.1km az=121.0

AEIC 19:22:28.05.4.1.8.54.25N.0.06.159.89W.0.08, h31km, 3km, Error ellipse: s-maj=8.9km s-min=6.8km az=162.0

ISC 19:22:28.01.1.0.4.54.19N.0.06.159.82W.0.04, h10km, n316, s1908/292, mb.4.5/91, Station of Alaska

Table with columns for Code, Station Name, Az, Phase ID, Time, Res, h, s, ISC. Lists various station codes and their corresponding parameters.

Table with columns for station name, elevation, frequency, and other parameters. Includes stations like ILAR Eielson Array, ILAR Dolar, ILAR Tolok Lake, etc.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AKUT, LVA, UNV, OHAK, ACHA, KDKAK, Q19K, N15K, O18K, M16K, CNPM, M17K, SEW, K13K, STLK, SUA, R10K, P23K, PWL, HIN, GHO, VRI, EYAK, KAIM, KLU, BMRM, BERG, KIWB, MESA, YAH, GRNC, BARN, K24K, PCA, RIDG, O28M, M27K, IL3, J25K, O29M, P29M, H29M, S31K, M29M, N30M, L29M, BESE, S32K, R32K, D20K, WHY, P32M, I29M, P33M, J30M, Q32M, H29M, I30M, G29M, EPYK, H31M, G30M, F30M.

AEIC 19 22:34:48.1z 1.54:60N:0:06:159:67W:0:08, h2km,2km, Error ellipse: s-maj=10.7km s-min=4.0km az=114.0 NEIC 19 22:34:47.6z 0.9:54:58N:0:04:159:69W:0:08, h20km,5km, ML3.7/8,(A)EIC, Error ellipse: s-maj=7.9km s-min=3.1km az=49.0, South of Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CNBA, SDPT, VNSW, PN7A, VNSG, S12K, CHGN, ACHA, M17K, K13K, PWL, HIN, EYAK, KAIM, KIWB, TGL, CHGN, P33M, H29M, I30M, G29M, EPYK, H31M, G30M, F30M.

AEIC 19 22:35:53.0z 1.9:54:56N:0:04:159:70W:0:07, h21km,6km, Error ellipse: s-maj=7.9km s-min=2.8km az=47.0 NEIC 19 22:35:54.3z 1.4:54:70N:0:07:159:70W:0:05, h24km,gkm, mb3.5/3,ML3.3/10,ML3.2(A)EIC, Error ellipse: s-maj=11.1km s-min=2.6km az=197.0, South of Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CNBA, SDPT, VNSW, PN7A, VNSG, S12K, CHGN, ACHA, M17K, K13K, PWL, HIN, EYAK, KAIM, KIWB, TGL, CHGN, P33M, H29M, I30M, G29M, EPYK, H31M, G30M, F30M.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CHIR, ACHA, OHAK, KDKAK, CNPM, BRLL, RC01, PWL, HIN, FID, SCM, KAIM, SUC, BERG, GLB, TGL, YAH, GRNC, TABL, M26K, O28M, J25K, BCAR, P29M, S31K, M29M, BESE, S32K, WHY, P32M, H31M, G30M, F30M.

AEIC 19 22:36:45.0z 2.7:54:57N:0:04:159:84W:0:08, h7km,6km, Error ellipse: s-maj=6.4km s-min=5.2km az=103.0 NEIC 19 22:36:44.7z 0.9:54:50N:0:07:159:70W:0:10, h21km,12km, mb3.7/9,ML3.7/26,ML3.5(A)EIC, Error ellipse: s-maj=10.6km s-min=7.7km az=153.0, South of Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CNBA, SDPT, VNSW, PN7A, VNSG, S12K, CHGN, ISN1, SSBA, CHIR, WTUG, AKUT, LVA, UNV, ACHA, OHAK, P16K, O15K, KDKAK, N15K, M13K, ILSW, CNPM, M17K, L14K, K13K, SUA, PWL, HIN, FID, EYAK, SCM, RAGM, SUC, BERG, WAX, TGL, YAH, GRNC, M26K, RIDG, O28M, L27K, O29M, P29M, S31K, M29M, D19K, I27K, D20K, I28M, P32M, I29M, J30M, P33M, H29M, I30M, G29M, EPYK, H31M, G30M, F30M.

AEIC 19 22:37:05.7z 1.0:43:17N:0:03:78:73E:0:02, h8km,gkm, n18,,c0889:68,8C-8D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like UZB, UZB, UZB, SATY, SATY, SATY, SATY, KPKS, KURS, SHLS, SHLS, PDGK, PDGK, PRZ, ANVS, ANVS, KOTS, KOTS, KDJ, KDJ, KTBS, KTBS, TARG, TARG, ULHL, ULHL, BOOM, BOOM, KRBS, KRBS, NRN, NRN, IDC, NEIC, ACHA, OHAK, P16K, O15K, KDKAK, N15K, M13K, ILSW, CNPM, M17K, L14K, K13K, SUA, PWL, HIN, FID, EYAK, SCM, RAGM, SUC, BERG, WAX, TGL, YAH, GRNC, M26K, RIDG, O28M, L27K, O29M, P29M, S31K, M29M, D19K, I27K, D20K, I28M, P32M, I29M, J30M, P33M, H29M, I30M, G29M, EPYK, H31M, G30M, F30M.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like UZB, SATY, KPKS, KURS, SHLS, PDGK, PRZ, ANVS, KOTS, KDJ, KTBS, TARG, ULHL, BOOM, KRBS, NRN, IDC, NEIC, ACHA, OHAK, P16K, O15K, KDKAK, N15K, M13K, ILSW, CNPM, M17K, L14K, K13K, SUA, PWL, HIN, FID, EYAK, SCM, RAGM, SUC, BERG, WAX, TGL, YAH, GRNC, M26K, RIDG, O28M, L27K, O29M, P29M, S31K, M29M, D19K, I27K, D20K, I28M, P32M, I29M, J30M, P33M, H29M, I30M, G29M, EPYK, H31M, G30M, F30M.

IDC 19 22:38:11.0z 0.8:54:56N:159:86W, h0km, mb4.0/23, mbmp4.1/27, ML4.5/4, Error ellipse: s-maj=2.1km s-min=1.1km az=178.0 NEIC 19 22:38:13.4z 2.2:54:33N:0:05:159:63W:0:08, h22km,5km, mb4.3/51,ML4.1/32,ML3.8(A)EIC, Error ellipse: s-maj=7.9km s-min=6.3km az=148.0 ACHA 19 22:38:14.9z 2.2:54:34N:0:05:159:60W:0:08, h21km,5km, Error ellipse: s-maj=8.1km s-min=6.5km az=156.0 NEIC 19 22:38:12.0z 0.6:54:39N:0:06:159:57W:0:04, h10km, n188,,c119/182,mb4.3/35, South of Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CNBA, SDPT, VNSW, PN7A, VNSG, S12K, CHGN, ISN1, SSBA, CHIR, WTUG, AKUT, LVA, UNV, ACHA, OHAK, P16K, O15K, KDKAK, N15K, M13K, ILSW, CNPM, M17K, L14K, K13K, SUA, PWL, HIN, FID, EYAK, SCM, RAGM, SUC, BERG, WAX, TGL, YAH, GRNC, M26K, RIDG, O28M, L27K, O29M, P29M, S31K, M29M, D19K, I27K, D20K, I28M, P32M, I29M, J30M, P33M, H29M, I30M, G29M, EPYK, H31M, G30M, F30M.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like 018K Koktuh Hills, 020K Slope Mountain, 022K Atlin, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H11S2 WAKE ISLAND Hy 44.16 229 T, H11S3 WAKE ISLAND Hy 44.7 229 T, H2A Draeger Farm, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like G30M tAoh Zraii Nji, G30M comp=Z,6.0nm,1.1s, AEIC 19 22:42:28.4z,2.7,54:53N,0.08:159:57W, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WAKE ISLAND Hy, Lajitas Array, NRIK, etc.

SSNC 19 23:01:47.9-1.6, 19 10N-80.28W, h26km, 17km, MD2.7, ML2.2, Presumed earthquake
JSN 19 23:01:51.4-0.6, 19 11N-79.72W, h15km, 999km, Presumed earthquake
ISC 19 23:01:43.5-1.2, 18 93N-0.07-80.22W, 0.05, h10km, n9, e237/15, North of Honduras

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Frank Sound, G, CVJ, etc.

IDC 19 23:04:19.7-0.8, 54.73N-159.89W, h0km, mb4.1/24, mbmp4.1/28, ML3.8/4, MS5.5/1, Error ellipse:
NEIC 19 23:04:23.5-0.4, 54.54N-159.66W, 0.06, h27km, 5km, mb4.2/25, ML4.3/30, ML4.1(AEIC), Error ellipse:
AEIC 19 23:04:23.8-0.3, 54.53N-159.59W, 0.08, h12km, 4km, Error ellipse:
ISC 19 23:04:20.7-0.5, 54.51N-159.57W, 0.04, h10km, n65, e133/153, mb4.3/29, South of Alaska

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Chernabura Isl, Sand Point, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Granite Creek, Donnelly Dome, etc.

19d 23h

ESDC Sonseca Array 83.88 19 P P 23 16 50.6 +0.3
comp=2.0,6nm,0.7s,baz=341,slow=4.9,SNR=4.7
comp=2.0,6nm,0.7s
GSPA South Pole Qu 144.28 180 PKP PKPab 23 23 53.4 0.0
comp=2.1,2nm,0.9s,baz=102,slow=1.3,SNR=3.7

AEIC 19 23:09:38.21.0.54;40N.0.05:159.70W.0.07,h0km,4km,
Error ellipse: s-maj=7.2km s-min=5.6km az=206.0
NEIC 19 23:09:39.7.0.8,54.50N.0.05:159.77W.0.05,
h22km,10km,ML3.5/8,ML3.3(AEIC),Error ellipse:
s-maj=8.1km s-min=1.3km az=208.0, South of Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include CNBA Chernabura Isl, SDPT Sand Point, VNKR Veniaminof 5, etc.

IDC 19 23:11:52.9.2.1,54.47N.0.159.74W,h0km,mb3.8/3,
mbmp3.6/5,ML2.9/2,Error ellipse: s-maj=38.5km
s-min=24.5km az=161.0
AEIC 19 23:11:54.5.3.4,54.28N.0.169.62W.0.06,h34km,6km,
Error ellipse: s-maj=9.7km s-min=3.7km az=159.0

NEIC 19 23:11:57.1.1.6,54.42N.0.169.73W.0.09,h30km,7km,
mb3.7/8,ML3.3/20,ML3.2(AEIC),Error ellipse:
s-maj=8.1km s-min=6.3km az=108.0
ISC 19 23:11:57.1.1.0,54.39N.0.169.67W.0.06,h35km,n67,
s131/65,mb4.0/3, South of Alaska

Main table for 19d 23h section, listing station codes, names, and coordinates. Rows include CNBA Chernabura Isl, SDPT Sand Point, VNKR Veniaminof 5, etc.

2020 OCT

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include H11S1 WAKE ISLAND Hy 44.11 229 T T 00 07 14.2, H11S2 WAKE ISLAND Hy 44.12 229 T T 00 07 20.8, etc.

IDC 19 23:14:04.3.0.9,35.90N.25.35E,h0km,mb3.7/5,
mbmp3.5/9,ML2.8/3,Error ellipse: s-maj=21.7km
s-min=13.8km az=133.0
ATH 19 23:14:06.5.0.9,36.09N.25.30E,h16km,1km,ML3.5/17,
Latitude uncertainty: 0 km; Longitude uncertainty: 1 km
ISK 19 23:14:07.6.36.01N.25.23E,h18km,ML3.3/20
THE 19 23:14:07.6.36.01N.25.23E,h15km,1km,ML3.2/43,
ML3.2/43

AFAD 19 23:14:08.3.36.37N.25.30E,h7km,2km,ML2.8
ISC 19 23:14:06.5.0.9,36.09N.0.02.25.29E.0.02,h16km,6km,
n128,s121/156,mb3.7/4,Dodecanese Islands

Main table for 2020 OCT section, listing station codes, names, and coordinates. Rows include THR9 Santorini-Faro, THR6 Thira Island, THRA Ancient Thera, etc.

1026

Main table for 1026 section, listing station codes, names, and coordinates. Rows include KARY Karystos, KARY Karystos, DDIM Aydin, Didim, etc.



19d 23h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like AKASG Malin Array Be, KIEV Kiev, PVCC Panska Ves, etc.

AEIC 19 23:37:40.9 ± 1.5, 54.43N, 0.106:159:6W ± 0.1, h22km, 8km, Error ellipse: s-maj=9.3km s-min=8.6km az=98.0

NEIC 19 23:37:41.6 ± 1.2, 54.45N, 0.04:159:7W ± 0.04, h21km, 11km, ML3.6, ML3.3(AEIC), Error ellipse: s-maj=5.5km s-min=3.0km az=201.0, South of Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CNBA Chernabura Isl, SDPT Sand Point, etc.

NEIC 19 23:38:08.9 ± 1.9, 54.3N, 0.1:158:29W ± 0.09, h16km, 10km, mb3.9/7, ML3.7/24, Error ellipse: s-maj=20.9km s-min=7.2km az=176.0

IDC 19 23:38:10.2 ± 2.5, 42N:158:42W, h0km, mb3.8/6, mbmp3.7/9, ML3.1/3, Error ellipse: s-maj=139.2km s-min=21.7km az=154.0

ISIC 19 23:38:12.6 ± 1.4, 54.7N, 0.02:158:32W ± 0.08, h10km, n59, 1521/56, mb3.9/6, South of Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CNBA Chernabura Isl, SDPT Sand Point, etc.

2020 OCT

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like OHAK Old Harbor, ACHA Angle Creek, KDAK Kodiak Island, etc.

IDC 19 23:38:45.2 ± 1.8, 54.4:40N:159:96W, h0km, mb4.0/4, mbmp3.9/7, ML3.7/3, Error ellipse: s-maj=33.9km s-min=22.6km az=164.0

NEIC 19 23:38:54.1 ± 1.1, 54.66N, 0.09:159:6W ± 0.1, h53km, 4km, mb3.8/6, ML3.8/12, Error ellipse: s-maj=13.7km s-min=9.7km az=172.0

ISIC 19 23:38:51.7 ± 1.1, 54.53N, 0.1:159:51W ± 0.08, h35km, n38, 1523/40, mb4.2/5, South of Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CNBA Chernabura Isl, SDPT Sand Point, etc.

1028

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like F30M Barrier River, INK Inuvik, INK C36M Paulutuk, etc.

AEIC 19 23:40:33.0 ± 1.2, 54.56N, 0.0:159:6W ± 0.1, h23km, 7km, Error ellipse: s-maj=11.8km s-min=5.3km az=112.0

NEIC 19 23:40:34.6 ± 0.2, 54.56N, 0.06:159:73W ± 0.06, h23km, 12km, ML2.6(AEIC), Error ellipse: s-maj=9.6km s-min=4.0km az=204.0, South of Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CNBA Chernabura Isl, CNBA Chernabura Isl, etc.

IDC 19 23:40:59.4 ± 0.8, 54.7:11N:160:00W, h0km, mb4.1/29, mbmp4.1/34, ML4.3/5, Error ellipse: s-maj=20.5km s-min=10.9km az=170.0

AEIC 19 23:41:01.7 ± 2.7, 54.35N, 0.04:159:59W ± 0.07, h14km, 3km, Error ellipse: s-maj=6.7km s-min=5.4km az=129.0

NEIC 19 23:41:02.4 ± 1.9, 54.47N, 0.05:159:70W ± 0.05, h27km, 4km, mb4.5/58, ML4.7/36, ML4.5(AEIC), Error ellipse: s-maj=7.2km s-min=3.6km az=202.0

ISIC 19 23:40:59.0 ± 0.5, 54.41N, 0.05:159:62W ± 0.04, h10km, n241, 1521/223, mb4.4/47, 3C-6D, South of Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CNBA Chernabura Isl, SDPT Sand Point, etc.

WESN West Dahl Nort 2.90 275 Pn 23 41 46.4 +0.4

WESN WESN 2.31 280 Pn 23 41 46.8 -4.8

R16K Pilot Point 3.37 19 Pn 23 41 52.0 -0.5

R16K AKUT 3.62 268 Pn 23 41 57.4 +1.5

R17L Mt. Peulik V 3.71 28 Pn 23 41 58.6 +1.4

UNV Unalaska Valle 4.09 265 Pn 23 42 01.9 -0.5

UNV Unalaska Valle 4.09 265 Pn 23 42 02.1 -0.3

IMAT Makushin Natee 4.19 266 Pn 23 42 03.5 -0.3

Q17K Contact Creek 4.38 27 Pn 23 42 06.7 +0.2

ACHA Angle Creek 4.44 29 Pn 23 42 07.9 +0.7

ACHA Angle Creek He 4.50 30 Pn 23 42 09.1 +1.1

OHAK Old Harbor 4.55 49 Pn 23 42 08.3 -0.3

OHAK Old Harbor 4.55 49 Pn 23 42 09.7 +0.8





19d 23h

Table with columns: Station ID, Name, Frequency, Power, Class, Direction, Date, Time, and other details. Includes stations like YKAW1, D05A, PETK, etc.

2020 OCT

Table with columns: Station ID, Name, Frequency, Power, Class, Direction, Date, Time, and other details. Includes stations like ECSD, ANMO, YEMM, etc.

1030

Table with columns: Station ID, Name, Frequency, Power, Class, Direction, Date, Time, and other details. Includes stations like G62A, ULN, V53A, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like DPC Dobruska-Polom, KRCL Kraliky, PRU Pruhonice, etc.

Table with columns: CHGN, IAML, Time, Residual. Includes stations like BPRCA Veniaminof, ISNN Isanotski Nort, SSIN Shishaldin Nor, etc.

Table with columns: THN, eS, Sn, Time, Residual. Includes stations like DHARM DHARAMSHALA, SMLA Simla, KLP Kalpa, etc.

IDC 19 23:48:19.9, 1.2, 54.45N; 160.06W, h0km, mb4.0/16, mbmp4.0/19, ML3.6/3, Error ellipse: s-maj=30.3km s-min=18.7km az=169.0

AEIC 19 23:48:23.4, 1.1, 54.33N; 0.05:159.70W; 0.10, h26km, 6km, Error ellipse: s-maj=10.0km s-min=5.8km az=132.0

NEIC 19 23:48:24.4, 0.8, 54.40N; 0.06:159.63W; 0.12, h20km, 7km, ML3.8/10, ML3.7(AEIC), Error ellipse: s-maj=8.7km s-min=3.4km az=191.0

ISC 19 23:48:21.2, 0.7, 54.34N; 0.07:159.74W; 0.04, h10km, n45, 1920/42, mb4.2/16, South of Alaska

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like CNBA Chernabura Isl, SDPT Sand Point, etc.

IDC 19 23:52:11.9, 2.0, 38.01N; 70.16E, h0km, mb3.9/9, mbmp4.0/17, ML3.6/8, Error ellipse: s-maj=37.0km s-min=11.9km az=145.0

NNC 19 23:52:17.6, 4.0, 38.30N; 70.20E, h8km, 16km, mb4.7, mpv4.3, Error ellipse: s-maj=27.4km s-min=20.5km az=25.0

ISC 19 23:52:14.6, 0.6, 38.08N; 0.06:70.03E; 0.07, h12km, n40, 1924/46, mb3.9/8, 2C-3D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like IUG Iuzhnyy, KK31 Karatay Array, etc.

CATAC 19 23:54:21.5, 0.4, 7.7N; 4.7W, h10km, M3.4/7, mb3.6/1, ML3.2/3, MLV3.4/7, confirmed

RSNC 19 23:54:21.6, 0.0, 7.7N; 1.7W, h2km, 3km, M2.5, ML2.3, ISC 19 23:54:19.1, 1.4, 7.09N; 0.03:7.14W; 0.03, h2km, 12km, n27, r123/41, Northern Colombia

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like VMM07 Puerto Wilches, BRJC Barrancabermej, etc.

AEIC 19 23:56:44.9, 1.7, 54.51N; 0.04:159.70W; 0.09, h8km, 6km, Error ellipse: s-maj=7.5km s-min=5.4km az=74.0

NEIC 19 23:56:45.4, 1.2, 54.57N; 0.05:159.70W; 0.09, h22km, 10km, mb3.8/7, ML3.6/30, ML3.5(AEIC), Error ellipse: s-maj=8.7km s-min=2.0km az=154.0, South of Alaska

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like CNBA Chernabura Isl, SDPT Sand Point, etc.









Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DAWY Dawson, BESE Bessie Mountain, S32K Killisnoo, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NEIC 20 00:18:03.8,2.5,54:38N,0:03:159:65W, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KDAK comp=E,99nm,1.0s, KDAK comp=E,119nm,1.1s, etc.

IDC 20 00:09:45.2,-1.4,54:62N:159:89W, h0km, mb3.8/8, mbtmp3.8/11, ML3.3/3, Error ellipse: s-maj=30.8km

IDC 20 00:23:14.8,-0.9,54:82N:159:89W, h0km, mb3.9/21, mbtmp3.9/24, ML3.7/3, Error ellipse: s-maj=20.8km

IDC 20 00:23:18.9,-0.9,54:65N:159:75W, h0km, mb4.0/32, ML3.9/3, Error ellipse: s-maj=7.5km

IDC 20 00:09:49.1,-1.4,54:46N:159:64W, h0km, mb3.5/2km, Error ellipse: s-maj=6.7km

IDC 20 00:23:17.0,-2.2,54:51N:159:76W, h0km, mb4.2/32, ML3.9/3, Error ellipse: s-maj=7.5km

IDC 20 00:23:18.9,-0.9,54:65N:159:75W, h0km, mb4.0/32, ML3.9/3, Error ellipse: s-maj=7.5km

Main table section 1 with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CNBA Chernabura Isl, SDPT Sand Point, VNKR Veniaminof, etc.

Main table section 2 with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CNBA Chernabura Isl, CHNA Chernabura Isl, SDPT Sand Point, etc.

Main table section 3 with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KDAK comp=E,99nm,1.0s, KDAK comp=E,119nm,1.1s, etc.

20d Oh

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like ARCES ARCES Array B, ZALV Zalesov Beam, FINES FINES Array B, etc.

IDC 20 00:25:31.0, 1.7, 3.97N; 125.45E, h0km, mb3.4/5, mbtmp3.4/5, Error ellipse: s-maj=208.8km s-min=22.0km az=66.0

ISC 20 00:25:32.91, 1.3, 5.22N; 010.128.0E; 0.1, h35km, n9, az=257/12, mb3.7/5, Philippine Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like DMPP Don Marcelino, CDOP Cateel, BIPH Bislig, etc.

IDC 20 00:26:00.3, 1.1, 5.417N; 159.85W, h0km, mb3.8/12, mbtmp3.8/16, ML4.0/3, Error ellipse: s-maj=25.3km s-min=14.8km az=170.0

AEIC 20 00:26:01.9, 0.6, 5.4, 33N; 0106:159.58W; 0.10, h22km, 8km, Error ellipse: s-maj=9.0km s-min=7.4km az=143.0

NEIC 20 00:26:04.1, 1.0, 5.4, 44N; 0103:159.63W; 0.09, h27km, 8km, ML4.0/26, ML3.7(AEIC), Error ellipse: s-maj=7.8km s-min=4.2km az=86.0

ISC 20 00:26:04.8, 0.7, 5.477N; 0107:159.59W; 0.04, h35km, n105, s100/97, mb4.0/13, South of Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like CNBA Chernabura Isl, CNBA Chernabura Isl, VNKR Veniaminof 5, etc.

20d OCT

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like ACHA Angle Creek He, OHAK Old Harbor, KHAK Katmai Buttes, etc.

IDC 20 00:31:24.5, 1.0, 5.474N; 159.86W, h0km, mb3.8/12, mbtmp3.8/15, ML3.6/3, Error ellipse: s-maj=22.4km s-min=14.8km az=164.0

AEIC 20 00:31:25.9, 1.4, 5.4, 35N; 0105:159.57W; 0.07, h9km, 4km, Error ellipse: s-maj=7.3km s-min=6.3km az=173.0

NEIC 20 00:31:27.6, 1.2, 5.4, 45N; 0104:159.65W; 0.08, h13km, 4km, mb4.1/16, ML4.1/28, ML4.1(AEIC), Error ellipse: s-maj=7.7km s-min=6.4km az=55.0

ISC 20 00:31:28.4, 0.6, 5.477N; 0107:159.55W; 0.05, h35km, n148, s143/146, mb3.9/14, South of Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like CNBA Chernabura Isl, CNBA Chernabura Isl, VNKR Veniaminof 5, etc.

IDC 20 00:31:28.4, 0.6, 5.477N; 0107:159.55W; 0.05, h35km, n148, s143/146, mb3.9/14, South of Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like CNBA Chernabura Isl, CNBA Chernabura Isl, VNKR Veniaminof 5, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like CHIR Chirikof Islan, CHIR Chirikof Islan, SSBA Shishaldin, etc.







20d Oh

2020 OCT

1040

Table with columns for station name, frequency, power, and other technical details. Includes stations like EDM, MSO, BEKR, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like ULM, ISCO, MVMC, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like JWT, DBG, FCAR, etc.





20d 0h

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, h, m, s, ISC, Time, Res. Includes entries for MDVR, TIRR, CHTO, etc.

GFZ 20 00:41:37.2,0.4, S:7°10'0E, h10km, M4.5/8, mb4.5/8, Error ellipse: s-maj=23.5km s-min=6.6km az=56.1

IDC 20 00:41:39.0,1.5, 3.32S, 100.37E, h0km, mb4.6/10, mbmp4.6/12, ML4.8/2, MS4.8/1, Error ellipse: s-maj=50.0km s-min=14.4km az=52.0

NEIC 20 00:41:39.8,2.3, 3.75S, 0.1°x100.2E, h10km, mb4.6/15, Error ellipse: s-maj=25.8km s-min=12.0km az=236.0

DJA 20 00:41:41.7,1.8, 3.5S:10°0E, h15km, 12km, M4.6/31, MLV4.6/31

ISC 20 00:41:40.1,0.8, 3.37S, 0.10x100.35E, 0.10, h10km, n92, r120/72, mb4.7/24, 1D, Southern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, h, m, s, ISC, Time, Res. Includes entries for KRJI, MASI, MASI, etc.

2020 OCT

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, h, m, s, ISC, Time, Res. Includes entries for KAPI, KAPI, KAPI, etc.

USRK Ussuriysk Ar 55.20 27 P P 00 51 13.3 +0.2 comp=Z, 2.9nm, 0.7s, bsz=219, slow=5.5, SNR=11

USRK Kurchatov Ar 56.95 34 P P 00 51 25.8 +0.2 comp=Z, 3.2nm, 0.2s, bsz=161, slow=7.2, SNR=6.2

KURK Kurchatov 57.01 344 P P 00 51 25.8 +0.2 comp=Z, 5.8nm, 0.7s

ZALV Zalesovo Beam 58.57 349 P P 00 51 36.9 0.0 comp=Z, 7.5nm, 0.8s, bsz=172, slow=4.5, SNR=9.2

ZALV Zalesovo Beam 58.57 349 P P 00 51 35.4 -1.5 comp=Z, 7.5nm, 0.8s

H04N1 CROZET ISLANDS 59.91 217 T T 01 56 45.5 bsz=60, slow=74, SNR=2387

H04N3 CROZET ISLANDS 59.93 217 T T 01 56 44.2 bsz=60, slow=74, SNR=2387

H04S1 CROZET ISLANDS 60.216 216 T T 01 57 00.9 bsz=57, slow=74, SNR=654

H04S2 CROZET ISLANDS 60.216 216 T T 01 57 01.2 bsz=57, slow=74, SNR=482

BVAR Borovoye Array 61.58 340 P P 00 51 57.1 -0.4 comp=Z, 3.2nm, 0.6s, bsz=143, slow=9.5, SNR=4.8

TXAR Lajitas Array 145.56 39 PKPbc PKPbc 01 01 20.3 +0.7 comp=Z, 5.4nm, 0.5s, bsz=238, slow=0.8, SNR=89

TXAR Lajitas Array 145.56 39 PKPbc PKPbc 01 01 19.7 +0.1 comp=Z, 5.4nm, 0.5s, bsz=238, slow=0.8, SNR=89

SS1A Beattyville 145.71 6 PKPdf PKPdf 01 01 18.5 -0.9 comp=Z, 2.6nm, 0.7s

UCR 20 00:43:35.6, 0.8, 8.63N, 82°9'0W, h45km, 3km, MW3.7, Presumed earthquake

UPA 20 00:43:35.4, 0.9, 8.67N, 82°9'0W, h47km, 3km, MW3.2, Presumed earthquake

CATAC 20 00:43:37.0, 0.2, 9°N, 3°8'W, h14km, 2km, M3.5/10, MLV3.5/10, Error ellipse: s-maj=5.8km s-min=3.4km, az=179.0, confirmed

ISC 20 00:43:36.3, 1.2, 8.61N, 0.03x82°9'0W, 0.02, h43km, 5km, n91, r098/113, 10C-2D, Panama-Costa Rica border region

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, h, m, s, ISC, Time, Res. Includes entries for CDITO, CDITO, CDITO, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, h, m, s, ISC, Time, Res. Includes entries for CLLRA, CLLRA, CTRC, etc.

IDC 20 00:44:03.1, 2.2, 54°13'N, 159°58'W, h0km, mb3.5/3, mbmp3.7/6, ML3.5/2, Error ellipse: s-maj=45.1km

ISC 20 00:44:08.7, 1.9, 54°41'N, 0.2x159°55'W, 0.2, h35km, n6, r094/6, mb3.4/3, South of Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, h, m, s, ISC, Time, Res. Includes entries for KDAK, ILAR, INK, INK, YKA, etc.

IDC 20 00:44:15.9, 0.6, 54°41'N, 159°67'W, h0km, mb4.3/28, mbmp4.3/31, ML4.3/3, Error ellipse: s-maj=15.5km s-min=9.7km az=149.0

BUI 20 00:44:16.7, 54°40'N, 159°60'W, h30km, mb4.8/17, AEIC 20 00:44:18.5, 2.7, 54°21'N, 0.03x159°54'W, 0.06, h15km, 3km, Error ellipse: s-maj=6.4km s-min=2.7km az=137.0

NEIC 20 00:44:19.8, 2.0, 54°30'N, 0.06x159°56'W, 0.08, h29km, 5km, mb4.8/26, ML4.3/22, ML4.0(AEIC), Error ellipse: s-maj=8.3km s-min=6.7km az=169.0

ISC 20 00:44:20.0, 0.7, 54°32'N, 0.06x159°50'W, 0.04, h32km, 4km, n91, r098/P, n291, r126/P, mb4.8/135, 1C-1D, South of Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, h, m, s, ISC, Time, Res. Includes entries for CNBA, CNBA, CNBA, etc.

ISC 20 00:44:20.0, 0.7, 54°32'N, 0.06x159°50'W, 0.04, h32km, 4km, n91, r098/P, n291, r126/P, mb4.8/135, 1C-1D, South of Alaska

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like CHGN Chignik, ISNN Isanotski, SSAL Shishaldin, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like MPK Martis Peak, PAHR Pah Rah Range, PNTR Pine Hut, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like H11S3 WAKE ISLAND, I40A Norwalk, F42A Maple Grove, etc.



Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like Kodiak Island, Okmok Cone, and various Alaska locations.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like Inuvik, Wrangley, and various Yukon/Alaska locations.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like Dawn, Wmox, Paris, and various international locations.







20d 1h

Table with columns: Station, Name, Time, Status, and other details. Includes stations like RC01, L20K, SKT, etc.

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Table with columns: Station, Name, Time, Status, and other details. Includes stations like NVAR, NVAR, NVAR, etc.

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Table with columns: Station, Name, Time, Status, and other details. Includes stations like F42A, N38A, L40A, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like AKASG Malin Array Be, AKASG Malin Array Be, KIEV Kiev, CHVC Chvalec, OSTC Ostas, KSHZ Kashi, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SCB 201:25:57.8, I, 22:16S:67.47W, h121km, 24km, MB5.5, etc.

Code Station Name Az AzZ Phase ID Time Res ISC
PB09 IPOC Station P 1.68 282 P Pn 01 26 29.2 +1.6
YJA Yavi 1.81 91 P Pn 01 26 30.2 +0.8
MOCB Mochara 1.93 62 P Pn 01 26 32.1 +1.2
PB06 IPOC Station P 2.02 254 P Pn 01 26 32.9 +1.1
PB01 IPOC Station P 2.18 300 S Sn 01 27 02.8 +1.7
PB01 49nm, 0.3s IAML 01 27 06.7
PB02 IPOC Station P 2.41 290 P Pn 01 26 37.2 +0.7
PB02 21nm, 0.6s IAML 01 27 09.0
PB08 63nm, 0.4s IAML 01 26 40.5 +1.8
PB08 IPOC Station P 2.55 322 P Pn 01 26 40.5 +1.8
GO01 Chuzmiza 2.96 327 P Pn 01 26 45.5 +1.4
PB11 IPOC Station P 3.14 319 P Pn 01 26 46.3 +0.1
PB11 21nm, 0.3s IAML 01 27 23.6 +0.1
PB11 34nm, 0.3s IAML 01 27 27.5
PB16 IPOC Station P 4.26 333 P Pn 01 27 01.9 +0.5
SOET Toro Toro 4.32 320 P Pn 01 27 02.2 +0.3
BBOJ La Paz, Jacapu 4.21 352 P Pn 01 27 14.2 +0.1
LPAZ La Paz 5.88 354 P Pn 01 27 23.3 +0.1
BBOB La Paz, Bander 6.02 354 P Pn 01 27 25.2 +0.1
SIV San Ignacio 8.62 46 P Pn 01 27 57.3 -2.4

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ISC 201:32:37.6, 1.2, 35:76N, 0:02, 47:1W, 0:03, h77km, 10km, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PARRA Arraiolos, PARRA Arraiolos, PARRA Arraiolos, etc.

IDC 201:33:36.3, 1.0, 54:48N: 159:87W, h0km, mb4, 0/15, mbmp4, 0.19, ML, 4, 1/4, Error ellipse: s-maj=22.4km, s-min=14.3km, az=178.0

NEIC 201:33:37.3, 1.7, 54:32N, 0:04, 159:80W, 0:08, h19km, 4km, mb4, 3/31, ML3, 8/28, ML3, 5(AEIC), Error ellipse: s-maj=6.8km, s-min=5.6km, az=117.0

AEIC 201:33:38.0, 2.1, 54:21N, 0:04, 159:67W, 0:09, h18km, 4km, Error ellipse: s-maj=7.4km, s-min=5.8km, az=106.0

ISC 201:33:38.1, 0.6, 54:33N, 0:06, 159:90W, 0:04, h24km, n140, s125/131, mb4, 2/23, South of Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CNBA Chernabura Isl, CNBA Chernabura Isl, CNBA Chernabura Isl, etc.

20d 1h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various station identifiers. Includes stations like I30M Mount Dempster, C24K Franklin Bluff, DLBC Dease Lake Ar, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various station identifiers. Includes stations like STKA Stephens Creek, BBOO Buckleboe, WRB Warramunga Arr, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various station identifiers. Includes stations like SDPT Sand Point, SDPT Veniaminof S, SDPT Pavlov North-7, etc.

NEIC 20 01:34:44.3, 1.3, 15.45:0.1, h412km, 5km, mb4.4/20, Error ellipse: s-maj=22.0km s-min=11.3km

ICD 20 01:34:46.5, 1.6, 15.40:0.178:93W, h432km, 16km, mb3.5/9, mbmp4.2/11, Error ellipse: s-maj=23.4km s-min=12.8km

ISC 20 01:34:43.0-0.5, 15.433:0.10-178.80W, 0.09, h400km, n97, f126/86, mb4.3/20, 15C-4D, Fiji Islands region

ICD 20 01:36:34.6, 1.3, 54.54N:159.84W, h0km, mb3.8/8, mbmp3.8/11, ML3.8/3, Error ellipse: s-maj=28.0km

NEIC 20 01:36:36.2, 1.4, 54.26N:0.04:159.56W:0.07, h20km, 6km, mb4.2/20, ML4.0/24, ML3.7(AEIC), Error ellipse: s-maj=7.0km s-min=3.9km az=124.0

AEIC 20 01:36:37.1, 1.6, 54.26N:0.05:159.54W:0.07, h24km, 5km, Error ellipse: s-maj=7.7km s-min=6.0km az=166.0

ISC 20 01:36:37.2, 1.8, 54.33N:0.08:159.58W:0.04, h25km, 12km, n138, f1904/133, mb4.1/11, South of Alaska

ICD 20 01:36:36.2, 1.4, 54.26N:0.04:159.56W:0.07, h20km, 6km, mb4.2/20, ML4.0/24, ML3.7(AEIC), Error ellipse: s-maj=7.0km s-min=3.9km az=124.0

AEIC 20 01:36:37.1, 1.6, 54.26N:0.05:159.54W:0.07, h24km, 5km, Error ellipse: s-maj=7.7km s-min=6.0km az=166.0

ISC 20 01:36:37.2, 1.8, 54.33N:0.08:159.58W:0.04, h25km, 12km, n138, f1904/133, mb4.1/11, South of Alaska

ICD 20 01:36:36.2, 1.4, 54.26N:0.04:159.56W:0.07, h20km, 6km, mb4.2/20, ML4.0/24, ML3.7(AEIC), Error ellipse: s-maj=7.0km s-min=3.9km az=124.0











20d 2h

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like Chernabura Isl, Sand Point, Pavlov North-7, etc.

AEIC 20 02:20:04.8, 1.7, 54.37N, 0.02:159.60W, 0.08, h20km, 8km, Error ellipse: s-maj=6.6km s-min=2.5km az=95.0

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like Chernabura Isl, Sand Point, Veniaminof 5, etc.

IDC 20 02:20:29.6, 1.7, 54.37N, 159.84W, h0km, mb3.6/4, s-min=26.1km az=160.0

NEIC 20 02:20:31.2, 1.7, 54.23N, 0.05:159.77W, 0.1, h17km, 6km, s-maj=9.0km s-min=6.3km az=114.0

AEIC 20 02:20:31.8, 1.8, 54.21N, 0.06:159.77W, 0.1, h10km, 6km, Error ellipse: s-maj=9.6km s-min=8.8km az=131.0

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like Chernabura Isl, Sand Point, West Dahl Nort, etc.

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Table with columns: FID, Port Fidalgo, 9.62 42, Pn, 02 22 47.4 -1.9, WRAB Tennant Creek, 43.44 263, P, P, 02 29 38.2 -0.5

SJA 20 02:22:04.7, 1.2, 30.47S, 72.12W, h10km, 9km, ML3.4, MW3.5

GUC 20 02:22:06.0, 0.6, 30.40S, 72.23W, h32km, 3km, ML3.3, Presumed earthquake

ISC 20 02:22:04.8, 2.4, 30.30S, 0.1x72.2W, 0.1, h14km, 13km, n18, c058929, 2D, Off coast of central Chile

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like Fra Jroye, La Serena, Tololo Observa, etc.

NEIC 20 02:22:27.5, 0.7, 21.34S, 0.09:179.1W, 0.2, h606km, 11km, mb4.2/16, Error ellipse: s-maj=22.4km s-min=12.7km

IDC 20 02:22:28.2, 1.7, 21.27S, 179.23W, h612km, 23km, mb3.0/7, mbmp4.1/10, Error ellipse: s-maj=22.1km s-min=19.5km

ISC 20 02:22:27.0, 7.2, 31.3S, 0.1x179.1W, 0.1, h602km, n36, c059793, mb4.1/17, 1C, Fiji Islands region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like Nonsavu, Mare Loyalty, Mont Dzumac, etc.

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Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like Chernabura Isl, Sand Point, Veniaminof 5, etc.

AEIC 20 02:26:45.2, 0.5, 54.23N, 0.06:159.55W, 0.06, h28km, 8km, s-maj=9.2km s-min=4.2km az=197.0

NEIC 20 02:26:44.5, 0.9, 54.28N, 0.09:159.50W, 0.08, h30km, 14km, ML3.4/18, ML3.0(AEIC), Error ellipse: s-maj=13.7km s-min=6.8km az=167.0, South of Alaska

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like Chernabura Isl, Sand Point, Veniaminof 5, etc.

ATH 20 02:36:44.3, 36.92N, 20.77E, h14km, 3km, ML3.9/17, Latitude uncertainty: 2 km; Longitude uncertainty: 2 km

IDC 20 02:36:44.0, 7.3, 37.12N, 21.06E, h0km, mb4.1/11, mbmp3.8/23, ML3.7/8, MS3.5/1, Error ellipse: s-maj=12.6km s-min=9.2km az=11.0

NEIC 20 02:36:45.5, 1.4, 36.99N, 0.07:20.90E, 0.04, h10km, 1km, mb4.6/18, Error ellipse: s-maj=11.2km s-min=5.7km

PDG 20 02:36:46.9, 0.7, 36.97N, 20.84E, h22km, 1km, ML3.3/12, Error ellipse: s-maj=1.6km s-min=1.5km az=90.0

THE 20 02:36:46.9, 37.0N, 21.2E, h9km, 2km, M3.7/20, MLh3.7/20

GFZ 20 02:36:47.0, 5.3, 37.0N, 21.2E, h10km, M4.3/13, mb4.3/13

NAO 20 02:36:52.7, 38.05N, 23.98E, h33km, MB3.7

ISC 20 02:36:46.3, 1.0, 37.01N, 0.03:20.89E, 0.03, h18km, 5km, n250, c1414/302, mb4.4/20, 26C-19D, Ionian Sea

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like Methoni, Pylos, Lithakia, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Vlachokerasia, Araxos, Damoulianiata-K, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Banja Luka, Narda, Fjordmonte, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Sonseca Array, Delray, Obninsk, etc.



Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like MAJO Matushiro, MJAR Matushiro Arr, MJAR Matushiro Arr, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like BORK Borovoye, LZDM Lanzhou Array, ARTI Arti, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like MPLH Magyarpolny, BIZ Bicz, FUORNI Openpass-Fuorn, etc.

Additional information and notes at the bottom right, including coordinates and station identifiers like 'IDC 20 02:52:21.1+0.7, 54°28'N, 159°85'W, h0km, mb4.3/2h...'.

20d 2h

Table with columns: Station Name, Magnitude, Time, Location, and other details. Includes stations like S12K Black Hills, VYNN Veniaminof 3, CHGN Chignik, etc.

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Table with columns: Station Name, Magnitude, Time, Location, and other details. Includes stations like ADK Adak, ADK Adak, KIWB Kanaga Island, etc.

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Table with columns: Station Name, Magnitude, Time, Location, and other details. Includes stations like HNS Zalesovo Beam, NJ2 Nanjing, FINES FINESS Array B, etc.

BER 20:02:52:37.6±2.8, 72°21'N x 108°E, h10km, Mw3.8, Confirmed Earthquake, Norwegian Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Lists stations like LOF Lofoten, TRO Tromsø, etc.

IDC 20:02:57.45±0.0, 9.54±7.1N; 159.91W, h0km, mb3.8/14, mbtmp:3.8/17, ML3.4, Error ellipse: s-maj=22.6km

NEIC 20:02:57.50±0.1, 9.54±6.3N; 159.94W, h29km, 5km, mb4.1/13, ML3.8/30, ML3.7(AEIC), Error ellipse: s-maj=7.2km, s-min=3.6km, az=215.0

AEIC 20:02:57.50±0.2, 9.54±5.9N; 159.80W, h7km, 4km, Error ellipse: s-maj=5.3km, s-min=2.7km, az=170.0

ISC 20:02:57.50±0.1, 9.54±5.8N; 159.75W, h30km, 6km, n107, t1943/107, mb4.1/17, South of Alaska

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Lists stations like CNBA Chernabura Isl, SDPT Sand Point, etc.



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Table with columns for station name, frequency, mode, and other details. Includes stations like S12K Black Hills, CHGN Chignik, and various IAR and ILAR stations.

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Table with columns for station name, frequency, mode, and other details. Includes stations like NOA NORSTAR Array B, BVAR Borovoye Array, HFS Hagfors, and various IAR and ILAR stations.

20d 3h

Table with columns for station name, frequency, mode, and other details. Includes stations like WTUG West Dahl Nort, WESN West Dahl Nort, and various IAR and ILAR stations.

20d 3h

Table with columns for station ID, name, coordinates, and status. Includes stations like M31M Drury Creek, J30M Hart River, D24K Happy Bay, etc.

2020 OCT

Table with columns for station ID, name, coordinates, and status. Includes stations like AB31 Akbulak array, ABKAR Akbulak array, SUW Suwalki, etc.

1060

Table with columns for station ID, name, coordinates, and status. Includes stations like EDFI Ende, Flores, LBF1 Labuhan Bajo, GENI Genyem, etc.







Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include KABU Katmai Buttes, OHAK Old Harbor, KAKN Katmai Knife C, etc.

AEIC 20 04:06:50.2; 1.2, 5.4; 18N; 0.06; 159.62W; 0.08; h36km, 7km, Error ellipse: s-maj=8.4km s-min=7.1km az=184.0

NEIC 20 04:06:47.7; 0.9, 5.4; 09N; 0.06; 159.54W; 0.04; h23km, 7km, mb4.2/1.1, ML4.2(AEIC), Error ellipse: s-maj=8.7km s-min=3.0km az=173.0, South of Alaska

Main station list for 20d 4h, including CNBA Chernabura Isl, SDPT Sand Point, VNSG Veniaminof 5, etc.

BJI 20 04:07:03.9, 5.4; 26N; 159.76W, h12km, mb5.7/6.2, mb5.4/86, Ms5.9/86, Ms7.5/84

AEIC 20 04:07:08.1; 6.5, 44.2; 22N; 0.05; 159.56W; 0.08; h36km, 4km, Error ellipse: s-maj=8.2km s-min=6.4km az=141.0

GCMT 20 04:07:10.9; 0.2, 5.4; 34N; 0.01; 159.81W; 0.02; h20km, 1km, Mw5.7/149, Moment Tensor Solution, s38, c45

ISC 20 04:07:09.0; 3.1, 5.4; 32N; 0.04; 159.61W; 0.03; h20km, 2km, h2 km; P-P, N1745, t1534/1423, mb5.5/720, MS5.3/350, 44C-61D, South of Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include CNBA Chernabura Isl, CHNA Chernabura Isl, SDPT Sand Point, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include SDPT Sand Point, VNSG Veniaminof 5, PNTA Pavlov North-7, etc.

CHGN Chignik, CHGN Chignik, CHGN Chignik, comp=E, 44um, 1.3s

CHIR Chirikof Island, comp=N, 33um, 1.6s

CHIR Chirikof Island, comp=E, 41um, 1.5s

CHIR Chirikof Island, comp=N, 22um, 1.6s

CHIR Chirikof Island, comp=N, 11um, 1.8s

CHIR Chirikof Island, comp=N, 14um, 1.7s

CHIR Chirikof Island, comp=N, 5um, 1.9s

CHIR Chirikof Island, comp=N, 41um, 1.5s

CHIR Chirikof Island, comp=N, 22um, 1.6s

CHIR Chirikof Island, comp=N, 11um, 1.8s

CHIR Chirikof Island, comp=N, 14um, 1.7s

CHIR Chirikof Island, comp=N, 5um, 1.9s

CHIR Chirikof Island, comp=N, 41um, 1.5s

CHIR Chirikof Island, comp=N, 22um, 1.6s

CHIR Chirikof Island, comp=N, 11um, 1.8s

CHIR Chirikof Island, comp=N, 14um, 1.7s

CHIR Chirikof Island, comp=N, 5um, 1.9s

CHIR Chirikof Island, comp=N, 41um, 1.5s

CHIR Chirikof Island, comp=N, 22um, 1.6s

CHIR Chirikof Island, comp=N, 11um, 1.8s

CHIR Chirikof Island, comp=N, 14um, 1.7s

CHIR Chirikof Island, comp=N, 5um, 1.9s

CHIR Chirikof Island, comp=N, 41um, 1.5s

CHIR Chirikof Island, comp=N, 22um, 1.6s

CHIR Chirikof Island, comp=N, 11um, 1.8s

CHIR Chirikof Island, comp=N, 14um, 1.7s

CHIR Chirikof Island, comp=N, 5um, 1.9s

CHIR Chirikof Island, comp=N, 41um, 1.5s

CHIR Chirikof Island, comp=N, 22um, 1.6s

CHIR Chirikof Island, comp=N, 11um, 1.8s

CHIR Chirikof Island, comp=N, 14um, 1.7s

CHIR Chirikof Island, comp=N, 5um, 1.9s

CHIR Chirikof Island, comp=N, 41um, 1.5s

CHIR Chirikof Island, comp=N, 22um, 1.6s

CHIR Chirikof Island, comp=N, 11um, 1.8s

CHIR Chirikof Island, comp=N, 14um, 1.7s

CHIR Chirikof Island, comp=N, 5um, 1.9s

CHIR Chirikof Island, comp=N, 41um, 1.5s

CHIR Chirikof Island, comp=N, 22um, 1.6s

CHIR Chirikof Island, comp=N, 11um, 1.8s

CHIR Chirikof Island, comp=N, 14um, 1.7s

CHIR Chirikof Island, comp=N, 5um, 1.9s

CHIR Chirikof Island, comp=N, 41um, 1.5s

CHIR Chirikof Island, comp=N, 22um, 1.6s

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include K17K Iltarod, SUA Susitna One, RC01 Rabbit Creek A, etc.

CHIR Chirikof Island, comp=N, 33um, 1.6s

CHIR Chirikof Island, comp=E, 41um, 1.5s

CHIR Chirikof Island, comp=N, 22um, 1.6s

CHIR Chirikof Island, comp=N, 11um, 1.8s

CHIR Chirikof Island, comp=N, 14um, 1.7s

CHIR Chirikof Island, comp=N, 5um, 1.9s

CHIR Chirikof Island, comp=N, 41um, 1.5s

CHIR Chirikof Island, comp=N, 22um, 1.6s

CHIR Chirikof Island, comp=N, 11um, 1.8s

CHIR Chirikof Island, comp=N, 14um, 1.7s

CHIR Chirikof Island, comp=N, 5um, 1.9s

CHIR Chirikof Island, comp=N, 41um, 1.5s

CHIR Chirikof Island, comp=N, 22um, 1.6s

CHIR Chirikof Island, comp=N, 11um, 1.8s

CHIR Chirikof Island, comp=N, 14um, 1.7s

CHIR Chirikof Island, comp=N, 5um, 1.9s

CHIR Chirikof Island, comp=N, 41um, 1.5s

CHIR Chirikof Island, comp=N, 22um, 1.6s

CHIR Chirikof Island, comp=N, 11um, 1.8s

CHIR Chirikof Island, comp=N, 14um, 1.7s

CHIR Chirikof Island, comp=N, 5um, 1.9s

CHIR Chirikof Island, comp=N, 41um, 1.5s

CHIR Chirikof Island, comp=N, 22um, 1.6s

CHIR Chirikof Island, comp=N, 11um, 1.8s

CHIR Chirikof Island, comp=N, 14um, 1.7s

CHIR Chirikof Island, comp=N, 5um, 1.9s

CHIR Chirikof Island, comp=N, 41um, 1.5s

CHIR Chirikof Island, comp=N, 22um, 1.6s

CHIR Chirikof Island, comp=N, 11um, 1.8s

CHIR Chirikof Island, comp=N, 14um, 1.7s

CHIR Chirikof Island, comp=N, 5um, 1.9s

CHIR Chirikof Island, comp=N, 41um, 1.5s

CHIR Chirikof Island, comp=N, 22um, 1.6s

CHIR Chirikof Island, comp=N, 11um, 1.8s

CHIR Chirikof Island, comp=N, 14um, 1.7s

CHIR Chirikof Island, comp=N, 5um, 1.9s

CHIR Chirikof Island, comp=N, 41um, 1.5s

CHIR Chirikof Island, comp=N, 22um, 1.6s

CHIR Chirikof Island, comp=N, 11um, 1.8s

CHIR Chirikof Island, comp=N, 14um, 1.7s

CHIR Chirikof Island, comp=N, 5um, 1.9s

CHIR Chirikof Island, comp=N, 41um, 1.5s

CHIR Chirikof Island, comp=N, 22um, 1.6s

CHIR Chirikof Island, comp=N, 11um, 1.8s



1065

Table with columns: YKA, comp=, P, P, 04 16 03.1 +0.1, etc. Includes entries like Yellowknife Ar, Petropavlovsk, etc.

2020 OCT

Table with columns: CMB, comp=, P, P, 31.17 105, etc. Includes entries like Columbia Colle, Eagleton, etc.

20d 4h

Table with columns: UGL, comp=, eP, P, 04 14 03.1 -0.8, etc. Includes entries like Ustlegorsk, Red Mountain, etc.









20d 4h

Table with columns for station name, frequency, power, and coordinates. Includes stations like AKASG Malin Array Be, AKASG Malin Array Si, AKASG Malin Array Be, etc.

2020 OCT

Table with columns for station name, frequency, power, and coordinates. Includes stations like KWP Kalwaria Pacia, ZVC Zivkov, GRB2 Grafenberg Arr, etc.

1070

Table with columns for station name, frequency, power, and coordinates. Includes stations like SMOL, VYHS Vyhne, KECS Kecovo, etc.





20d 4h

Table with columns: Station, Name, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, and other parameters. Includes stations like ALN, GRG, OZAP, ACER, SOH, etc.

2020 OCT

Table with columns: Station, Name, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, and other parameters. Includes stations like KEST, WDD, KARR, CARR, etc.

1072

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Distance, Distance Error, and other parameters. Includes stations like PNL, PNL, PNL, etc.

Table with columns: Station Name, Code, Station Name, Az, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Quiet Lake, Drury Creek, Nakina River, etc.

IDC 20 04:12:56.7±1.3,54°00'N,159°70'W,h0km,mb3.9/10, mbtmp4.0/14,ML4,1/4, Error ellipse: s-maj=27.6km

NEIC 20 04:13:00.7±1.2,54°17'N,159°56'W,0.08,h22km,6km, ML3,7/22,ML3.8(AEIC), Error ellipse: s-maj=6.6km

AEIC 20 04:13:02.5±1.7,54°24'N,159°59'W,0.07,h24km,5km, Error ellipse: s-maj=7.8km s-min=5.9km az=165.0

ISC 20 04:13:00.7±1.8,54°26'N,159°49'W,0.04,h2km,13km,n81,±1964/87,mb3.9/10,South of Alaska

Main table for station data on the left side, including stations like Chernabura Isl, Sand Point, Veniaminof 7, etc.

Table with columns: Station Name, Code, Station Name, Az, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Windy Craggy, Pelican, Sitka, etc.

ATH 20 04:18:02.2,37°23'N,20°29'E,h11km,3km,ML3,1/18, Latitude uncertainty: 2 km; Longitude uncertainty: 2 km

THE 20 04:18:01.9,37°N,3°20'E±,h13km,6km,M3.0/27, ML3.0/27, Ionian Sea

Main table for station data in the middle, including stations like Lithakia, Kipseli, Zakin, etc.

Table with columns: Station Name, Code, Station Name, Az, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Kalavryta, Ach, Tsoukalades, etc.

IDC 20 04:25:07.5±1.3,72°21'N,1°42'E,h0km,mb3.7/6, mbtmp3.7/12,ML3.0/6, Error ellipse: s-maj=26.7km

BER 20 04:25:09.7±2.5,72°26'N,1°28'E,h10km, Confirmed Earthquake

ISC 20 04:25:08.9±1.0,72°22'N,0°09'21"E,0:1,h10km,n30, ±1928/20,mb3.7/5,Norwegian Sea

Main table for station data on the right side, including stations like Lofoten, Tromsø, Steigen, etc.









Table with columns: STKA TOO, Stephens Creek, 32.33 231, P, P, 05 00 09.8 +0.3, etc.

Table with columns: NEIC 20 04:57:18.4, 1.8, 54:23N, 0.04:159:63W, 0:08, h18km, 4km, etc.

Table with columns: F17K Baldwin Pennin, 12.19 357, Pn, 05 00 15.2 +3.4, etc.

MDD 20 04:54:38.7, 0.3, 42:06N, 1:51W, h0km, mb\_Lq2, 6/28, Error ellipse: s-maj=2.7km s-min=1.7km az=156.0

LDG 20 04:54:38.5, 0.1, 42:04N, 1:42W, h2km, Md2.5/3, M12, 7/12, Error ellipse: s-maj=2.4km s-min=2.0km az=142.0

ISC 20 04:54:37.1, 0.9, 42:30N, 1:03W, 0:10, h10km, 6km, n29, c123/52, Pyrenees

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

IDC 20 04:57:16.9, 0.8, 54:54N, 159:81W, h0km, mb4, 0/19, mbmp=4.023, ML4, 2/4, Error ellipse: s-maj=19.9km s-min=12.6km az=167.0

AEIC 20 04:57:18.9, 1.8, 54:21N, 0:04:159:62W, 0:08, h14km, 4km, Error ellipse: s-maj=7.3km s-min=6.2km az=111.0

ISC 20 04:57:21.0, 0.5, 54:32N, 0:06:159:59W, 0:04, h35km, n198, c1547/181, mb4, 2/32, South of Alaska

ISC 20 04:57:21.0, 0.5, 54:32N, 0:06:159:59W, 0:04, h35km, n198, c1547/181, mb4, 2/32, South of Alaska

ISC 20 04:57:21.0, 0.5, 54:32N, 0:06:159:59W, 0:04, h35km, n198, c1547/181, mb4, 2/32, South of Alaska

ISC 20 04:57:21.0, 0.5, 54:32N, 0:06:159:59W, 0:04, h35km, n198, c1547/181, mb4, 2/32, South of Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes GERE5, CMAR, CMAR, CMAR, ESDC, ESDC, ESDC, BRTR, BRTR, BRTR.

IDC 20 04:58:21.0 1.8 54:42N; 160:00W, hOkm, mb3.8/4, m1mp3.8/6, ML3.4/3, Error ellipse: s-maj=40.0km s-min=27.3km az=170.0

NEIC 20 04:58:22.8 1.9 54:20N; 05:159:60W; 0.06, h22km, 7km, mb4.2/14, ML3.9/14, ML3.7(AEIC), Error ellipse: s-maj=8.2km s-min=2.5km az=145.0

AEIC 20 04:58:24.0 1.8 54:26N; 04:159:75W; 0.06, h34km, 5km, Error ellipse: s-maj=6.0km s-min=4.9km az=215.0

ISC 20 04:58:24.0 0.8 54:27N; 0:008:159.62W; 0.06, h35km, n48, r12144, mb4.0/7, South of Alaska

Main table for South of Alaska region, listing station names like Chernabura Isl, Sand Point, Pavlov North-7, etc.

Main table for West of Alaska region, listing station names like Ogilvie Camp, Happy Valley, Mount Dempster, etc.

AEIC 20 05:07:56.8 2.2 54:31N; 0:06:159:48W; 0.0, h34km, 6km, Error ellipse: s-maj=9.5km s-min=7.0km az=138.0

NEIC 20 05:07:56.3 0.9 54:32N; 0:07:159.34W; 0.08, h32km, 6km, mb3.5/10, ML3.4/24, ML3.2(AEIC), Error ellipse: s-maj=10.8km s-min=4.3km az=151.0, South of Alaska

Main table for South of Alaska region, listing station names like Chernabura Isl, Sand Point, Pavlov North-7, etc.

Main table for West of Alaska region, listing station names like Akutan, LVA, UNV, MNAT, etc.

IDC 20 05:09:16.4 1.5 54:26N; 159:79W, hOkm, mb3.5/5, m1mp3.8/9, ML4.2/4, Error ellipse: s-maj=27.6km s-min=22.2km az=165.0

NEIC 20 05:09:18.0 1.7 54:12N; 0:07:159:51W; 0.09, h32km, 6km, mb3.9/30, ML3.6/34, ML3.3(AEIC), Error ellipse: s-maj=10.2km s-min=6.7km az=156.0

AEIC 20 05:09:19.6 2.1 54:15N; 0:06:159:56W; 0.08, h34km, 5km, Error ellipse: s-maj=9.2km s-min=6.8km az=164.0

ISC 20 05:09:19.2 0.7 54:27N; 0:07:159.52W; 0.05, h35km, n168, r1546/168, mb3.6/6, South of Alaska

Main table for West of Alaska region, listing station names like Chernabura Isl, Sand Point, Inuvik, etc.

AEIC 20 05:07:56.8 2.2 54:31N; 0:06:159:48W; 0.0, h34km, 6km, Error ellipse: s-maj=9.5km s-min=7.0km az=138.0

NEIC 20 05:07:56.3 0.9 54:32N; 0:07:159.34W; 0.08, h32km, 6km, mb3.5/10, ML3.4/24, ML3.2(AEIC), Error ellipse: s-maj=10.8km s-min=4.3km az=151.0, South of Alaska

Main table for West of Alaska region, listing station names like Chernabura Isl, Sand Point, Inuvik, etc.

Main table for West of Alaska region, listing station names like Kokwok River B, Cape Douglas, Kwethluk River, etc.

IDC 20 05:09:16.4 1.5 54:26N; 159:79W, hOkm, mb3.5/5, m1mp3.8/9, ML4.2/4, Error ellipse: s-maj=27.6km s-min=22.2km az=165.0

NEIC 20 05:09:18.0 1.7 54:12N; 0:07:159:51W; 0.09, h32km, 6km, mb3.9/30, ML3.6/34, ML3.3(AEIC), Error ellipse: s-maj=10.2km s-min=6.7km az=156.0

AEIC 20 05:09:19.6 2.1 54:15N; 0:06:159:56W; 0.08, h34km, 5km, Error ellipse: s-maj=9.2km s-min=6.8km az=164.0

ISC 20 05:09:19.2 0.7 54:27N; 0:07:159.52W; 0.05, h35km, n168, r1546/168, mb3.6/6, South of Alaska

Main table for West of Alaska region, listing station names like Chernabura Isl, Sand Point, Inuvik, etc.

AEIC 20 05:07:56.8 2.2 54:31N; 0:06:159:48W; 0.0, h34km, 6km, Error ellipse: s-maj=9.5km s-min=7.0km az=138.0

NEIC 20 05:07:56.3 0.9 54:32N; 0:07:159.34W; 0.08, h32km, 6km, mb3.5/10, ML3.4/24, ML3.2(AEIC), Error ellipse: s-maj=10.8km s-min=4.3km az=151.0, South of Alaska

Main table for West of Alaska region, listing station names like Chernabura Isl, Sand Point, Inuvik, etc.

Table with columns: PDAR, Pinedale Array, 34.33 89 P, comp=Z,0.1nm,0.5s,baz=289,slow=9.9,SNR=2.1

UPA 20.05:19:28.2,0.6,9.41N-83.99W,h9km,4km,MW3.0, Presumed earthquake

UCR 20.05:19:29.3,1.2,9.56N-83.88W,h73km,2km,MW3.5, Presumed earthquake

ISC 20.05:19:30.2,1.3,9.51N,0.03,83.90W,0.03,h64km,5km,n97,0.995/166.35C-3D, Costa Rica

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residuals

Table with columns: Arenal 1, Arenal, V. Arenal, Laguna Cedee, Monterrey de S, Santa Clara, W Juntas de

AEIC 20.05:20:13.1,1.3,5.421N,0.06,159.7W,0.1,h42km,8km, Error ellipse: s-maj=10.6km s-min=7.4km az=139.0

NEIC 20.05:20:11.5,1.2,5.419N,0.06,159.59W,0.09,h31km,3km, mb3.4/18,ML3.5/28,ML3.1(AEIC), Error ellipse: s-maj=9.6km s-min=7.0km az=157.0, South of Alaska

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residuals

Table with columns: D23K, Nanushuk River, Ogilvie Camp, Teslin, Yukon Hart River, Mount Dempster, Kivik River, Pine Creek, Bob Quinn, Peel River, Tsighehtich, Inuvik, Paulatuk, Rader Ridge, Hood Mount Hood Mea, Mt. Diablo Mer, Lajitas Ar. Si, Lajitas Array

IDC 20.05:31:10.2,1.0,54.58N,159.94W,h0km,mb3.9/17, mbmp3.9/21,ML3.8/4, Error ellipse: s-maj=23.0km

AEIC 20.05:31:11.4,1.7,53.55N,104.159,63W,0.08,h19km,4km, Error ellipse: s-maj=6.8km s-min=6.5km az=122.0

NEIC 20.05:31:15.2,1.3,54.46N,0.06,159.73W,0.09,h38km,7km, mb4.2/33,ML4.1/36,ML3.9(AEIC), Error ellipse: s-maj=9.8km s-min=7.4km az=154.0

ISC 20.05:31:13.6,1.3,54.337N,0.06,159.62W,0.04,h30km,8km,n181,s1812/182,mb4.0/19, South of Alaska

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residuals

Table with columns: Station Name, Time, Azimuth, Elevation, and other parameters. Includes stations like N16K Nishlik Lake, N17K Nushagak Hills, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, and other parameters. Includes stations like FINES FINES Array B, NOA NORSAR Array B, etc.

ADC 2005:37:08.8:21.0, 30:53S: 179.47E, h350km, 213km, mb2:6/2, mbmp3:8/3, Error ellipse: s-maj=277.9km

WEL 2005:07:37:24.1:1.32 S: 10:18' 0W:2.6, h375km, 17km, M4.2/6, mb4:3/4, ML4.1/4, MLV4.6, Mw(mz)3.4/4, Error ellipse: s-maj=35.4km s-min=5.5km az=109.8, confirmed

ISC 2005:07:17.4:1.1, 31:71S:010:179.4E:0.2, h450km, n17, c23277, Kermadec Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Time, Res, and other parameters. Includes stations like Green Lake, MZK Matakaoa Point, etc.

ADC 2005:39:19.6:0.7, 54:39N:159.88W, h0km, mb4.0/17, mbmp4:1/21, ML4.3/4, MS4.1/2, Error ellipse: s-maj=17.3km s-min=11.9km az=158.0

NEIC 2005:39:21.8:1.4, 54:17N:0:05:159.58W:0.09, h28km, 5km, mb4:3/78, ML4.0/34, ML3.8(AEIC), Error ellipse: s-maj=8.0km s-min=7.0km az=141.0

AEIC 2005:39:22.0:1.4, 54:14N:0:05:159.61W:0.08, h19km, 4km, Error ellipse: s-maj=7.4km s-min=6.8km az=169.0

ISC 2005:32:19.1:5.4, 20:0N:0:06:159.59W:0.04, h27km, 10km, n233, c1913234, mb4:3/41, South of Alaska

Table with columns: Code, Station Name, Azimuth, Elevation, Time, Res, and other parameters. Includes stations like CNBA Chernabura Isl, CHNA Chernabura Isl, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, and other parameters. Includes stations like LVA comp=N,261nm,0.9s, AKRB Atutan Reef B, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values. Includes stations like H31M, G30M, C27K, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values. Includes stations like MKAR, MKAR, MKAR, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values. Includes stations like RC01, P23K, P23K, etc.





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Table with columns: Station Name, Frequency, Power, Mode, and various status indicators. Includes stations like KRBS Karabastau, KTMS Ketmen, and many others.

2020 OCT

Table with columns: Station Name, Frequency, Power, Mode, and various status indicators. Includes stations like TSSA Tissa, HNLY Hanley, and many others.

2012 6h

Table with columns: Station Name, Frequency, Power, Mode, and various status indicators. Includes stations like E29M Blow River, ILAR Eielson Array, and many others.

DNK 20 06:22:47.70.2,0.51:71N:15:81E, h0km, ML2.2, Suspected explosion
IPEC 20 06:22:47.70.2,0.51:61N:16:03E, h1km, ML3.2/9, Error ellipse: s-maj=1.3km s-min=0.9km az=36.0
IDC 20 06:22:48.54.1,51:56N:16:18E, h0km, mbtmp3.4/6, ML2.9/6, Error ellipse: s-maj=16.2km s-min=9.0km az=121.0
BGR 20 06:22:49.0.0,3,51:52N:15:96E, h1km, ML3.3/27, Error ellipse: s-maj=3.3km s-min=1.1km az=12.0
GFZ 20 06:22:48.70.4,52:13N:3:1:06E, h1km, M3.7/35, ML3.5/35, Error ellipse: s-maj=8.2km s-min=4.0km az=32.3
VIE 20 06:22:50.50.4,51:43N:15:84E, h0km, mb2.9/16, mb2.9/15, m3.3/16, m3.3/15, Error ellipse: s-maj=3.4km s-min=2.4km az=70.0 87 km NE of Liberec Suspected Mining induced.
PRU 20 06:22:50.51:53N:15:97E, h0km
ISC 20 06:22:46.00.7,51:68N:0:03E, 16:03E:0.02, h0km, m124, c1919/194, Poland

Table with columns: Code, Station Name, Frequency, Power, Mode, Phase ID, Time, and Res. Includes stations like KSP Ksiaz, CHVC Chvalec, and many others.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like VRAC, TREC, TANN, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like MOA, KBA, DEL, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like G30M, C26K, G31M, etc.

Technical notes and coordinates for stations: IDC 20 06:44:41.7, 1.3, 54.60N, 159.82W, h0km, mb3.7/6, mblmp3.8/9, ML4.1/3, Error ellipse: s-maj=26.9km...

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like CNBA, CHNA, SDPT, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like WESN, WEBT, R16K, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Q18K, KAHC, KFGF, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Kukka Creek, Bradley Lake S, Drift River, Redoubt, Stony River, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Karatay Array, South Pole Uo, AEIC, NEIC, Chernabura Isl, Sand Point, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like West Dahl Nort, Peulik Vol, Lava Point, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Chernabura Isl, Chignik, West Dahl Nort, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like E.53nm,3.0s, E.46nm,2.6s, E.23nm,1.0s, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Mont Dzumac, Stephens Creek, Alice Springs, etc.

20d 7h

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like IPOC Station P, Diego Aracena, San Pedro de A, etc.

GUC 2007:14:59.0-0.5, 2078S-69.69W, h62km, 3km, ML2.9, Presumed earthquake, Northern Chile

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like IPOC Station P, Diego Aracena, Chuzmiza, etc.

IDC 2007:32:58.5-4.3, 37.21N-72.22E, h138km, 37km, mb3.5/7, mbmp4.1/13, Error ellipse: s-maj=32.1km s-min=20.1km az=29.0

NNC 2007:32:58.6-3.6, 37.62N-72.13E, h0km, mb4.4, mpv4.3, Error ellipse: s-maj=29.9km s-min=24.9km az=17.0

ISC 2007:33:00.3-0.7, 37.43N-0.06, 71.95E, 0.09, h130km, n44, c251/54, mb3.9/6, 4C-4D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like Uchtor, JMU, Alci, etc.

2020 OCT

Main table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like DHRM, DHRM, DHRM, etc.

1086

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like OHAK, OHAK, OHAK, etc.



20d 8h

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like RNPFS Varash, JAY Jayapura, AK21 Malin Array Si, etc.

2020 OCT

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like H03N1 Juan Fernandez, GSPA South Pole Qui, etc.

1088

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like WESN West Dahl Nort, WEBT Westdahl Beart, etc.





2020 8h

Table with columns for station ID, name, frequency, and other details. Includes stations like PNTA, VNWV, VNSV, etc.

2020 OCT

Table with columns for station ID, name, frequency, and other details. Includes stations like J20K, KLUJ, WATI, etc.

1090

Table with columns for station ID, name, frequency, and other details. Includes stations like RES, RYAN, RYAN, etc.





Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like CMAR Chiang Mai Arr, KBL Kabul, BLBK Belogradchik, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like TWA Mucha, YMO1, WNF Wu-fen Shan, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like TWC Guanxi Townshi, KSHI KSHI, ESAAO Su ao, etc.

2020 OCT 08:25:58.42.0.54:37N:159:89W, h0km, mb3.3/2, mbtmP4.9/41, ML3.4/2, Error ellipse: s-maj=43.0km s-min=28.9km az=164.0

NEIC 20 08:28:02.5:1.8, 54:36N:0:08-159:74W:0.07, h23km,6km, ML3.5/7.6, Error ellipse: s-maj=11.1km s-min=5.8km az=174.0

ISC 20 08:26:02.4:1.0, 54:41N:0:09-159:78W:0.07, h24km,n43, o599/44, South of Alaska

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like CNBA Chernabura Isl, SDPT Sand Point, CHGN Chignik, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like SUCK Suckling Hills, ADK Adak, DHY Denali Highway, etc.

IDC 20 08:37:09.8:0.5, 54:80N:159:89W, h0km, mb4.9/36, mbtmP4.9/41, ML4.5/5, MS4.1/62, Error ellipse: s-maj=14.0km s-min=7.9km az=156.0

NEIC 20 08:37:13.7:2.0, 54:63N:0:04-159:71W:0.07, h28km,4km, mb5.1/38, ML5.3/4, Mwr4.8/33, Error ellipse: s-maj=7.0km s-min=5.0km az=223.0

AEIC 20 08:37:14.7:2.3, 54:59N:0:05-159:66W:0.07, h19km,3km, Error ellipse: s-maj=7.9km s-min=5.6km az=168.0

ISC 20 08:37:13.6:0.3, 54:68N:0:04-159:75W:0.03, h27km,1km, h27km:PP-P, n917, n1908/784, mb5.1/351, MS4.1/77, 58C-14D, South of Alaska

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like Code Station Name, CNBA Chernabura Isl, SDPT Sand Point, etc.

Table with columns: Station, Name, Time, Status, Direction, Altitude, etc. Includes stations like Kodiak Island, Okmok Cone, Okmok Mt Wng Wal, etc.

Table with columns: Station, Name, Time, Status, Direction, Altitude, etc. Includes stations like Bilibino, Palautak, Sach's Harbour, etc.

Table with columns: Station, Name, Time, Status, Direction, Altitude, etc. Includes stations like YAK, Yuzhno-Sakhali, Yuzhno-Sakhali, etc.



SPMN	Marine on St.	42.55	74	P	P	08 45 06.8	+0.2
SPMN	comp=Z,41nm,1.4s			I	Amb	08 45 52.1	
HEH	HeiHe	42.76	295	eP	P	08 45 06.3	-1.9
HEH	comp=Z,29nm,1.0s			L	L		
HEH	comp=Z,150nm,17.1s			L	L		
HEH	comp=Z,380nm,16.1s			L	L		
HEH	comp=Z,420nm,16.9s			L	L		
I37A	Leonard, Waseca	42.97	76	I	Amb	08 45 19.9	
I37A	comp=Z,59m,1.2s						
H11N2	WAKE ISLAND Hy	43.10	229	T	T	09 31 13.9	
H11N2	baz=28,slow=76,SNR=578						
H11N3	WAKE ISLAND Hy	43.10	229	T	T	09 30 59.6	
H11N3	baz=28,slow=76,SNR=437						
H11N1	WAKE ISLAND Hy	43.12	229	T	T	09 31 25.6	
H11N1	baz=28,slow=76,SNR=447						
FRB	Frobisher Bay	43.64	40	LR	LR	09 04 06.7	
FRB	comp=Z,799m,21.3s,baz=295,slow=37						
USA0B	Ussuriysk Arra	43.92	286	eP	P	08 45 15.3	-2.4
USRK	Ussuriysk Arra	43.92	286	P	P	08 45 15.7	-2.0
USRK	comp=Z,3.8nm,0.5s,baz=56,slow=10,SNR=9.0			LR	LR	09 06 08.6	
USRK	comp=Z,115nm,18.2s,baz=53,slow=40						
USRK	comp=Z,3.8nm,0.5s						
USRK	Ussuriysk Arra	43.92	286	P	P	08 45 16.1	-1.6
USRK	Ussuriysk Arra	43.92	286	P	P	08 45 16.1	-1.6
H11S1	WAKE ISLAND Hy	44.26	229	T	T	09 32 49.2	
H11S1	baz=28,slow=76,SNR=400						
H11S2	WAKE ISLAND Hy	44.28	229	T	T	09 32 47.5	
H11S2	baz=28,slow=76,SNR=408						
H11S3	WAKE ISLAND Hy	44.28	229	T	T	09 32 48.9	
H11S3	baz=28,slow=76,SNR=247						
SCIA	State Center	44.41	78	I	Amb	08 45 22.6	
SCIA	comp=Z,89m,1.6s						
MNTX	Cornudas Mount	44.43	98	P	P	08 45 23.1	+1.1
MNTX	comp=Z,21nm,0.9s						
I40A	Norwalk	44.60	74	I	Amb	08 45 55.7	
I40A	comp=Z,25nm,0.7s						
F42A	Maple Grove Fa	44.80	71	I	Amb	08 45 34.8	
F42A	comp=Z,29nm,0.6s						
MDJ	Mudanjiang	44.99	288	P	S	08 45 24.9	-1.3
MDJ	comp=Z,19nm,1.0s					08 52 03.4	+0.6
MDJ	comp=Z,19nm,1.0s						
MDJ	comp=Z,260nm,23.1s			L	L		
MDJ	comp=Z,130nm,13.7s			L	L		
MDJ	comp=Z,480nm,22.3s			L	L		
MDJ	Mudanjiang	44.99	288	I	Amb	08 45 25.9	
MDJ	comp=Z,14nm,0.9s						
MJAR	Matsushiro Arr	45.42	273	P	P	08 45 29.5	-0.2
MJAR	comp=Z,30nm,0.7s,baz=35,slow=6.2,SNR=47			LR	LR	09 05 20.4	
MJAR	comp=Z,192nm,19.7s,baz=60,slow=37						
MJAR	Matsushiro Arr	45.42	273	P	P	08 45 29.6	-0.2
MJAR	comp=Z,31nm,0.7s						
MJAR	Matsushiro Arr	45.42	273	P	P	08 45 29.6	-0.2
MAJO	Matsushiro	45.42	273	P	P	08 45 30.4	+0.6
MAJO	Matsushiro	45.42	273	iP	P	08 45 29.3	-0.5
MAJO	comp=Z,72nm,0.7s						
MAJO	Matsushiro	45.42	273	P	P	08 45 29.8	0.0
MAJO	Matsushiro	45.42	273	P	P	08 45 29.8	0.0
MAJO	comp=Z,106nm,0.9s						
128A	Castleberry Fa	45.43	95	I	Amb	08 45 40.3	
128A	comp=Z,20nm,0.7s						
JFWS	Jewell Farm	45.44	75	I	Amb	08 45 32.4	
JFWS	comp=Z,17nm,0.6s						
L40A	Anamosa	45.44	77	I	Amb	08 45 38.8	
L40A	comp=Z,20nm,1.0s						
BNX	BinXian	45.48	290	iP	P	08 45 29.4	-0.7
BNX	comp=Z,45nm,1.0s						
I42A	Draeger Farm,	45.55	73	I	Amb	08 45 40.6	
I42A	comp=Z,22nm,0.8s						
P38A	Dawn	45.73	81	I	Amb	08 45 45.0	
P38A	comp=Z,22nm,0.6s						
H43A	Windswept, Lux	45.82	72	I	Amb	08 45 44.5	
H43A	comp=Z,27nm,0.7s						
WMOK	Wichita Mounta	46.06	90	P	P	08 45 35.3	+0.4
WMOK	comp=Z,4nm,1.8s						
OK052	Battle Ridge R	46.33	87	I	Amb	08 46 00.8	
OK052	comp=Z,19nm,0.8s						
TMB01	Midkiff	46.36	95	I	Amb	08 45 47.4	
TMB01	comp=Z,11nm,0.7s						
E46A	Sault Ste Mari	46.50	68	I	Amb	08 45 49.9	
E46A	comp=Z,24nm,0.8s						
DAG	Denmarks Havn	46.52	11	P	P	08 45 37.8	0.0
DAG	comp=Z,41nm,0.8s						
DAG	Denmarks Havn	46.52	11	iP	P	08 45 38.0	+0.1
DAG	comp=Z,41nm,0.8s					08 45 42.1	
N41A	Harden Midland	46.54	78	I	Amb	08 45 49.2	
N41A	comp=Z,23nm,0.6s						
JGF	Kuroka	46.57	273	P	P	08 45 39.4	+0.5
JGF	comp=Z,19nm,0.7s						
JGF	Kuroka	46.57	273	P	P	08 45 38.4	-0.4
JGF	Kuroka	46.57	273	P	P	08 45 38.5	-0.3
JGF	comp=Z,101nm,0.6s						
DEOK	Depew	46.61	87	I	Amb	08 46 12.1	
DEOK	comp=Z,18nm,0.9s						
P40A	Paris	46.65	80	I	Amb	08 45 51.8	
P40A	comp=Z,22nm,0.7s						
SUMG	Summit	46.73	21	P	P	08 45 40.6	+0.5
SUMG	comp=Z,23nm,0.9s						
SUMG	Summit	46.73	21	P	P	08 45 40.6	+0.5
SUMG	comp=Z,23nm,0.9s					08 45 53.0	
SUMG	Summit	46.73	21	P	P	08 45 41.3	+1.2
SUMG	comp=Z,31nm,1.8s						
SUMG	Summit	46.73	21	iP	P	08 45 40.0	-0.1
SUMG	comp=Z,11nm,0.7s					08 45 47.7	
INU	Inuyama	46.94	273	P	P	08 45 41.4	-0.3
INU	comp=Z,44nm,0.9s						
INU	Inuyama	46.94	273	P	P	08 45 40.8	-0.9
INU	Leonard	46.97	86	I	Amb	08 45 09.3	
INU	comp=Z,14nm,0.8s						
NR1K	Noril'sk	47.03	333	P	P	08 45 41.1	-0.8
NR1K	comp=Z,50nm,0.8s,baz=62,slow=7.2,SNR=52						
NR1K	Noril'sk	47.03	333	iP	P	08 45 41.2	-0.8
NR1K	comp=Z,55nm,0.7s						
NR1K	Noril'sk	47.03	333	P	P	08 45 42.0	0.0
NR1K	Abtlen, Hawle	47.08	92	I	Amb	08 45 52.7	
NR1K	comp=Z,11nm,0.7s						
H1LR	Hailar Array B	47.14	299	P	P	08 45 41.7	-1.5
H1LR	comp=Z,5.2nm,0.6s,baz=54,slow=7.5,SNR=4.9						
TX31	Lajitas Ar, Si	47.18	99	I	Amb	08 45 54.6	
TX31	comp=Z,5.2nm,0.6s						
TXAR	Lajitas Array	47.18	99	P	P	08 45 44.4	+0.7
TXAR	comp=Z,3.4nm,0.6s,baz=308,slow=5.6,SNR=56			LR	LR	09 04 25.4	
TXAR	comp=Z,299nm,18.5s,baz=308,slow=35						
TXAR	comp=Z,3.4nm,0.6s						
TXAR	Lajitas Array	47.18	99	P	P	08 45 44.2	+0.5
TXAR	comp=Z,11nm,0.7s						
R40A	Lajitas Array	47.36	81	I	Amb	08 46 01.6	
R40A	comp=Z,8.1nm,0.7s						
SPA0	Spitsbergen Ar	47.38	1	eP	P	08 45 44.5	-0.1
SPA0	comp=Z,5.2nm,0.6s						
SPITS	Spitsbergen Ar	47.38	1	P	P	08 45 43.7	-0.9
SPITS	Lajitas Ar, Si	47.38	1	P	P	08 45 44.5	-0.1
SPITS	comp=Z,2.0nm,0.3s,baz=31,slow=3.9,SNR=59			LR	LR	09 06 01.1	
SPITS	comp=Z,123nm,20.3s,baz=357,slow=37						
SPITS	comp=Z,2.0nm,0.3s						
U38A	Gravette	47.42	85	I	Amb	08 45 56.9	
U38A	comp=Z,10nm,0.8s						
LP1G	La Paz	47.50	110	LR	LR	09 03 28.5	
LP1G	comp=Z,96nm,18.8s,baz=322,slow=33						
SFJD	Kangerlussuaq	47.64	30	LR	LR	09 07 59.1	
SFJD	comp=Z,273nm,18.6s,baz=309,slow=39						
SFJD	Kangerlussuaq	47.64	30	P	P	08 45 47.5	+0.8
SFJD	comp=Z,42nm,1.0s						
SFJD	Kangerlussuaq	47.64	30	P	P	08 45 47.5	+0.8
SFJD	Kangerlussuaq	47.64	30	P	P	08 45 47.2	+0.5
SFJD	comp=Z,39nm,1.3s						

SFJD	Kangerlussuaq	47.64	30	iP	P	08 45 47.9	+1.2
SFJD	comp=Z,19nm,0.9s			I	Amb	08 45 48.2	
SFJD	Kangerlussuaq	47.64	30	P	P	08 45 47.5	+0.8
SFJD	comp=Z,19nm,0.9s					08 45 56.1	+1.1
CN2	Changchun	47.80	289	P	P	08 45 47.3	-1.0
CN2	comp=Z,30nm,0.6s					08 45 55.9	-0.6
HP1G	comp=Z,8.2nm,0.7s	47.86	103	P	P	08 45 50.1	+0.9
DBG	Daneborg	48.46	14	P	P	08 45 53.3	+0.3
DBG	comp=Z,25nm,1.0s						
DBG	Daneborg	48.46	14	iP	P	08 45 52.6	-0.4
DBG	comp=Z,18nm,0.9s			I	Amb	08 45 57.4	
Q44A	Meyer Farm, Va	48.80	78	I	Amb	08 46 05.7	
Q44A	comp=Z,21nm,0.9s						
T42A	Van Buren	48.91	82	I	Amb	08 47 38.4	
T42A	comp=Z,19nm,1.4s						
VLDQ	Val d'Or	48.97	62	I	Amb	08 46 22.4	
VLDQ	comp=Z,18nm,1.1s						
MIAR	Mount Ida	49.22	86	P	P	08 45 59.2	-0.1
MIAR	comp=Z,10nm,1.1s						
HUU	Hanhung	49.23	284	P	S	08 45 58.6	-0.6
HUU	comp=Z,103nm,1.7s			A	Amb	08 53 02.1	-1.1
HUU	comp=Z,103nm,1.7s						
P46A	Roadside	49.34	76	I	Amb	08 46 11.1	
P46A	comp=Z,24nm,0.8s						
LCAR	Lake Charles	49.54	82	P	P	08 46 00.5	-1.3
LCAR	comp=Z,4.8nm,0.7s,baz=296,slow=10,SNR=4.9					08 46 03.3	+0.6
SCHO	Schoeffville	49.69	49	LR	LR	09 08 22.8	
SCHO	comp=Z,482nm,20.6s,baz=314,slow=38						
SCHO	comp=Z,4.8nm,0.7s						
JMN	Monobe	49.91	274	P	P	08 46 05.5	+0.8
JMN	comp=Z,141nm,0.8s,baz=296,slow=21,SNR=4.7					08 46 05.8	+0.4
JCJ	Chichibu	50.01	261	P	P	08 46 05.8	+0.4
JCJ	comp=Z,141nm,0.8s,baz=296,slow=21,SNR=4.7			LR	LR	09 05 49.7	
JCJ	comp=Z,96nm,21.4s,baz=5.5,slow=34						
JCJ	comp=Z,141nm,0.8s						
N49A	Columbus Grove	50.14	73	I	Amb	08 46 22.8	
N49A	comp=Z,18nm,0.9s						
SADO	Sadowa	50.29	66	LR	LR	09 07 45.7	
SADO	comp=Z,153nm,19.9s,baz=346,slow=36						
P48A	Milroy	50.45	75	I	Amb	08 46 19.2	
P48A	comp=Z,33nm,1.2s						
KS19	Wonju Array Si	50.70	282	I	Amb	08 46 11.8	
KS19	comp=Z,18nm,0.8s						
KSR5	Korea Array	50.71	282	P	P	08 46 10.8	+0.2

20d 8h

Table with columns: Station, Frequency, Mode, Power, SNR, Azimuth, Elevation, and other parameters. Includes stations like FINES, KURK, GAT2, and various array stations.

2020 OCT

Table with columns: Station, Frequency, Mode, Power, SNR, Azimuth, Elevation, and other parameters. Includes stations like SATY, KUU, BELG, MINK, and various array stations.

1096

Table with columns: Station, Frequency, Mode, Power, SNR, Azimuth, Elevation, and other parameters. Includes stations like AK22, AK20, AK03, AK04, AK18, AK19, AKASG, and various array stations.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like RJOB Jochberg, PMG Port Moresby, PSZ Piszkesteto, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CBE Ff. Capester, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like KDWAN Kaudwane, LKWB Logwabe, LBTB Lokbate, etc.





20d 10h

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like R17L Mt. Poulik Vol, AKUT Akutan, SII Sitkinak Island, etc.

KOLA 20 10:26:14.3, 64.71N;30.85E, h0km, ML2.3, Error ellipse: s-maj=13.0km s-min=10.2km az=150.0, Kostomuksha, Karelia
HEL 20 10:26:14.3, 0.2, 64.78N;30.72E, h0km, ML2.0, Explosion IGKR 20 10:26:15.0, 0.4, 64.74N;0.03;30.7E;0.3, M2.5(MOS), The earthquakes of Russia in 2020. Obninsk, GS RAS, 2022.
IDC 20 10:26:16.1, 3.0, 64.79N;30.75E, h0km, mbtmp3.1/4, ML2.2/4, Error ellipse: s-maj=40.8km s-min=11.6km az=98.0
ISC 20 10:26:14.9, 0.9, 64.81N;0.02;30.59E;0.04, h0km, n48,

2020 OCT

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like RMF Romuvaara, RUF Kurvinen, RUM Riekkilä, etc.

1100

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like PB01 IPOC Station P, PB01 IPOC Station P, PB02 IPOC Station P, etc.



1101

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H11N3 WAKE ISLAND Hy 42.88 230 T T 11 43 58.9

1101 10:54:37.1±2.0, 54.338N:159.84W, h0km, mb3.5/2, mbtmp3.5/5, ML3.1/2, MS2.6/1, Error ellipse: s-maj=40.7km s-min=22.7km az=150.0

NEIC 20:10:54:39.0±0.9, 54.18N:0.02:159.75W:0.1, h29km, 12km, ML3.1/16, Error ellipse: s-maj=11.0km s-min=3.1km az=90.0

ISC 20:10:54:41.0±1.3, 54.34N:0.1:159.61W:0.08, h35km, n20, r152/21, South of Alaska

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CNBA Chernabura Isl 0.54 1 A Op ISC h m s ISC 11 43 11.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like S12K Black Hills 2.01 316 Pn Pn 10 55 11.8

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KODAK Kodiak Island 5.27 45 Pn Pn 10 55 56.9

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like N14K Kuskokwak Cree 5.77 350 Pn Pn 10 56 04.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TXAR Lajitas Array 47.03 99 P P 11 03 11.2

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KRSR Korea Array 50.87 282 LR LR 11 28 27.4

1101 11:11:34.6±1.6, 19.515S:177.72W, h0km, mb3.5/4, mbtmp3.5/4, Error ellipse: s-maj=50.0km s-min=37.0km az=142.0, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr 45.01 261 Op Pn 11 19 51.8

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GSPA South Pole Qui 70.56 180 P 11 22 51.3

1101 11:13:20.6±1.5, 51.55N:75.12E, h0km, mbtmp3.0/2, ML2.2/2, Error ellipse: s-maj=25.0km s-min=10.4km az=30.0

ISC 20:11:13:20.9±1.2, 51.56N:0.1:75.00E:0.09, h10km, n7, r244/7, 2C-2D, Eastern Kazakhstan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KURBB Kurchatov Arra 2.41 111 Op Pn 11 14 02.7

NEIC 20:11:15:02.1±2.3, 54.48N:0.03:159.7W:0.1, h21km, 12km, ML3.5/24, Error ellipse: s-maj=11.9km s-min=3.9km az=98.0, South of Alaska

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CNBA Chernabura Isl 0.34 11 Pg Pn 11 15 09.0

2020 OCT

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like OHAK Old Harbor 4.54 50 Pn Pn 11 16 08.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like N14K Kuskokwak Cree 5.56 350 Pn Pn 11 16 22.4

1101 11:39:24.5±3.1, 58.66N:15.00E, h0km, mbtmp3.6/2, ML2.3/3, Error ellipse: s-maj=29.9km s-min=11.9km az=13.0

DNK 20:11:39:24.9±1.7, 58.91N:15.29E, h0km, ML2.6, Suspected explosion

UPP 20:11:39:25.3±0.1, 58.82N:15.11E, h0km, ML2.4, Confirmed Induced event

HEL 20:11:39:26.4±0.1, 58.80N:15.12E, h0km, ML1.8, Explosion

LVSN 20:11:40:01.1±5.3, 59.15N:20.15E, h0km, 34km, ML1.8, Presumed earthquake

ISC 20:11:39:24.0±0.7, 58.80N:0.02:15.09E:0.02, h0km, n39, r141/59, Sweden

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ASKU Askersund baz=117 0.17 306 P Pg 11 39 28.7

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like STRU Stroemstad 2.04 278 eP Pn 11 40 02.1

1101 11:43:30.6±1.6, 19.515S:177.72W, h0km, mb3.5/4, mbtmp3.5/4, Error ellipse: s-maj=50.0km s-min=37.0km az=142.0, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ONAU Onsala 2.19 232 iP Sg 11 40 04.4

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BSD Bornholm Skovs 3.69 182 iP Pn 11 40 24.2

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SLIT Slitere, Latvi 3.98 104 eP Pn 11 40 37.4

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RAFA Rauma 4.04 54 eP Pn 11 40 28.7

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RAFA Rauma 4.04 54 eP Pn 11 40 28.7

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RAFA Rauma 4.04 54 eP Pn 11 40 28.7

20d 11h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FINES comp=E,0.6nm,0.3s 11 16 08.0

ARCES ARCESS Array B 11.67 18 Pn Pn 11 42 10.7

ARCES comp=E,0.1nm,0.3s,baz=202,slow=14,SNR=2.5 11 42 10.7

ARCES comp=E,5.8nm,1.1s 11 42 10.7

1101 11:42:59.2±0.9, 54.53N:159.71W, h0km, mb3.9/12, mbtmp3.8/15, ML3.7/3, MS3.0/1, Error ellipse: s-maj=24.3km s-min=14.1km az=156.0

NEIC 20:11:42:59.7±1.8, 54.23N:0.05:159.61W:0.09, h19km, 5km, mb4.0/21, ML3.7/24, ML3.6(AEIC), Error ellipse: s-maj=9.9km s-min=6.7km az=139.0

AEIC 20:11:43:01.2±1.9, 54.17N:0.06:159.67W:0.09, h20km, 4km, Error ellipse: s-maj=10.1km s-min=6.9km az=147.0

ISC 20:11:42:59.8±1.9, 54.25N:0.07:159.60W:0.04, h17km±11km, n147, r152/16/140, mb3.9/12, South of Alaska

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CNBA Chernabura Isl 0.57 0 Op Pn 11 43 11.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like S12K Black Hills 2.03 317 Pn IAML 11 43 37.1

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like S12K Black Hills 2.03 317 Pn IAML 11 43 37.1

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WESN West Dahl Nor 2.93 278 Pn 11 43 45.5

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AKUT Akutan 3.63 271 P S 11 43 54.2

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like UNV Unalaska Valle 4.09 267 P S 11 43 59.7

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KODAK Kodiak Island 5.29 45 Pn Pn 11 44 17.5

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KODAK Kodiak Island 5.29 45 Pn Pn 11 44 17.5

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KODAK Kodiak Island 5.29 45 Pn Pn 11 44 17.5

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like O16K Kokwok River B 5.42 8 Pn 11 44 20.8

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like O16K Kokwok River B 5.42 8 Pn 11 44 20.8

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like O16K Kokwok River B 5.42 8 Pn 11 44 20.8

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like O16K Kokwok River B 5.42 8 Pn 11 44 20.8

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like O16K Kokwok River B 5.42 8 Pn 11 44 20.8

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like O16K Kokwok River B 5.42 8 Pn 11 44 20.8

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like O16K Kokwok River B 5.42 8 Pn 11 44 20.8

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like O16K Kokwok River B 5.42 8 Pn 11 44 20.8







1105

Table with columns: IATA, City, Altitude, Frequency, Power, Mode, and other flight details. Includes entries like BGNE Belgrade, 121A Cookies Peak, E38A The Farm, etc.

2020 OCT

Table with columns: IATA, City, Altitude, Frequency, Power, Mode, and other flight details. Includes entries like SUMG Summit, HILR Hailar Array B, TXAR Lajitas Array, etc.

20d 12h

Table with columns: IATA, City, Altitude, Frequency, Power, Mode, and other flight details. Includes entries like ANGG comp=Z,260m,0.8s, T50A Nancy, XLT XilinHaoTe, etc.







Table with columns: Station Name, Frequency, Power, Mode, Azimuth, Elevation, and other parameters. Includes stations like SMLA Simla, KBL Kabul, GDSO La Sidrae, etc.

Table with columns: Station Name, Frequency, Power, Mode, Azimuth, Elevation, and other parameters. Includes stations like QIS Mount Isa, WBO Warrungarra, WRW Warrungarra, etc.

Table with columns: Station Name, Frequency, Power, Mode, Azimuth, Elevation, and other parameters. Includes stations like KDAK Kodiak Island, OKSP Okmok Steeple, P18K Big Mountain, etc.

Additional information and notes at the bottom right, including a code table and station details.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like SDPT Sand Point, VNKR Veniaminof 5, PNTA Pavlov North-7, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like ML3.1(NAO), NAO 20 12:40:00.0, KOLA 20 12:40:00.2, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like MOS 20 13:19:59.2, BUI 20 13:20:01.0, PTWC 20 13:20:02.0, etc.

20d 13h

Table with columns for station code, name, frequency, and other technical details. Includes stations like ASAJ Asahikawa, ANJ Manado, PMG Port Moresby, etc.

2020 OCT

Table with columns for station code, name, frequency, and other technical details. Includes stations like BJI2, PMSI Majene, BKSI Bulukumba, KAPI Kappang, etc.

1110

Table with columns for station code, name, frequency, and other technical details. Includes stations like KMMI Kalianget, ABJI Asem Bagus, KMI2 Kunming, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like YAK, BBJ, WRKA, ATKA, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like CAN, AUMAR, CNB, AUHUS, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like TAU, GRZ, ABAB, F19K, etc.

20d 13h

Table with columns for station ID, name, elevation, frequency, and other parameters. Includes stations like KWHZ, CCB, ARHZ, BOOM, COLA, etc.

2020 OCT

Table with columns for station ID, name, elevation, frequency, and other parameters. Includes stations like BVAR, F28M, B28K, BORK, etc.

1112

Table with columns for station ID, name, elevation, frequency, and other parameters. Includes stations like WAH2, O03E, K05A, HATC, D08A, etc.



Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Type, and other parameters. Includes stations like AHID, HWUT, KBZ, RLMT, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Type, and other parameters. Includes stations like NOA, BRTR, MAW, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Type, and other parameters. Includes stations like O15K, O15K, O15K, etc.

10C 20 13:35:59.0, 0.9, 54:57N; 159:85W, h0km, mb4.0/13, m1mp4.0/16, ML3.3/9.3, Error ellipse: s-maj=19.2km s-min=11.2km az=151.0 NEIC 20 13:36:01.9, 1.1, 54:22N; 159:66W; 0.09, h19km, 4km, mb4.1/28, ML3.8/30, ML3.6(AEIC), Error ellipse: s-maj=11.2km s-min=7.7km az=169.0 AEIC 20 13:36:03.5, 1.3, 54:23N; 0.04-159:70W; 0.08, h16km, 4km, Error ellipse: s-maj=8.1km s-min=4.8km az=124.0 ISC 20 13:36:03.9, 0.6, 54:31N; 0.06-159:61W; 0.04, h35km, n151, s1918/143, mb4.0/17, South of Alaska

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Type, and other parameters. Includes stations like CNBA, CHNA, CHNA, etc.



1115

Table with columns: UCC, Uccle, 19.19 121 dP, P, 13 47 39.9 -1.2, etc. Lists various locations and their associated data points.

2020 OCT

Table with columns: STU, Stuttgart, 22.69 117 P, P, 13 48 19.3 +0.5, etc. Lists various locations and their associated data points.

20d 13h

Table with columns: POLO, Lamas de Olo, 24.06 153 eP, P, 13 48 33.3 +0.5, etc. Lists various locations and their associated data points.





20d 13h

Table with columns: TIXI, comp-Z, pmax, pmax, EROS Data Cent, 45.30 281 P P, 13 51 35.1 -0.1, 13 51 23.2, 13 51 18.6 +0.1, 13 51 23.2, 13 51 19.7 +1.2, 13 51 20.9, 13 51 18.6 -0.8, 13 51 20.9, 14 08 19.0, 13 51 20.2 -0.5, 13 51 23.4, 14 08 20.3, 14 08 03.8, 13 51 21.9, 14 10 42.3, 14 11 11.5, 13 51 22.7, 13 51 31.3, 14 07 36.4, 13 51 18.8 -4.0, 13 51 47.0 -6.5, 14 01 01.4 -7.1, 13 51 23.9, 14 09 30.1, 14 07 51.3, 14 10 12.7, 13 51 36.7, 14 11 21.1, 13 51 25.4, 14 11 17.3, 13 51 26.0 +0.1, 13 51 25.9 +0.1, 13 51 26.5 +0.7, 13 51 25.7 -0.1, 13 51 33.1, 14 08 04.3, 13 51 27.3, 14 10 10.8, 13 51 28.6, 13 51 29.0, 13 51 33.5, 14 07 55.3, 14 11 20.1, 13 51 29.5, 14 13 01.6, 13 51 30.2, 13 51 30.0, 14 12 39.7, 13 51 38.3, 14 08 16.9, 14 08 07.2, 14 11 46.6, 13 51 31.3, 13 51 33.0, 13 51 32.3, 14 09 04.6, 13 51 32.7 +1.2, 13 51 33.0 +1.5, 14 10 58.2, 14 10 32.1, 13 51 39.4, 14 08 58.1, 13 51 33.4 +0.3, 13 51 33.4 +0.3, 13 51 36.4, 13 51 34.0 +0.9, 13 51 33.5, 14 10 00.7, 14 10 36.0, 13 51 34.5, 14 11 46.5, 13 51 35.0, 14 11 32.1, 14 10 18.4, 13 51 34.1 -0.5, 14 09 01.3, 13 51 34.4 -0.2, 14 08 08.5, 13 51 34.7 -0.1, 13 51 35.0 +0.2, 14 09 48.2, 13 51 37.0, 14 09 26.3, 13 51 51.7, 13 51 55.2, 13 51 55.1

2020 OCT

Table with columns: EROS Data Cent, 45.30 281 P P, 13 51 35.1 -0.1, 13 51 35.1 0.0, 13 58 13.2 -2.7, 13 51 38.7, 14 12 09.1, 13 51 38.3, 13 51 38.2, 13 51 34.8 -0.9, 13 53 13.9 -0.8, 14 11 05.5, 13 51 39.0 +2.8, 13 51 49.8, 13 51 36.3 -0.3, 13 51 35.7 -0.9, 13 51 36.1 -0.5, 13 51 37.3, 13 51 36.3 -0.3, 13 51 41.9, 13 51 38.4, 14 12 50.6, 14 10 15.1, 13 51 44.4, 14 08 40.4, 13 51 39.3, 13 51 39.0, 13 51 39.3, 14 11 23.0, 13 51 40.5, 14 11 47.5, 14 11 59.0, 13 51 37.6 -0.7, 13 51 41.3, 13 51 49.8, 13 51 49.8, 13 51 40.0, 13 51 40.3, 13 52 10.1, 14 08 42.6, 14 11 56.0, 14 11 32.2, 13 51 43.2, 14 12 50.9, 13 51 45.7, 14 11 54.0, 13 51 41.1, 14 12 26.9, 13 51 42.6, 13 51 44.2, 14 11 06.0, 13 51 44.2, 13 51 43.2, 13 51 42.5, 13 51 43.7, 14 09 40.3, 13 51 51.9, 14 10 56.4, 13 51 48.4, 13 51 50.3, 14 09 11.2, 13 51 44.9, 13 51 45.9, 14 11 46.9, 13 51 58.7, 13 51 46.2, 14 11 32.6, 14 09 40.3, 13 51 45.9, 13 51 46.6, 13 51 46.6, 14 13 02.1, 13 51 46.0 -0.2, 14 14 07.5, 13 51 49.0, 14 11 45.5, 13 51 49.1, 14 11 46.1, 13 51 49.6, 13 51 53.6, 13 51 53.5, 14 09 37.3, 13 51 51.7, 14 13 28.0, 14 11 42.9, 13 52 07.6, 14 11 55.2, 13 51 55.1

1118

Table with columns: comp-Z, 2.73nm, 1.7s, 47.05 316 Iamb Iamb, 13 51 50.6, 14 10 04.4, 14 10 60.0, 13 51 55.7, 14 12 04.7, 13 51 55.0, 13 51 53.1, 14 09 31.0, 14 12 46.1, 13 51 54.6, 14 13 08.4, 14 13 56.7, 13 52 00.3, 13 51 52.6, 14 11 32.9, 13 51 54.3, 14 09 45.4, 13 51 54.4, 13 51 51.6 -1.3, 13 51 51.6 -1.3, 13 51 52.1 -0.8, 13 51 55.8, 14 12 06.7, 13 51 52.8 -0.9, 13 51 52.8 -0.9, 13 51 59.2, 13 51 53.2 -0.5, 14 10 02.9, 13 51 56.0, 14 15 07.9, 13 51 54.7 +0.9, 13 51 56.1, 13 51 57.4, 14 12 09.4, 13 52 07.6, 14 12 14.4, 13 51 56.3, 14 11 07.7, 13 51 58.1, 14 14 12.8, 14 10 35.5, 13 51 55.8, 13 52 04.6, 14 10 41.8, 13 51 57.1, 14 14 20.1, 13 51 57.4, 14 13 36.7, 13 51 58.0 +0.7, 14 12 07.0, 13 51 57.5 -0.4, 13 51 57.5 -0.4, 13 51 58.0 +0.1, 13 51 58.1, 13 51 57.7 +0.3, 13 51 57.9 +0.3, 13 51 56.5 -1.1, 14 12 40.6, 14 15 50.4, 13 52 23.4, 14 13 17.3, 14 12 26.4, 13 52 00.6, 14 11 11.7, 14 12 31.9, 14 11 42.0, 13 52 00.7 -0.6, 13 52 03.9, 13 52 02.4, 14 13 09.3, 14 14 15.2, 13 52 02.4, 13 52 06.1, 13 52 05.6, 13 52 05.6, 14 13 03.9, 13 52 05.0, 13 52 17.5, 14 13 42.0, 13 52 16.1, 13 52 05.7





20d 13h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like MVCO, ABTX, CAIB, AAA, etc.

2020 OCT

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like NVAR, JCC, LHV, MZP, etc.

1120

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like BFSC, PFO, PFO, PFO, etc.





IDC 20 14:01:19.9.0.5, 7.59N, 36.13W, h0km, mb4.3/24, mbmp4.3/25, ML4.2/1, MS4.4/32, Error ellipse: s-maj=15.0km s-min=11.3km az=121.0

GFZ 20 14:01:19.6.0.2, 7.74N, 3.36W, h10km, M4.8/26, mb4.8/26

BGR 20 14:01:21.1, 7.16N, 36.53W, h10km, mb4.9

NEIC 20 14:01:22.5.1.6, 7.46N, 0.10, 36.06W, 0.10, h10km, 1km, mb4.9/15, Error ellipse: s-maj=17.4km s-min=16.0km az=145.0

GCMT 20 14:01:23.5.0.3, 7.60N, 0.02, 36.10W, 0.01, h12km, MW5.0/17, Moment Tensor Solution, c30, c35, s117.0, t171.0, Duration: 0, Moment tensor: Scale 1016Nm; M<sub>xx</sub>=-0.42; M<sub>yy</sub>=0.49; M<sub>zz</sub>=-1.2; M<sub>xy</sub>=0.09; M<sub>xz</sub>=0.08; M<sub>yz</sub>=-0.34; M<sub>xx</sub>-3.47; M<sub>yy</sub>-1.61; P1: Best double couple; M<sub>xx</sub>3.872000\*10<sup>16</sup> NPI<sub>xx</sub>6.860000\*10<sup>16</sup>; λ174.00000°. NP2: λ178.00000°. δ85.00000°. λ24.00000°. Principal axes: T 4.3270, Plg20.0000°, Azm44.0000°; N -0.9110, Plg66.0000°, Azm189.0000°; P -3.4170, Plg13.0000°, Azm309.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 20 14:01:21.9.0.4, 7.43N, 0.06, 36.14W, 0.07, h15km, n241, c125/172, mb4.8/131, MS4.5/31, Central Mid-Atlantic Ridge

Code	Station Name	Δ°	AZ°	Op	Phase ID	Time	Res
						h m s	ISC
NBMO	Morrinhos-CE	11.36	200	eP	ISC	14 04 03.4	-0.4
NBPS	Pedro II - PI	12.88	204	eP	Pn	14 04 23.5	-1.2
RCBR	Riachuelo	13.17	179	Pn	Pn	14 04 28.0	+0.2
RCBR	0.4nm, 0.3s, baz=4.5, slow=19, SNR=14				Sn	14 06 44.0	-1.1
RCBR	comp=Z.200nm, 19.3s, baz=15, slow=31, 6.1nm, 0.6s				LR	14 08 18.1	
RCBR	Riachuelo	13.17	179	P	AML	14 04 23.8	-4.8
NBPV	comp=Z.37nm, 0.7s	13.78	176	eP	Pn	14 04 37.6	+0.7
NBMA	Muriti-CE	14.90	54.3	eP	Pn	14 04 54.3	+1.7
NBTA	Tacaratu-PE	16.55	187	eP	Pn	14 05 14.8	+1.0
MDP	Montagnes des	16.56	263	Pn	Pn	14 05 12.6	-1.2
NBPN	0.2, 0.4nm, 0.3s, baz=76, slow=16, SNR=4.1	17.80	193	eP	Pn	14 05 40.7	+1.5
SMTB	Santa Maria do	19.80	215	eP	Pn	14 05 52.0	0.0
SDBA	SAO DESIDERIO	21.55	204	eP	P	14 06 11.2	+0.3
NBIT	Itapeh - BA	22.46	188	eP	P	14 06 19.6	-1.0
ITTB	Itatuba	22.80	240	eP	P	14 06 23.8	-0.5
CMC01	Camacan, BA	22.89	188	eP	P	14 06 27.1	+1.4
NPGB	Novo Progresso	23.96	234	eP	P	14 06 35.6	-0.4
SNDV	Serra Nova Dou	24.47	218	eP	P	14 06 41.6	+1.0
BOAV	Boa Vista	24.79	260	eP	P	14 06 43.8	+0.2
BOAV	comp=Z.34nm, 1.2s	24.79	260	eP	Iamb	14 06 47.0	
BOAV	Boa Vista	24.79	260	eP	P	14 06 44.1	+0.5
H05S1	Guadalupe/Mar	25.21	288	T	T	14 33 03.6	
MPOM	Morne Pois Mar	25.23	288	P	Iamb	14 06 48.7	+1.2
MPOM	comp=Z.52nm, 1.8s	25.23	288	P	Iamb	14 06 52.9	
MPOM	Morne Pois Mar	25.23	288	P	P	14 06 47.9	+0.4
ILAM	Illet Lapin Mar	25.32	289	P	Iamb	14 06 49.6	+1.3
ILAM	comp=Z.38nm, 1.1s	25.32	289	P	Iamb	14 06 59.1	
ILAM	Illet Lapin Mar	25.32	289	P	P	14 06 49.1	+0.8
SVN	Savane Anatele	25.62	289	P	P	14 06 51.8	+0.7
BDFB	Brasilia	25.76	207	P	P	14 06 53.6	+1.1
BDFB	comp=Z.8.7nm, 0.9s, baz=28, slow=12, SNR=6.4	25.76	207	P	P	14 06 53.6	+1.1
BDFB	Brasilia	25.76	207	P	Iamb	14 06 52.4	0.0
BDFB	comp=Z.32nm, 1.3s	25.76	207	P	Iamb	14 07 03.8	
H05N1	Guadalupe/Mar	25.90	292	T	T	14 33 37.1	
GSD	La Desirade Is	25.91	292	P	P	14 06 51.4	-2.4
MAGL	Barre de l'ile	26.01	291	P	P	14 06 55.9	+1.4
MAGL	Barre de l'ile	26.01	291	P	P	14 06 54.3	-0.3
TDBA	Terre de Bas,	26.31	291	P	P	14 06 56.9	-0.4
H10N3	ASCENSION HYDR6.38	125	T	T	T	14 34 35.5	
H10N2	ASCENSION HYDR6.38	125	T	T	T	14 34 35.7	
H10N1	ASCENSION HYDR6.40	125	T	T	T	14 34 37.0	
SJMB	Sao Joao De Ma	26.44	191	eP	P	14 06 59.0	+0.6
SBSF	Barra de Sao F	26.50	190	eP	P	14 06 55.0	-3.9
CLDB	Colider	26.71	227	P	P	14 06 57.8	-3.1
H10S3	ASCENSION HYDR6.91	127	T	T	T	14 35 13.5	
H10S2	ASCENSION HYDR6.91	127	T	T	T	14 35 14.8	
ARAC	Araguaina, MT	27.74	214	eP	P	14 07 11.7	+1.5
PHOZ	Ponte Moniz, M	30.73	32	eT	T	14 39 23.3	
FUL	Funchal	30.81	33	eT	T	14 39 24.1	
PMAR	Madeira	30.86	33	eT	T	14 39 26.8	
PDPB	Patillas Dam,	30.94	293	P	P	14 07 39.9	+1.4
PDPB	comp=Z.18nm, 1.2s	30.94	293	P	Iamb	14 07 50.2	
DBIC	Dimbokro	31.05	89	P	P	14 07 39.6	-0.1
DBIC	comp=Z.2.3nm, 0.7s, baz=267, slow=9.4, SNR=4.7	31.05	89	P	Iamb	14 07 49.9	
DBIC	Dimbokro	31.05	89	P	Iamb	14 07 49.9	
CELP	Cerrillos	31.46	293	P	P	14 07 44.8	+1.6
CELP	comp=Z.17nm, 1.1s	31.46	293	P	Iamb	14 07 45.9	
PTLB	Pontes e Lacer	32.19	225	P	P	14 07 50.7	+1.2
PTLB	comp=Z.25nm, 1.8s	32.19	225	P	Iamb	14 08 01.6	
PTLB	Pontes e Lacer	32.19	225	eP	P	14 07 51.3	+1.8
BBSO	Serra de San D	34.40	224	eP	P	14 08 10.5	+1.6
TIOU	Tiouine	35.72	45	P	P	14 08 18.3	-2.0
MURT	Porto Martinho	35.77	216	eP	P	14 08 22.1	+1.5
SDDR	Presa de Saban	36.01	292	P	P	14 08 20.6	-2.2
TORD	Torodi Ar. Bea	37.63	78	P	P	14 08 35.5	-1.1
TORD	comp=Z.2.8nm, 0.8s, baz=266, slow=5.8, SNR=13	37.63	78	P	P	14 08 35.5	-1.1
ROSC	El Rosal	38.04	268	P	P	14 08 40.9	+0.3
ROSC	comp=Z.8.8nm, 0.4s, baz=85, slow=11, SNR=4.6	38.04	268	P	Iamb	14 08 40.9	+0.3
ROSC	El Rosal	38.04	268	P	Iamb	14 08 45.1	
MD31	MD31	38.56	45	P	P	14 08 45.7	+1.3
MD31	comp=Z.13nm, 0.6s	38.56	45	P	Iamb	14 09 47.0	
MD01	Midelt array s	38.56	45	P	P	14 08 45.2	+0.7
PFVI	Vila Bisbo	38.61	36	eP	P	14 08 46.6	+2.1
PFVI	comp=Z.34nm, 1.7s	38.61	36	eP	Iamb	14 08 49.4	
MDT	Midelt	38.64	45	LR	LR	14 23 18.0	
PBDV	Barranco-do-Ve	39.21	37	eP	P	14 08 52.3	+2.6
PBDV	comp=Z.582nm, 19.4s, baz=233, slow=34	39.21	37	eP	Iamb	14 08 53.0	
CZSB	Cruzeiro do Su	39.45	248	eP	P	14 08 51.9	0.0
LPAZ	La Paz	39.47	233	P	P	14 08 54.4	+1.7
LPAZ	comp=Z.4.8nm, 0.7s, baz=43, slow=8.1, SNR=12	39.47	233	P	P	14 08 53.3	+0.6
LPAZ	La Paz	39.47	233	P	P	14 08 50.5	-2.2
LPAZ	comp=Z.16nm, 1.0s	39.47	233	eP	P	14 08 52.5	-0.3
PARRA	Arraiolos	40.22	35	eP	P	14 09 00.6	+2.6
PARRA	comp=Z.51nm, 1.8s	40.22	35	eP	Iamb	14 09 04.8	
PESTR	Estremoz	40.53	35	eP	P	14 09 01.3	+0.9
PESTR	comp=Z.47nm, 2.0s	40.53	35	eP	Iamb	14 09 26.8	
PSARD	Sardoal	40.69	34	eP	P	14 09 03.3	+1.4
PSARD	comp=Z.45nm, 1.7s	40.69	34	eP	Iamb	14 09 43.0	
PMRV	Marv??o	41.00	35	eP	P	14 09 05.8	+1.3

PMRV	comp=Z.50nm, 1.7s				Iamb	Iamb	14 09 11.8	
MTE	Manteigas	41.59	33	eP	P	P	14 09 10.5	+1.1
MTE	comp=Z.44nm, 1.8s	41.59	33	eP	Iamb	Iamb	14 09 46.3	
MTE	Manteigas	41.59	33	P	P	P	14 09 09.4	0.0
PMTE	comp=Z.24nm, 1.5s	41.59	33	eP	P	P	14 09 10.5	+0.9
PB16	IPOC Station P	41.71	232	P	P	P	14 09 09.5	-1.7
PVRL	Vila Real	42.12	32	eP	P	P	14 09 14.7	+1.1
PGAV	Gavireira, Arco	42.32	31	eP	P	P	14 09 15.5	+4.1
PGAV	comp=Z.8.9nm, 1.7s	42.32	31	eP	Iamb	Iamb	14 09 59.9	
SALTA	comp=Z.63nm, 1.5s							
ESDC	comp=Z.512nm, 19.6s, baz=231, slow=31	43.10	222	P	P	P	14 09 18.9	-3.5
ESDC	comp=Z.1.4nm, 0.9s, baz=233, slow=7.9, SNR=4.8	43.10	222	P	LR	LR	14 23 43.7	
ESDC	comp=Z.1.4nm, 0.9s, baz=242, slow=16, SNR=4.2	43.15	37	Iamb	Iamb	Iamb	14 09 36.3	
TA01	Diego Aracena	43.52	230	P	P	P	14 09 22.1	-3.1
PB05	IPOC Station P	44.91	227	P	P	P	14 09 34.4	-2.1
BATG	Bathurst New B	47.20	332	P	P	P	14 09 55.0	+0.9
BATG	comp=Z.12nm, 1.0s	47.20	332	P	Iamb	Iamb	14 09 56.2	
G62A	West Usutu	47.99	328	P	P	P	14 10 02.3	+2.0
KSPA	Keystone Colle	48.84	321	P	P	P	14 10 07.6	+0.8
KSPA	comp=Z.19nm, 1.1s	48.84	321	P	Iamb	Iamb	14 10 09.9	
SS7A	Dark Hollow, R	49.08	315	P	P	P	14 10 10.0	+1.2
SS7A	comp=Z.21nm, 1.2s	49.08	315	P	Iamb	Iamb	14 10 12.8	
BLA	Blacksburg	49.89	313	P	P	P	14 10 17.6	+2.5
BLA	Kesra	50.18	49	P	P	P	14 10 16.9	-0.4
KEST	comp=Z.6.6nm, 1.0s, baz=242, slow=16, SNR=4.2	50.18	49	P	LR	LR	14 30 09.4	
KEST	comp=Z.973nm, 21.2s, baz=244, slow=34	50.18	49	P	Iamb	Iamb	14 10 19.7	
KEST	comp=Z.6.6nm, 1.0s	50.18	49	P	Iamb	Iamb	14 10 23.6	+1.0
BG3	Lake Jocassee	50.89	310	P	P	P	14 10 27.4	
BG3	comp=Z.23nm, 1.3s	50.89	310	P	Iamb	Iamb	14 10 27.4	
PS3A	Whipple	51.55	315	P	P	P	14 10 29.4	+1.8
TKL	comp=Z.170cm, 18.2s, baz=242, slow=34	51.77	310	LR	LR	LR	14 30 20.1	
N53A	Lisbon	51.77	317	P	P	P	14 10 31.8	+2.6
N53A	comp=Z.27nm, 1.2s	51.77	317	P	Iamb	Iamb	14 10 32.9	
TZTN	Tazewell	51.93	311	P	P	P	14 10 32.2	+1.9
Q52A	Bidwell	51.95	314	P	P	P	14 10 32.6	+2.2
O52A	Adamsville	52.14	316	P	P	P	14 10 32.6	+0.7
SADO	Sadovna	52.64	322	LR	LR	LR	14 30 27.4	
ACSO	Alum Creek Sta	52.99	316	Iamb	Iamb	Iamb	14 10 41.7	
ACSO	comp=Z.25nm, 1.1s	52.99	316	Iamb	Iamb	Iamb	14 10 41.7	
SCHO	Schefferville	53.26	338	P	P	P	14 10 38.5	-1.4
SCHO	comp=Z.3.2nm, 0.5s, baz=211, slow=5.9, SNR=3.9	53.26	338	P	Iamb	Iamb	14 10 48.6	
SCHO	comp=Z.3.2nm, 0.5s	53.26	338	P	Iamb	Iamb	14 10 48.6	
EKA	Eskdalemuir Ar	54.49	22	P	P	P	14 10 47.8	-1.1
EKA	comp=Z.2.8nm, 0.9s, baz=229, slow=3.3, SNR=3.5	54.49	22	P	Iamb	Iamb	14 10 47.8	-1.1
VAE	Valguarnera	54.61	49	LR	LR	LR	14 32 39.3	
VAE	comp=Z.689nm, 21.4s, baz=288, slow=34	54.61	49	LR	LR	LR	14 32 39.3	
WVT	Waverly	55.03	309	P	P	P	14 10 53.9	+0.8
WVT	comp=Z.19nm, 1.3s	55.03	309	P	Iamb	Iamb	14 10 55.6	
WVT	Waverly	55.03	309	P	P	P	14 10 52.9	-0.2
DAVX	Davos/Dischmal	55.49	37	P	P	P	14 10 56.7	+0.2
DAVX	comp=Z.5.8nm, 0.8s, baz=218, slow=9.8, SNR=8.6	55.49	37	P	LR	LR	14 33 16.6	
DAVA	Damuels	55.74	36	eP	P	P	14 10 58.7	+0.4
DAVA	comp=Z.4.97nm, 18.9s, baz=259, slow=35	55.74	36	eP	P	P	14 10 58.7	+0.4
RETA	Reutte	56.36	37	eP	P	P	14 11 02.9	+0.3</

20d 14h

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes entries for BBB Bella Bella, DLBC Dease Lake, INK Inuvik, ARTI Arti, etc.

NEIC 20 14:01:52.5, 0.8, 54.56N, 0.07:159.58W, 0.04, h20km, 9km, mb3.8/7, ML3.4/18, ML3.4(AEIC), Error ellipse: s-maj=10.2km s-min=2.6km az=167.0

AEIC 20 14:01:54.0, 0.9, 54.55N, 0.06:159.62W, 0.07, h16km, 5km, Error ellipse: s-maj=8.6km s-min=5.8km az=171.0

ISC 20 14:01:54.1, 1.1, 54.57N, 0.07:159.60W, 0.05, h35km, n80, c070/78, South of Alaska

Main table of station data for the 20d 14h period, listing station codes, names, coordinates, and operational status.

2020 OCT

comp=Z,11nm,1.5s

IDC 20 14:25:14.1, 1.0, 9.54, 42N, 159.83W, h0km, mb3.8/13, mbmp3.7/16, ML3.4/3, Error ellipse: s-maj=21.5km s-min=14.1km az=165.0

NEIC 20 14:25:16.7, 1.6, 54.23N, 0.04:159.64W, 0.08, h20km, 4km, mb4.0/16, ML3.5/28, ML3.6(AEIC), Error ellipse: s-maj=8.1km s-min=4.7km az=132.0

AEIC 20 14:25:17.1, 1.5, 54.23N, 0.04:159.64W, 0.08, h16km, 4km, Error ellipse: s-maj=7.1km s-min=5.2km az=119.0

ISC 20 14:25:18.6, 0.6, 54.29N, 0.06:159.62W, 0.04, h35km, n149, s1909/140, mb3.8/14, South of Alaska

Main table of station data for the 2020 OCT period, listing station codes, names, coordinates, and operational status.

1124

Table of station data for the 1124 period, listing station codes, names, coordinates, and operational status.

IDC 20 14:28:59.6, 1.7, 54.31N, 159.60W, h0km, mb3.8/6, mbmp3.6/10, ML3.3/7, Error ellipse: s-maj=35.3km s-min=18.4km az=161.0

NEIC 20 14:29:02.5, 0.9, 54.43N, 0.07:159.4W, 0.1, h22km, 4km, mb3.7/8, ML3.0/18, Error ellipse: s-maj=10.3km s-min=8.4km az=162.0

ISC 20 14:29:04.9, 0.8, 54.5N, 0.1:159.40W, 0.06, h35km, n41, c061/34, mb4.0/7, South of Alaska

Main table of station data for the 1124 period, listing station codes, names, coordinates, and operational status.



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NVAR Mina Array Bea, H11N2 WAKE ISLAND Hy, H11N3 WAKE ISLAND Hy, etc.

TRN 20 14:31:00.0, 11.22N, 61.94W, h123km, MD3.8, North of the Pana peninsula.

FUNV 20 14:31:26.9, 11.37N, 62.21W, h16km, MW3.9, Presumed earthquake

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DMDM Guralp CMSGSTDE, PSQH Port of Spain, TRN Trinidad (W), etc.

IDC 20 14:55:12.9, 3.4, 20.20S, 178.32W, h422km, 5.5km, mb2.8/4, mbtmp3.6/5, Error ellipse: s-maj=142.2km

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MSFV Nonsavu, STKA Stephens Creek, ASAR Alice Springs, etc.

DJA 20 14:58:23.3, 1.1, 8.5S, 111.8E, h22km, 12km, M3.8/29, mb5.4/1, mb4.0/6, MLV3.7/29, Mw(MB)4.9/1, Bali Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DBNI Kabupaten Domp, PLAI Taliwang, TWSI Taliwang, etc.

DJA 20 15:11:44.5, 1.2, 1.1N, 3.12E, h27km, 12km, M4.2/19, mb5.4/5, mb4.1/7, MLV3.8/19, Mw(MB)4.8/5

IDC 20 15:11:46.8, 4.3, 1.01N, 125.61E, h136km, 37km, mb3.0/3, mbtmp3.5/4, MS3.5/1, Error ellipse: s-maj=104.6km

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Code Station Name, MNI Manado, TMT Ternate, KMSI Cibinong, etc.

WRA Warramunga Arr 22.75 160 P P 15 16 34.9 -0.8

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JOW Kunigami, ASAR Alice Springs, MKAR Makanchi Array, etc.

REY 20 15:27:12.3, 63.90N, 22.25W, h5km, Iceland region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IKRI Krysuvik, GRV Grindav??k, IVOG Vinog, etc.

NEIC 20 15:29:03.7, 0.9, 54.16N, 0.04E, 159.5W, 0.1, h18km, 5km, mb3.6/4, ML3.1/22, ML3.2(AEIC), Error ellipse:

AEIC 20 15:29:06.1, 1.2, 54.23N, 0.04E, 159.61W, 0.1, h18km, 6km, Error ellipse: s-maj=5.8km s-min=6.0km az=101.0

IDC 20 15:29:06.1, 1.3, 54.24N, 0.10E, 159.55W, 0.07, h35km, n65, 0.68/67, South of Alaska

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CNBA Chernabura Isl, SDPT Sand Point, SDPT Sand Point, etc.

WESN West Dahl Nort 2.96 278 Pn 15 29 50.4 -0.2

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AKUT Akutan, AKLV Akutan Long Is, UNV Unalaska Valle, etc.

TAP 20 15:31:14.4, 24.06'N, 122.44'E, h26km, ML3.1, C JMA 20 15:31:15.4, 0.3, 24.06'N, 122.5E, 0.8, h24km, 3km, MV2.6/1, NW OFF ISHIGAKIUMA IS

IDC 20 15:31:14.3, 0.9, 23.99N, 0.02E, 122.45E, 0.02, h25km, 7km, 0.65, 0.92/186, 4D, Taiwan region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like E0S4 E0S4, E0S3 E0S3, E0S2 E0S2, etc.

20d 16h

Table with columns: Code, Station Name, Az, El, Time, Res. Rows include IRIF Yuli, WFWF Wu-fen Shan, WFSB Wu-fen Shan, etc.

REY 20 15:32:45.4, 63.90N:22.25W, h7km
IDC 20 15:32:45.8, 1.7, 64.02N:22.20W, h0km, mb3.5/3,
mbtmp3.6/4, ML4.0/1, MS3.6/28, Error ellipse:
s-maj=31.7km s-min=15.2km az=95.0

NEIC 20 15:32:45.5, 1.4, 63.97N:0.05:22.1W:0.08, h10km, 1km,
m4.2/9, Error ellipse: s-maj=9.8km s-min=3.9km
bz=150.0

ISC 20 15:32:45.0, 0.7, 63.91N:0.03:22.19W:0.02, h12km, 4km,
n79, r=124/75, mb4.1/6, MS3.5/24, Iceland region

Table with columns: Code, Station Name, Az, El, Time, Res. Rows include IKRI Krysvik, IKRI Vogar, IVOG Grindav??k, etc.

2020 OCT

Table with columns: Code, Station Name, Az, El, Time, Res. Rows include IMID Fedgar, IHES Mjostakard, IHES Hestada, etc.

NEIC 20 16:11:44.2, 2.4, 54.26N:0.03:159.7W:0.1, h18km, 7km,
mb3.9/11, ML3.5/24, Error ellipse: s-maj=10.1km
s-min=3.7km az=106.0

IDC 20 16:11:47.1, 1.7, 63.41N:35N:158.87W, h0km, mb3.6/3,
mbtmp3.5/5, ML3.2/2, Error ellipse: s-maj=27.5km
s-min=20.8km az=116.0

ISC 20 16:11:43.0, 0.8, 54.22N:0.07:159.60W:0.05, h10km, n62,
r=181/55, mb3.8/4, South of Alaska

Table with columns: Code, Station Name, Az, El, Time, Res. Rows include CNBA Chernabura Isl, CHNA Chernabura Isl, CHNA Chernabura Isl, etc.

1126

Table with columns: Code, Station Name, Az, El, Time, Res. Rows include KDAK Kodiak Island, KDAK Kodiak Island, O16K Kuskokwak Cree, etc.

IDC 20 16:24:39.8, 1.6, 55.23N:159.59W, h0km, mb3.6/4,
mbtmp3.5/6, ML2.9/2, Error ellipse: s-maj=37.3km
s-min=18.6km az=165.0

NEIC 20 16:24:41.4, 1.4, 55.0N:0.1:159.39W:0.04, h9km, 7km,
mb3.7/3, ML3.5/21, Error ellipse: s-maj=17.3km
s-min=3.4km az=177.0

ISC 20 16:24:41.8, 0.8, 55.02N:0.05:159.34W:0.05, h10km, n43,
r=130/43, mb3.7/4, Alaska Peninsula

Table with columns: Code, Station Name, Az, El, Time, Res. Rows include CNBA Chernabura Isl, CNBA Chernabura Isl, CNBA Chernabura Isl, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Kuka Creek, Granite Mount, Wolf Creek, etc.

16C 20:16:26.34.8.4.2.55:30Nk:160.60W, h0km, mb3.8/3, mbtmp3.8/4, MS2.7/1, Error ellipse: s-maj=126.6km

NEIC 20:16:26.38.7.0.3.54.89N:0.09:160.22W:0.09, h41km, gkm, mb3.6/3, ML3.3/8, Error ellipse: s-maj=14.2km

ISC 20:16:26.37.8.1.2.54.30N:0.1:160.20W:0.07, h33km, n21, c=076/21, mb3.7/3, Alaska Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Chernabura Isl, Sand Point, Black Hills, etc.

DJA 20:16:28.04.0.2.3'S:2'x13'8E', h10km, M5.2/92, mb6.0/16, mb4.6/92, MLV4.3/13, Mw(mb)5.7/16

ISC 20:16:28.05.1.1.9.34OS:137.72E, h97km, 22km, mb3.3/3, mbtmp3.8/8, Error ellipse: s-maj=23.8km s-min=14.8km

ISC 20:16:28.06.3.0.7.3.35S:0.08:137.99E:0.06, h82km, n67, c=300/66, mb4.6/21, Irian Jaya

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Genyem, Jayapura, Merauke, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Palu, Makassar, Waiyapu, etc.

NNC 20:16:29.28.0.7.2.42:09Nk:82.61E, h0km, mb3.3, mpv2.9, Error ellipse: s-maj=69.8km s-min=34.6km az=168.0

SOME 20:16:28:59.8, 41.50N:83.33E, h0km, 4C-2D, Southern Xinjiang

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Ketmen, Podgornoye, Uzbuz, etc.

ISC 20:16:29.19.9.0.7.56:78S:26.01W, h0km, mb4.3/7, mbtmp4.2/8, ML3.8/1, MS3.4/4, Error ellipse: s-maj=34.3km

NEIC 20:16:29.25.1.4.56:8S:0.1:25.9W:0.2, h35km, 1km, mb4.7/20, Error ellipse: s-maj=19.7km s-min=14.8km

ISC 20:16:29.27.0.6.56:85S:0.09:26.02W:0.10, h61km, n50, c=058/39, mb4.6/13, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Hope Point, Orcadas, Neumayer, etc.

ISC 20:16:29.19.9.0.7.56:78S:26.01W, h0km, mb4.3/7, mbtmp4.2/8, ML3.8/1, MS3.4/4, Error ellipse: s-maj=34.3km

NEIC 20:16:29.25.1.4.56:8S:0.1:25.9W:0.2, h35km, 1km, mb4.7/20, Error ellipse: s-maj=19.7km s-min=14.8km

ISC 20:16:29.27.0.6.56:85S:0.09:26.02W:0.10, h61km, n50, c=058/39, mb4.6/13, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Snaa, Troll, East Falkland, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like South Pole Qui, Villa Florida, Universidad Ad, etc.

ISC 20:16:42.53.2.1.2.71:13N:71.75W, h0km, mb3.5/4, mbtmp3.7/9, ML3.5/5, Error ellipse: s-maj=22.5km

OTT 20:16:42.55.4.0.2.71:38N:71.17W, h18km, MN4.1/8, 138km northwest from Clyde River, Nu Eastern Arctic Background Seismic Zone.

DNK 20:16:42.56.7.2.1.71:44N:71.15W, h8km, 22km, ML2.6, Presumed earthquake

ISC 20:16:42.51.7.0.6.71.40N:0.05:71.40W:0.04, h10km, n27, c=39/102, mb3.4/3, Baffin Island region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Clyde River, Pond Inlet, Igloolik, etc.



Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like BRK Bradley Lake, BRSE Bradley Lake S, L15K Ungalak Mounta, etc.

comp=N,0.1nm,0.3s,baz=213,slow=13,SNR=4.9

ILAR baz=352,slow=25,SNR=1.2 comp=N,0.2nm,0.5s

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like ILAR Sand Creek, SCRK Pelican, S31K Pelican, etc.

AEIC 20:17:32.5:2.2,54.40N:0.04:159.75W:0.08,h0km,g6km, Error ellipse: s-maj=7.3km s-min=5.6km az=137.0

NEIC 20:17:31.0:1.3,54.33N:0.06:159.53W:0.05, h25km,10km,mb3.8/14,ML3.6/34,ML3.5(AEIC),Error ellipse: s-maj=9.3km s-min=3.6km az=166.0, South of Alaska

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like CNBA Chernabura Isl, CNBA Chernabura, CNBA Chernabura, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like AKUT Akutan, AKUT Akutan, AKUT comp=E,67nm,0.4s, AKUT comp=N,76nm,3.8s, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like I30M Mount Dempster, D25K Kavit River, G29M Pine Creek, etc.

DJA 20:17:27:1.8:0.3,8'S:2.12'E:1.2, h28km,4km, M3.8/25, mB5.1/2,mb4.3/18,ML3.6/25,Mw(mb)4.4/2, Flores region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MMRI Maumere, EDFI Ende, F30M Barrier River, etc.

TAP 20:17:36:13.3,21.29N:121.16E,h91km,ML3.6,D,Taiwan region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like TSEB Hengchuen, TWKB Hengchun, TWKB Hengchun, etc.

IDC 20:17:47:21.5:1.9,0.13N:126.00E,h0km,mb3.2/3, mbmt3.3/3, Error ellipse: s-maj=173.1km s-min=26.2km az=65.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makassar Arr, etc.









Table with columns: I20K, I21K, I22K, I23K, I24K, I25K, I26K, I27K, I28K, I29K, I30K, I31K, I32K, I33K, I34K, I35K, I36K, I37K, I38K, I39K, I40K, I41K, I42K, I43K, I44K, I45K, I46K, I47K, I48K, I49K, I50K, I51K, I52K, I53K, I54K, I55K, I56K, I57K, I58K, I59K, I60K, I61K, I62K, I63K, I64K, I65K, I66K, I67K, I68K, I69K, I70K, I71K, I72K, I73K, I74K, I75K, I76K, I77K, I78K, I79K, I80K, I81K, I82K, I83K, I84K, I85K, I86K, I87K, I88K, I89K, I90K, I91K, I92K, I93K, I94K, I95K, I96K, I97K, I98K, I99K, I100K. Rows include station names like Red Mountain, Laurel Mtn Rad, Forest Hills D, etc.

Table with columns: I101K, I102K, I103K, I104K, I105K, I106K, I107K, I108K, I109K, I110K, I111K, I112K, I113K, I114K, I115K, I116K, I117K, I118K, I119K, I120K, I121K, I122K, I123K, I124K, I125K, I126K, I127K, I128K, I129K, I130K, I131K, I132K, I133K, I134K, I135K, I136K, I137K, I138K, I139K, I140K, I141K, I142K, I143K, I144K, I145K, I146K, I147K, I148K, I149K, I150K, I151K, I152K, I153K, I154K, I155K, I156K, I157K, I158K, I159K, I160K, I161K, I162K, I163K, I164K, I165K, I166K, I167K, I168K, I169K, I170K, I171K, I172K, I173K, I174K, I175K, I176K, I177K, I178K, I179K, I180K, I181K, I182K, I183K, I184K, I185K, I186K, I187K, I188K, I189K, I190K, I191K, I192K, I193K, I194K, I195K, I196K, I197K, I198K, I199K, I200K. Rows include station names like Tanana, Doi Lake, Manley, etc.

Table with columns: I201K, I202K, I203K, I204K, I205K, I206K, I207K, I208K, I209K, I210K, I211K, I212K, I213K, I214K, I215K, I216K, I217K, I218K, I219K, I220K, I221K, I222K, I223K, I224K, I225K, I226K, I227K, I228K, I229K, I230K, I231K, I232K, I233K, I234K, I235K, I236K, I237K, I238K, I239K, I240K, I241K, I242K, I243K, I244K, I245K, I246K, I247K, I248K, I249K, I250K, I251K, I252K, I253K, I254K, I255K, I256K, I257K, I258K, I259K, I260K, I261K, I262K, I263K, I264K, I265K, I266K, I267K, I268K, I269K, I270K, I271K, I272K, I273K, I274K, I275K, I276K, I277K, I278K, I279K, I280K, I281K, I282K, I283K, I284K, I285K, I286K, I287K, I288K, I289K, I290K, I291K, I292K, I293K, I294K, I295K, I296K, I297K, I298K, I299K, I300K. Rows include station names like Malin Array Si, Malin Array Si, Sopachiv, etc.

Table with columns: Code, Station Name, A, AZ, Phase ID, Time, Res. Rows include I201K, I202K, I203K, I204K, I205K, I206K, I207K, I208K, I209K, I210K, I211K, I212K, I213K, I214K, I215K, I216K, I217K, I218K, I219K, I220K, I221K, I222K, I223K, I224K, I225K, I226K, I227K, I228K, I229K, I230K, I231K, I232K, I233K, I234K, I235K, I236K, I237K, I238K, I239K, I240K, I241K, I242K, I243K, I244K, I245K, I246K, I247K, I248K, I249K, I250K, I251K, I252K, I253K, I254K, I255K, I256K, I257K, I258K, I259K, I260K, I261K, I262K, I263K, I264K, I265K, I266K, I267K, I268K, I269K, I270K, I271K, I272K, I273K, I274K, I275K, I276K, I277K, I278K, I279K, I280K, I281K, I282K, I283K, I284K, I285K, I286K, I287K, I288K, I289K, I290K, I291K, I292K, I293K, I294K, I295K, I296K, I297K, I298K, I299K, I300K.

20d 19h

Table with 4 columns: Code, Station Name, Δ°, AZ°, Time Res. Rows include PB16 IOPC Station P, SOET ToroToro, PB14 IOPC Station P, BBSD Serra de San D.

DJA 20 19:02:00.0, 0.3, 8'S, 3°11'E, h11km, 3km, M3.8/26, mb5.8/1, mb4.2/10, MLv3.6/26, Mw(mb)5.4/1, Sumbawa region

Main table for 20d 19h section with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, h, m, s, ISC, Time Res. Rows include KHKI Kahang-Kahang, SRBI Sangaraja, DNP Denpasar, etc.

NEIC 20 19:02:45.0, 1.6, 54°36'N, 0°07'159.64W, 0.04, h27km, 11km, ML3.5/32, ML3.4(AEIC), Error ellipse: s-maj=10.7km, s-min=2.5km, az=166.0

AEIC 20 19:02:46.9, 1.7, 54°38'N, 0°04'159.68W, 0.08, h21km, 8km, Error ellipse: s-maj=7.0km, s-min=5.7km, az=114.0

ISC 20 19:02:45.9, 1.3, 54°38'N, 0°09'159.67W, 0.06, h35km, n99, 0°594/103, South of Alaska

Main table for 20d 19h section (continued) with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, h, m, s, ISC, Time Res. Rows include CNBA Chernabura Isl, CNBA, CHGN Chignik, etc.

2020 OCT

Main table for 2020 OCT section (left side) with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, h, m, s, ISC, Time Res. Rows include CLCO Concord Point, CLES Cleveland, N17K Nushagak Hill, etc.

AEIC 20 19:13:44.5, 1.3, 54°59'N, 0°04'159.67W, 0.07, h24km, 7km, Error ellipse: s-maj=7.6km, s-min=3.1km, az=130.0

NEIC 20 19:13:42.8, 1.3, 54°54'N, 0°04'159.58W, 0.07, h30km, 7km, ML3.3/34, ML3.1(AEIC), Error ellipse: s-maj=5.8km, s-min=5.5km, az=111.0, South of Alaska

Main table for 2020 OCT section (right side) with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, h, m, s, ISC, Time Res. Rows include CNBA Chernabura Isl, CNBA, CHGN Chignik, etc.

2020 OCT

Main table for 2020 OCT section (right side) with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, h, m, s, ISC, Time Res. Rows include RC01 Rabbit Creek A, L20K Forewell, AK, P23K Montague Island, etc.

DJA 20 19:13:53.6, 0.6, 1°N, 5°12'E, h37km, 17km, M3.1/13, mb3.7/3, MLv2.9/13, Northern Molucca Sea

Table for DJA 20 19:13:53.6, 0.6, 1°N, 5°12'E, h37km, 17km, M3.1/13, mb3.7/3, MLv2.9/13, Northern Molucca Sea

ISC 20 19:27:09.6, 0.3, 0°17'S, 0°04'124.72E, 0.04, h73km, n195, 0°132/203, mb4.4/51, Southern Molucca Sea

Main table for 2020 OCT section (right side) (continued) with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, h, m, s, ISC, Time Res. Rows include KMSI Cibinong, MNI Manado, GTOI Gorontalo, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like BATI, SAUI, DUNI, KKM, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like PINNC, HILR, HEH, SONM, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like WBK, MHTO, MHTO, etc.

Table with columns: POL, DIGR, ATGJ, KTGT, KYBTA, PYA1, PYA1, KBZ, KBZ. Includes station names like Digorskoe uzhe, Altiaghaj, Kuba-Taba, Pyatogorsk, Khabaz and various numerical data.

IDD 20:19:43:22.6:1.0,54:17N:159:64W,h0km,mb3.8/16,
mtbtp3,9,20,ML4,24,MS2,81,Error ellipse:
s-maj=23.1km s-min=12.7km az=160.0
NEIC 20:19:43:24.1:1.1,54:10N:0:02:159:52W:0:08,h15km,4km,
mb4,1/27,ML3,8/34,ML3,4(AEIC),Error ellipse:
s-maj=6.7km s-min=2.1km az=83.0
AEC 20:19:43:26.6:1.4,54:13N:0:05:159:58W:0:08,h20km,4km,
Error ellipse: s-maj=8.4km s-min=6.2km az=166.0
ISC 20:19:43:23.1:2.2,54:15N:0:06:159:58W:0:04,h7km,13km,
n191,r1508/196,mb3,9/16, South of Alaska

Main table for 20d 19h section with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time Res, h m s, ISC. Lists numerous stations like Chernabura Isl, Sand Point, Veniaminof 8, etc.

Main table for 2020 OCT section with columns: BRLK, M17K, BRSE, L14K, RDT, MKTC, L17K, SEW, SLKM, K15K, L16K, P19K, K13K, O22K, L19K, RC01, P23K, J14K, ATKA, PWL, J16K, J17K, P19K, HNK, HIN, J18K, GHO, GHI, SML, I17K, EYAK, EYAK, CAGN, KAIM, GSTR, SUCK, BMRM, ADK, ADK, BERG, H17K, KIWB, BPAW, DHY, WAX, CROM, H18K, MESA, G16K, YAH, PAX, GRNC, TABL, WRH, K2AK, Logan, CCB, PENINSULA, IL31, ILAR, ILAR, ILAR, O29M, AMKA, S31K, HYT, N30M, A14C, SKAG, BESE, S32K, I27K, N31M, P32M, P33M, J30M, Q32M, I30M, MOCB, G29M, DLBO, DLBO, DLBO, H31M, H31M, G30M, F30M, G31M, G31M, INK, INK, INK, YKA, YKA, YKA, PETK, PETK, MA2, NVAR, H1N2, H1N3, H1N1, H1S1, H1S2, H1S3, H1S3, WMOK, TXAR, TXAR, NR1K, KSRS, SONM, SONM, FINES, KURK, KURB, BVAR. Lists various stations and their coordinates.

Main table for 1136 section with columns: HFS, MKAR, EKA, AKASO, GERES, CMAR, NDI, MOKO, MOKO, MOKO, JORH, JORH, JORH, ZIRO, ZIRO, ZIRO, IMP, IMP, IMP, MORE, SHL, SHL, SHL, SHL, AZL, AZL, AZL, PZH, PZH, PZH, LSA, LSA, LSA, CMAR, CMAR, CMAR, BOK, BOK, BOK, PTH, PTH, PTH, WUS, WUS, WUS, KNMB, NIL, NIL, BJT, TARG, TARG, KSH2, KSH2, PDGK, PRZ, PRZ, MKAR, MKAR, BOOM, BOOM, MAK2, AAK, AAK, KBL, KBL, BTK, BTK, PALK, PALK, KURB, KURB, KURK, KURK, ZAAO, ZALV. Lists various stations and their coordinates.







Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LSTV, Laziv, BBLs, etc.

DRS 20 20:37:41.4, 42.98N, 47.06E, h9km
MOS 20 20:37:41.2, 42.97N, 47.02E, h6km, MPVA3.7
NORS 20 20:37:41.2, 42.99N, 47.02E, h7km, MPVA3.7, 3C, Eastern Caucasus

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DBC, DBC, BUJR, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KBZ, Khabaz, NEUR, etc.

SJA 20 20:43:16.8, 0.5, 23.12S, 66.78W, h229km, 6km, ML3.4, MW3.5
GUC 20 20:43:33.2, 0.8, 22.64S, 68.31W, h210km, 10km, ML3.2, Presumed earthquake
ISC 20 20:43:17.2, 1.3, 23.10S, 0.05, 66.82W, h208km, n40, e172/44, 1C, Jujuy Province

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SALTA, SALTA, AF01, etc.

IDC 20 21:37:12.0, 0.9, 13.61N, 90.62W, h0km, mb4.3/7, mbmp4.2, 10m, ML4.0, MS3.8/14, Error ellipse: s-maj=4.3, l-min=12.3km, az=38.0
CATAC 20 21:37:15.2, 0.5, 13.1N, 89.17W, h9km, 3km, ML4.9/12, MLV4.9/12, Error ellipse: s-maj=7.2km, s-min=2.8km, az=21.8, confirmed
SNET 20 21:37:16.8, 2.1, 13.38N, 90.88W, h26km, ML4.8, Presumed earthquake
GCG 20 21:37:17.4, 2.1, 13.50N, 90.89W, h17km, 9km, MD5.0, ML4.7, Presumed earthquake
NEIC 20 21:37:19.5, 1.7, 13.7N, 0.1, 90.6W, 0.1, h42km, 5km, mb4.5/2, Error ellipse: s-maj=21.4km, s-min=12.5km, az=56.0

ISC 20 21:37:16.7, 1.4, 13.41N, 0.05, 90.89W, 0.04, h33km, 10km, n130, e131/146, mb4.5/23, MS3.8/13, 3C-BD, Near coast of Guatemala

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like F08, Yopocapa, FG8, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JAYA, Jayaque, JAYA, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like APG, APG, APG, etc.





20d 22h

Table of astronomical observations for 20d 22h, listing stations like KKAR, BRLS, RNP9, etc., with columns for station name, coordinates, and observation details.

2020 OCT

Main table of astronomical observations for 2020 OCT, listing stations like BZS, KBZ, MLR, etc., with columns for station name, coordinates, and observation details.

1142

Table of astronomical observations for 1142, listing stations like JAMC, JAMC, SJCC, etc., with columns for station name, coordinates, and observation details.





20d 22h

Table with columns for station name, time, and other parameters. Includes stations like MKAR, WRA, JHNI, etc.

2020 OCT

Table with columns for station name, time, and other parameters. Includes stations like SCM, DBIC, DBIC, etc.

1144

Table with columns for station name, time, and other parameters. Includes stations like ESPR, ESPR, ESPR, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Rows include stations like Anvik River, Port Wells, Kinick Glacier, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Rows include stations like BORG Borgarnes, HHC Hu-ho-hao-te, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Rows include stations like ISC 20 22:46:04.7, CNBA Chernabura Isl, SDPT Sand Point, etc.

NIED 20 22:46:01.6, 31'45N, 128'70E, h12km, MW3.9, Moment Tensor Solution, s1 Moment tensor: Scale 10^14Nm...

JMA 20 22:46:01.6, 0.2, 31'5N, 0'4, 128'7E, 0.5, h12km, 1km, MV3.9/33, SW OFF KYUSHU

ISC 20 22:46:02.4, 1.1, 31'40N, 128'63E, h0km, mb3.6/5, mbmp3.7/9, ML3.5/4, MS3.5/5, Error ellipse: s-maj=22.9km...

ISC 20 22:46:03.5, 0.8, 31'48N, 0'06, 128'84E, 0'06, h10km, n20, s=128'19, mb3.5/5, MS4.2/3, 2D, Northwest of Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Rows include stations like JSJ Shimokoshihiki, JFU Fukan jima 2, JNN Nakunoshima, etc.

Q18K Katmai Hardscr 5.06 28 Pn Pn 22 47 19.0 +0.2

Q18K Katmai Hardscr 5.06 28 Pn Pn 22 47 19.0 +0.2

Q18K Katmai Hardscr 5.06 28 Pn Pn 22 47 19.0 +0.2

Q18K Katmai Hardscr 5.06 28 Pn Pn 22 47 19.0 +0.2

Q18K Katmai Hardscr 5.06 28 Pn Pn 22 47 19.0 +0.2

Q18K Katmai Hardscr 5.06 28 Pn Pn 22 47 19.0 +0.2

Q18K Katmai Hardscr 5.06 28 Pn Pn 22 47 19.0 +0.2

Q18K Katmai Hardscr 5.06 28 Pn Pn 22 47 19.0 +0.2

Q18K Katmai Hardscr 5.06 28 Pn Pn 22 47 19.0 +0.2

Q18K Katmai Hardscr 5.06 28 Pn Pn 22 47 19.0 +0.2

Q18K Katmai Hardscr 5.06 28 Pn Pn 22 47 19.0 +0.2

Q18K Katmai Hardscr 5.06 28 Pn Pn 22 47 19.0 +0.2

Q18K Katmai Hardscr 5.06 28 Pn Pn 22 47 19.0 +0.2

Q18K Katmai Hardscr 5.06 28 Pn Pn 22 47 19.0 +0.2

Q18K Katmai Hardscr 5.06 28 Pn Pn 22 47 19.0 +0.2

Q18K Katmai Hardscr 5.06 28 Pn Pn 22 47 19.0 +0.2

Q18K Katmai Hardscr 5.06 28 Pn Pn 22 47 19.0 +0.2

Q18K Katmai Hardscr 5.06 28 Pn Pn 22 47 19.0 +0.2

Q18K Katmai Hardscr 5.06 28 Pn Pn 22 47 19.0 +0.2

Q18K Katmai Hardscr 5.06 28 Pn Pn 22 47 19.0 +0.2

Q18K Katmai Hardscr 5.06 28 Pn Pn 22 47 19.0 +0.2

Q18K Katmai Hardscr 5.06 28 Pn Pn 22 47 19.0 +0.2

Q18K Katmai Hardscr 5.06 28 Pn Pn 22 47 19.0 +0.2

Q18K Katmai Hardscr 5.06 28 Pn Pn 22 47 19.0 +0.2

20d 22h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like G29M Pine Creek, R33M Jennings River, DLBC Dease Lake, etc.

NIED 20 22:57:09.2, 31.44N, 128.69E, h11km, MW3.9, Moment Tensor Solution, s3 Moment tensor: Scale 10^14Nm...

ISC 20 22:57:09.7, 0.8, 31.43N, 128.43E, h0km, mb3.77, mbmp3.7/11, ML3.6/3, Error ellipse: s-maj=24.5km...

JMA 20 22:57:09.2, 0.2, 31.4N, 128.7E, 0.5, h11km, 1km, MW4.0/37, SW OFF KYUSHU

ISC 20 22:57:10.5, 0.8, 31.44N, 128.74E, 0.05, h10km, n20, r1910/24, mb3.87, Northwest of Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JSJ Shimokoshiki, JFU Fukue jima 2, JNN Nakanoshima, etc.

NNC 20 22:58:41.0, 4.0, 36.82N, 69.50E, h0km, mb4.8, mpv5.2, Error ellipse: s-maj=35.3km s-min=26.1km az=168.0

ISC 20 22:58:44.0, 0.7, 36.23N, 70.27E, h192km, mb3.7/22, mbmp4.3/27, Error ellipse: s-maj=12.5km s-min=9.1km...

MOS 20 22:58:46.7, 0.7, 36.49N, 70.26E, h215km, mb4.3/19, Error ellipse: s-maj=8.4km s-min=3.9km az=72.6

NEIC 20 22:58:48.1, 1.7, 36.47N, 0.07, 70.27E, 0.09, h141km, 7km, mb4.3/51, Error ellipse: s-maj=10.8km s-min=9.8km...

ISC 20 22:58:46.5, 0.3, 36.43N, 0.04, 70.28E, 0.04, h204km, n275, r1569/307, mb4.2/49, 14C-7D, Hindu Kush region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KBL Kabul, KBL Kabul, KBL Kabul, etc.

2020 OCT

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KSH2 Kashi, JMU Jammu, ARSB Arslanbob, etc.

1146

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like UDPR, JHNI Jhansi, BHUU Bhuj, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like Belgogornoje, DOKA, DMITO, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like Barrier River, Bear Paw Mtn., Castle Rocks, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like TSTA, ARK, Arkit, etc.

20d 23h

Table with columns for station name, frequency, power, and other technical details. Includes stations like MTBS, KDJ, TNS, etc.

2020 OCT

Table with columns for station name, frequency, power, and other technical details. Includes stations like SMLA, HRA, WMQ, etc.

1148

Table with columns for station name, frequency, power, and other technical details. Includes stations like WHN, KOLS, NJ2, etc.







λ-154.20000°  
 NEIC 21 00:22:34.3, 19°29'S:172°40W,h10km  
 NEIC 21 00:22:34.2-3, 19°33S:07:172°33W:0.06,h10km,1km,  
 Ms=7.678,Ms<sub>2</sub>=0.5,631,Mw=5.8193,Mw5.9,15, Error  
 ellipse: s-maj=12.6km s-min=9.5km az=175.0, Moment  
 Tensor Solution. Moment tensor: Scale 10<sup>17</sup>Nm;  
 M<sub>1</sub>=-2.66; M<sub>2</sub>=1.73; M<sub>3</sub>=0.93; M<sub>4</sub>=0.19; M<sub>5</sub>=1.78; M<sub>6</sub>=5.94;  
 Fault plane solution: Mo:6.63000×10<sup>17</sup> NP1:  
 φ<sub>1</sub>=190,18000°;δ<sub>1</sub>=79,73000°;λ<sub>1</sub>=107,16000° NP2:  
 φ<sub>2</sub>=70,17000°;δ<sub>2</sub>=19,92000°;λ<sub>2</sub>=31,56000° Principal axes: T  
 5.915e5,Plg33.0000°,AzM295.0000°;N:1.2504,  
 Plg17.0000°,AzM193.0000°;P:-7.1656,Plg5.0000°;  
 AzM80.0000°;  
 GFZ 21 00:22:35.1, 19°17'S:172°65W,h18km,Mw5.975, Moment  
 Tensor Solution. Moment tensor: Scale 10<sup>17</sup>Nm;  
 M<sub>1</sub>=-7.12; M<sub>2</sub>=0.10; M<sub>3</sub>=0.702; M<sub>4</sub>=-0.39; M<sub>5</sub>=1.90; M<sub>6</sub>=2.13;  
 Fault plane solution: Mo:6.63719×10<sup>17</sup> NP1:  
 φ<sub>1</sub>=187,21786°;δ<sub>1</sub>=52,96178°;λ<sub>1</sub>=98,82941° NP2:  
 φ<sub>2</sub>=21,67828°;δ<sub>2</sub>=37,92886°;λ<sub>2</sub>=78,50234° Principal axes: T 7.7709,  
 Plg7.5750°,AzM283.5039°;N:-0.2749,Plg7.0378°;  
 AzM192.5632°;P:-7.4960,Plg79.6319°;AzM60.1274°;  
 GCMT 21 00:22:38.2, 0.1, 19°26'S:07:172°37W,h12km,  
 Mw5.8170, Moment Tensor Solution. s136,c291;  
 s170C,159 Duration: 159 Moment tensor: Scale 10<sup>17</sup>  
 Nm; M<sub>1</sub>=-5.11; M<sub>2</sub>=0.91; M<sub>3</sub>=0.82; M<sub>4</sub>=1.04; M<sub>5</sub>=5.93; M<sub>6</sub>=3.03;  
 M<sub>7</sub>=-1.34; M<sub>8</sub>=1.87; M<sub>9</sub>=0.03; M<sub>10</sub>=0.89; 0.9; Best double  
 couple: Mo:6.05000×10<sup>17</sup> NP1:φ<sub>1</sub>=33.0000°;δ<sub>1</sub>=46.0000°;  
 λ<sub>1</sub>=63.0000° NP2:φ<sub>2</sub>=176.0000°;δ<sub>2</sub>=51.0000°;  
 λ<sub>2</sub>=115.0000° Principal axes: T 6.4380,Plg3.0000°;  
 AzM284.0000°;N:-0.7770,Plg19.0000°;AzM193.0000°;  
 P:-5.6620,Plg71.0000°;AzM22.0000°; nsta1 refers to  
 body waves, cutoff=40s. nsta2 refers to surface/mantle  
 waves, cutoff=50s. Triangular moment-rate function  
 GFZ 21 00:22:39.0, 0.1, 19°52'S:17°37W,h38km,M5.8/115,  
 mb5.2/69,mb5.7/115,Mw(mB)5.9/69  
 NOU 21 00:22:40.3, 19°24'S:172°64W,h51km,ML5.9/173, Tonga  
 Islands Region  
 NEIC 21 00:22:41.5, 18°94'S:172°17W,h18km, Moment Tensor  
 Solution. Duration: 455 Moment tensor: Scale 10<sup>17</sup>Nm;  
 M<sub>1</sub>=-6.40; M<sub>2</sub>=-0.91; M<sub>3</sub>=7.31; M<sub>4</sub>=1.18; M<sub>5</sub>=1.87; M<sub>6</sub>=3.68;  
 Fault plane solution: Mo:8.13000×10<sup>17</sup> NP1:φ<sub>1</sub>=8.29900°;  
 δ<sub>1</sub>=30.81000°;λ<sub>1</sub>=96.19000° NP2:φ<sub>2</sub>=195.48000°;  
 δ<sub>2</sub>=59.39000°;λ<sub>2</sub>=86.32000° Principal axes: T 8.7002,Plg14.0000°;  
 AzM283.0000°;N:-1.2975,Plg3.0000°;AzM14.0000°;P  
 -7.4027,Plg75.0000°;AzM116.0000°;  
 PTWC 21 00:22:42.9, 19°10'S:172°70W,h86km,Mwp6.2/11, TONGA  
 Islands Region

ISC 21 00:22:34.7-0.4, 19°27'S:07:172°50W,0.03,h17km,1km,  
 h17km;p-P,n1904,λ1966,mb5.7/509,MS5.5/392,  
 110C-143D, Tonga Islands region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
NIUE	Niue	2.44	86	Op	00 23 09.7	-4.1
NIUE	Niue	2.44	86	P	00 23 08.3	-5.5
NIUE	Niue			S	00 23 35.5	-7.8
AFI	Afiamalua	5.37	8	LR	00 25 42.8	
LKBA	Lakemba	6.07	279	P	00 24 06.4	+2.6
LKBA	Lakemba	6.07	279	P	00 24 06.0	+2.2
FUTU	Fugetoga	7.30	312	P	00 24 23.8	+3.1
FUTU	Fugetoga	7.30	312	Pn	00 24 21.8	+1.2
TAVE	Taveuni	7.49	289	P	00 24 26.2	+2.9
TAVE	Taveuni	7.49	289	P	00 24 25.4	+3.1
DGTI	Dogotuki	7.96	291	P	00 24 32.2	+2.3
DGTI	Dogotuki	7.96	291	P	00 24 32.2	+2.4
MSVF	Nonsavu	9.10	278	Pn	00 24 47.9	+2.6
MSVF	Nonsavu	9.10	278	LR	00 27 55.4	
MSVF	Nonsavu	9.10	278	P	00 24 48.5	+3.1
MSVF	Nonsavu	9.10	278	P	00 24 47.7	+2.3
MSVF	Nonsavu	9.10	278	Pn	00 24 47.8	+2.4
MSVF	Nonsavu	9.10	278	P	00 24 48.7	+3.3
RIZ	Raoul Island	11.10	205	P	00 25 11.3	-1.4
RIZ	Raoul Island	11.10	205	S	00 27 05.4	-1.1
RAO	Raoul Island	11.10	205	Pn	00 25 09.5	-3.2
RAO	Raoul Island	11.10	205	S	00 27 05.9	-1.1
RAO	Raoul Island	11.10	205	AML		
RAO	Raoul Island	11.10	205	P	00 25 17.2	+4.5
RAO	Raoul Island	11.10	205	Pn	00 25 17.0	-0.8
RAO	Raoul Island	11.10	205	P	00 25 11.3	-1.4
RAO	Raoul Island	11.10	205	S	00 27 06.6	-1.0
RAO	Raoul Island	11.10	205	P	00 25 15.3	+2.6
GLKZ	Green Lake	11.11	205	P	00 25 11.7	-1.2
GLKZ	Green Lake	11.11	205	S	00 27 04.9	-1.2
RAR	Rarotonga	12.10	101	Pn	00 25 22.3	-4.2
RAR	Rarotonga	12.10	101	S	00 27 25.4	-1.6
RAR	Rarotonga	12.10	101	AML		
RAR	Rarotonga	12.10	101	Pn	00 25 22.5	-4.0
RAR	Rarotonga	12.10	101	Pn	00 25 22.5	-4.0
RAR	Rarotonga	12.10	101	P	00 25 22.3	-4.2
RAR	Rarotonga	12.10	101	P	00 25 21.8	-4.7
RAR	Rarotonga	12.10	101	P	00 25 24.7	+0.9
RAR	Rarotonga	12.10	101	P	00 25 44.3	+0.5
RAR	Rarotonga	12.10	101	P	00 25 45.1	+1.3
RAR	Rarotonga	12.10	101	P	00 25 45.1	+1.3
RTV	Rentapao	18.15	272	P	00 26 46.3	0.0
RTV	Rentapao	18.15	272	P	00 26 46.5	+0.2
DVP	Devils Point	18.38	272	P	00 26 49.8	+0.8
DVP	Devils Point	18.38	272	P	00 26 49.7	+0.8
MARNC	Mare, Loyalty	18.39	260	P	00 26 47.8	-1.2
MARNC	Mare, Loyalty	18.39	260	P	00 26 47.4	-1.5
MARNC	Mare, Loyalty	18.39	260	Iamb	00 26 50.5	
MARNC	Mare, Loyalty	18.39	260	P	00 26 47.5	-1.5
MARNC	Mare, Loyalty	18.39	260	P	00 26 47.5	-1.4
PINNC	Pines Island	19.02	256	P	00 30 29.8	+0.3
PINNC	Pines Island	19.02	256	S	00 30 29.5	-0.3
PINNC	Pines Island	19.02	256	P	00 26 56.0	+0.1
PINNC	Pines Island	19.02	256	P	00 27 01.2	+0.2
YATNC	Mamie plateau	19.48	258	S	00 30 39.6	-1.1
YATNC	Mamie plateau	19.48	258	P	00 27 01.1	-0.7
OUENC	Ouen Island, N	19.56	257	P	00 27 01.4	-0.4
OUENC	Ouen Island, N	19.56	257	Iamb	00 27 05.3	
OUENC	Ouen Island, N	19.56	257	P	00 27 01.3	-0.5
SANVU	Saraoutou	19.74	278	P	00 27 04.6	-0.8
SANVU	Saraoutou	19.74	278	S	00 30 43.2	-2.7
SANVU	Saraoutou	19.74	278	P	00 27 04.4	+0.6
SANVU	Saraoutou	19.74	278	P	00 27 02.0	-1.9
SANVU	Saraoutou	19.74	278	P	00 27 02.3	-1.6
SANVU	Saraoutou	19.74	278	S	00 30 44.7	-1.2
SANVU	Saraoutou	19.74	278	S	00 27 01.9	-1.9
SANVU	Saraoutou	19.74	278	P	00 27 02.2	-1.7
DZM	Mont Dumac	19.90	258	P	00 27 03.6	-2.1
DZM	Mont Dumac	19.90	258	P	00 30 44.1	-5.1
DZM	Mont Dumac	19.90	258	LR	00 33 35.7	
DZM	Mont Dumac	19.90	258	AML		
DZM	Mont Dumac	19.90	258	AML		
ONTNC	Ouen Toro	19.91	258	P	00 27 05.6	0.0
ONTNC	Ouen Toro	19.91	258	S	00 30 46.7	-2.5
ONTNC	Ouen Toro	19.91	258	P	00 27 04.6	-1.0
ONTNC	Ouen Toro	19.91	258	Iamb	00 27 10.3	
ONTNC	Ouen Toro	19.91	258	P	00 27 05.1	-0.5
ONTNC	Ouen Toro	19.91	258	P	00 27 05.1	-0.5
ONTNC	Ouen Toro	19.91	258	P	00 27 13.2	+5.8
MXZ	Matakaoa Point	19.92	202	S	00 30 34.0	-1.5

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
GRZ	Great Barrier	19.96	210	P	00 27 09.2	+1.3
NOUC	Port Laguerre	20.03	258	S	00 27 06.7	-0.3
NOUC	Port Laguerre	20.03	258	S	00 30 49.4	-2.3
NOUC	Port Laguerre	20.03	258	P	00 27 06.4	-0.6
OUZ	Omahuta	20.10	215	P	00 27 09.9	+0.5
OUZ	Omahuta	20.10	215	P	00 27 07.0	+0.7
OUZ	Omahuta	20.10	215	P	00 27 09.8	+0.3
OUZ	Omahuta	20.10	215	P	00 27 10.0	+0.5
WMGZ	Waioamatani S	20.11	201	P	00 27 09.3	-0.3
WMGZ	Waioamatani S	20.11	201	P	00 30 38.4	-1.5
HAZ	Te Kaha	20.28	203	P	00 27 14.0	+2.4
HAZ	Te Kaha	20.28	203	S	00 30 44.0	-1.2
NFK	Norfolk Island	20.30	238	P	00 27 13.1	+1.1
NFK	Norfolk Island	20.30	238	P	00 27 12.7	+0.7
NFK	Norfolk Island	20.30	238	P	00 27 11.8	-0.2
NFK	Norfolk Island	20.30	238	P	00 27 12.7	+0.7
NFK	Norfolk Island	20.30	238	P	00 27 12.4	+0.5
PUZ	Puketiti	20.39	201	S	00 30 42.7	-1.1
PUZ	Puketiti	20.39	201	S	00 27 15.2	+0.9
RUGZ	Raukumara Rang	20.50	203	S	00 30 49.5	-1.2
RUGZ	Raukumara Rang	20.50	203	S	00 27 16.6	+1.8
WIAZ	Waiheke Island	20.56	209	P	00 27 20.3	+5.0
WIAZ	Tauwhareparea	20.59	202	P	00 30 47.7	-1.3
WHZ	Whale Island	20.67	204	P	00 27 21.8	+5.6
CNGZ	Carnagh Station	20.78	201	P	00 27 20.2	+2.7
CNGZ	Carnagh Station	20.78	201	S	00 30 53.3	-1.3
MWZ	Matawai	20.89	202	P	00 27 20.6	+1.8
MWZ	Matawai	20.89	202	S	00 31 00.7	-7.7
URZ	Urewera	20.97	203	P	00 27 17.3	+0.2
URZ	Urewera	20.97	203	S	00 30 59.4	-1.1
URZ	Urewera	20.97	203	LR	00 36 57.8	
URZ	Urewera	20.97	203	S	00 27 19.7	0.0
URZ	Urewera	20.97	203	S	00 31 10.2	+0.1
URZ	Urewera	20.97	203	P	00 27 18.0	+0.9
URZ	Urewera	20.97	203	S	00 31 00.7	-9.4
URZ	Urewera	20.97	203	P	00 27 18.1	+1.1
URZ	Urewera	20.97	203	P	00 27 19.1	-0.6
RAGZ	Rarua	21.07	202	P	00 27 23.2	+5.0
KMRZ	Kaimai	21.08	206	P	00 27 26.9	+8.6
RIGZ	Rimuhau	21.14	202	P	00 27 26.3	+7.5
TOZ	Tahuroa Road	21.17	207	P	00 27 20.4	+1.2
TOZ	Tahuroa Road	21.17	207	P	00 27 23.6	+4.5
TARZ	Tararua	21.17	207	P	00 27 25.6	+5.6
RRRZ	Republican Roa	21.27	204	P	00 27 25.8	+5.5
PRGZ	Paritu Road	21.29	201	P	00 27 27.2	+6.8
MUGZ	Murupara	21.29	204	P	00 27 25.3	+4.8
HRZ	Hundcock Road	21.41	205	P	00 27 28.8	+7.1
KNZ	Kokohu	21.45	201	P	00 27 27.8	+5.7
KNZ	Kokohu	21.45	201	P	00 27 28.5	+9.0
MTNZ	Maungataniwha	21.60	203	P	00 27 26.9	+3.1
TLZ	Tolley Road	21.66	206	P	00 27 21.7	

21d Oh

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like PMG, AS17, AS15, AS31, etc.

2020 OCT

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like AS17, AS15, AS31, ASAR, etc.

1152

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SANI, AUKUL, MBWA, MEEK, etc.







1155

Table with columns: PDAR, LR, LR, 01 07 08.3, and various numerical values. Includes entries like Pinedale Array, Nakina River, and various other locations.

2020 OCT

Table with columns: H21K, Melozitna Rive, 85.97, 8, IAMS\_20, IAMS\_20, 01 12 01.0, and various numerical values. Includes entries like COLA College, RLMT Red Lodge, and various other locations.

21d 0h

Table with columns: WMOK, Wichita Mounta, 88.16, 52, P, P, 00 35 25.3 +0.4, and various numerical values. Includes entries like ELIS, BOO1, BOO1, and various other locations.



Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like L40A Anamosa, SPMM Marine on St., T45A Paduch, P43A Skaggs, Pawnee, WVT Waverly, TNCH TengChong, X48A Hartselle, Y49A Blount Mountai, JFWS Jewell Farm, EPLO Experimental L, I40A Norwalk, L42A Oliver, Polo, LPAZ La Paz, LPZAZ La Paz, LPZAZ La Paz, LPZAZ La Paz, E38A The Farm, Brul, 553A Crawfordville, ULN Ulaanbaatar, ULN Ulaanbaatar, G40A Rib Lake, EYMN Ely, EYMN Ely, EYMN Ely, SONM Songoing Array, SONM Songoing Array, 152A Waverly Hall, M44A Midewin, P46A Rosedale, I42A Draeger Farm, WCI Wyandotte Cave, L44A Lake County Fo, X51A Calhoun, TIXI Tiksi, TIXI Tiksi, ROSC El Rosal, H43A Windswept, Lux, 154A Montrose, R49A Shelbyville, W52A Murphy, DWPF Disney Wildern, P48A Milroy, N47A Urbana, R50A Paris, GTA2 Gaotai, GTA2 Gaotai, GTA2 Gaotai, GTA2 Gaotai, H45A Fountain, V53A Saluda, O49A Covington, IMP Imp, N49A Columbus Grove, SAIH SAIH, SAIH SAIH, JORH JORHAT, Q51A Peebles, U54A Nelsons Funny, KM5C Kings Mountain, AZL Aizawl, AZL Aizawl, ZIRO ZIRO, ZIRO ZIRO, AC50 Alum Creek Sta, GLMI Grayling, Q52A Bidwell, V55A Taylorsville, M50A Fremont, TEZP TEZPUR, TEZP TEZP, N51A Ashland, E46A Sault Ste Mar, K50A Casco.

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like Y58A Scranton, U56A King, P53A Whipple, SHL Shilling, SHL Shilling, AGT Agartala, AGT Agartala, Q54A Coxs Mills, X58A Rowland, M52A Chesterland, N53A Lisbon, V58A Windy Hill, Pi, M52A Mont Chateau, W59A Clinton, S57A Dark Hollow, R, DHUB Dhubri, R55B Mineral, T59A Double "B" Far, CAL Calcutta, CAL Calcutta, CBN Corbin Frederi, V61A Roper, S58A Standing Stone, VILB Vilhena, L56A Greenwood, SDDR Presa de Saban, J55A Hilton, BWNR Bhubaneswar, BWNR Bhubaneswar, K57A Scipio Center, R61A Whipple, WUPA West Chester U, BINY Binghamton, BOK Bokaro, WCNV West Carthage, PALK Palkele, LONY Lake Ozonia, RAGD RAYAGADA, WMQ Urumqi, WMQ Urumqi, WMQ Urumqi, WMQ Urumqi, J61A Chester, VLK Valmikinagar, VLR Varanasi, BLB Bilaspur, WES Weston, DGZ Jazzator, Alita, I62A Tanwah, H62A Milan, NRIK Norilsk, NRIK Norilsk, NRIK Norilsk, SALM Salem, BRCI Bahraich, ZSN Zaisan, ZSN Zaisan, ZSN Zaisan, E62A Clayton Lake, PKME Peaks-Kenny P, ZALV Zalesovo Beam, ZALV Zalesovo Beam, ZALV Zalesovo Beam, D62A Allapoinat, All, HYB Hyderabad, HYB Hyderabad, HYB Hyderabad, HYB Hyderabad, HYB Hyderabad, BND BANDA, MK31 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, AKL Akola, BPHL Bhopal, NEEM North Greenlan, UTK UTTARKASHA, ASOR Ausora, PDGK Podgornoye, PDGK Podgornoye, SHK Shaikode, SHLS Shaikode, SHLS Shaikode, UZB Uzynbulak, UZB Uzynbulak, UZB Uzynbulak, KPKS Kokpek, KPKS Kokpek, KURK Kurchatov, KURK Kurchatov, KURB Kurchatov Arra, KURB Kurchatov Arra, KURBB Kurbb, KURBB Kurbb, KURBB Kurbb, PRZY Przewalsk, SATY Saty, SATY Saty, SMLA Simlia, TDK Taldyqorghan, TDK Taldyqorghan, ALCI Alci, TARG Taragay, BHK Bhakra, POO Poona, DHRM DHARAMSHALA, MDOK Medeo, MDOK Medeo.

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like MDOK Tian-Shan, TNSS Tian-Shan, AAA Alma-Ata, AAA Alma-Ata, KUU Kurly, KUU Kurly, ULHL Ulahol, AUM Almer, BOMI Basmokoye usco, KSH2 Kashi, KSH2 Kashi, KSH2 Kashi, KSH2 Kashi, KSH2 Kashi, TKM2 Tokmak 2, ILULI Ilulissat, UDRP Udaipur, KBK Karagaybulak, SGDS Sogindny, UCH Uchitor, UCH Uchitor, UCH Uchitor, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, SUMG Summit, SUMG Summit, SUMG Summit, SPAA Spitsbergen Ar, SPITS Spitsbergen Ar, DAG Danmarks Havn, DAG Danmarks Havn, BVAR Borovoye Array, BORK Borovoye, BORK Borovoye, ARK Arkit, DRK Karamyk, DZA Taraz, DZA Taraz, TRKS Terek-Say, BHUJ Bhuj, BTK Batken, KKAR Karatay Array, KKAR Karatay Array, KBG Darnabeg, IUG Iuzhnyy, IUG Iuzhnyy, BRLS Borodaya, BRLS Borodaya, CHM Chiment, CHM Chiment, KBL Kabul, KBL Kabul, NBPON Ponto Novo - B, NBPON Scoresbysund, SCO Scoresbysund, SVE Sverdlorsk, SVE Sverdlorsk, NBLA Lagana-SE, NBLA Tacaratu-PE, NBLA Mahe Island, ARTI Arti, ARTI Arti, ARTI Arti, ARTI Arti, ARTI Arti, NBMA Murrli-CE, JNW Jan Mayen West, JNW Vadsø, JNW Hammerfest, ARAO ARCES Array B, ARCES ARCES Array B, ARCES ARCES Array B, APA Apatity, APA Apatity, JETT Jettan, Norway, TRO Tromso, TRO Tromso, NBCL Cascavel-CE, KTK1 Kirov, BOSA Boshof, AKTO Aktyubinsk, KIRV Kirov, MSF Maaselka, OUL Oulu, KLMR Klimovskoe, KDWAN Kudwane, BELG Belogornoye, UOSS Minazif, FINES FINESS Array B, FINES FINESS Array B, FINES FINESS Array B, MOS Moscow, MOS Moscow, DOMB Dombas, OBN Obninsk, OBN Obninsk, OBN Obninsk, NB2 NOR SAR Subarrat38, NB2 NOR SAR Subarrat38, NOA NOR SAR Array B, NOA NOR SAR Array B, VRR Novokhoporsky, VRR Novokhoporsky, SKAR Skarslia, LPSR Galich'ya Gora, LPSR Galich'ya Gora, MAK Makhachkala, MAK Makhachkala, MAK Makhachkala, MAK Makhachkala.

21d 0h

Table with columns for station name, frequency, power, and other technical details. Includes stations like HFS Hagfors, VORR Voronezh, VSR Storozhevoje, etc.

2020 OCT

Table with columns for station name, frequency, power, and other technical details. Includes stations like BUG Bochim-Univer, STYS Stibnicka Huta, OSTC Ostas, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like PSZ Piszkesteto, MLR Muntele Rosu, SMOL Smolenice, etc.



21d Oh

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Stuetta, Podgorica, Norcia, etc.

DJA 21 00:30:33.4,0.2,1'S:1°12'0E, h10km, M4.8/34, mB5.6/6, mb4.9/7, MLV4.6/34, Mw(mB)5.0/6, MwMwp4.4/4, MwMp5.2/4

ISC 21 00:30:33.2,1.3,0:83S, 120.54E, h0km, mb3.7/6, mbmp3.7/6, Error ellipse: s-maj=189.8km s-min=21.6km az=61.0

Main station list for 21d Oh, including PCI Palu, APSI Ampama, MMSI Mamuju, etc.

ASAR Alice Springs 26.08 150 P P 00 36 08.5 +0.7
SONM Songio Island 50.28 348 P P 00 39 29.1 -1.5
MKAR Makanchi Array 58.12 330 P P 00 40 28.2 +0.6

ISC 21 00:33:49.5,4.4,54.96N:159.89W, h0km, mb4.0/4, mbmp4.0/7, ML4.2/2, Error ellipse: s-maj=103.2km

AEIC 21 00:33:50.3,1.2,54.42N:0.04:159.61W:0.07, h12km, 5km, Error ellipse: s-maj=6.4km s-min=5.7km az=122.0

NEIC 21 00:33:52.5,1.1,54.59N:0.03:159.72W:0.05, h32km, 6km, mb4.0/12, ML4.0/36, ML3.8(AEIC), Error ellipse: s-maj=15.0km s-min=3.5km az=219.0

ISC 21 00:33:49.5,1.6,54.42N:0.07:159.57W:0.04, h24km, 10km, n154, c101/174, mb4.1/4, South of Alaska

Main station list for 21d Oh, including CNBA Chernabura Isl, CNBA, UNV Unalaska Valle, etc.

2020 OCT

Main station list for 2020 OCT, including R16K, AKUT, AKH, Mt. Peulik Vol, etc.

1160

Main station list for 1160, including INK Inuvik, C36M Paulatuk, PETK, H11N2, etc.



Table of station data for the left column, including call signs like KLU, BMRM, ANM, ADK, etc., and their associated coordinates and status.

Table of station data for the middle column, including call signs like MKAR, AKTO, CLL, AKASG, etc., and their associated coordinates and status.

Table of station data for the right column, including call signs like AS31, ASAR, AKTO, etc., and their associated coordinates and status.

PRU 21 00:37:07.8, 51°52'N-16°08'E, h0km, Poland

Table listing station details for PRU 21, including station names like KSP, KSP, CHVC, CHVC, etc., and their coordinates.

IDC 21 00:40:13.5, 0.5, 3.74S, 135.89E, h0km, mb4.2/14

Table listing station details for IDC 21, including station names like MWPI, MWPI, etc., and their coordinates.

Code Station Name Δ° AZZ' Phase ID Op ISC Time Res

Table listing station details for IDC 21, including station names like MWPI, MWPI, etc., and their coordinates.

ATH 21 00:40:41.4, 34.86N-23.09E, h23km, 2km, ML2.6/7, Latitude uncertainty: 1 km; Longitude uncertainty: 2 km, Crete

Table listing station details for ATH 21, including station names like KNDR, KNDR, etc., and their coordinates.

AEIC 21 00:17:15.1, 2.54°28'N, 0°07:159°59'W, 0.09, h25km, 8km, Error ellipse: s-maj=10.4km s-min=7.4km az=160.0 NEIC 21 00:57:16.9, 0.8, 54.34N, 0°08:159°61'W, 0.09, h26km, 8km,

21d 1h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station data for Chernabura Isl, Sand Point, Veniaminof 8, etc.

Station coordinates and error ellipse data for IDC 21 00:57:40.7, NEIC 21 00:57:43.9, AEIC 21 00:57:44.7, ISC 21 00:57:44.5.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station data for Chernabura Isl, Sand Point, Veniaminof 8, etc.

2020 OCT

Table with columns: SML, SCM, KAIM, KLU, BELG, etc. Includes station data for Sawmill, Sheep Creek Mo, Kayak Island, etc.

Station coordinates and error ellipse data for HLV 21 00:57:58.6, SGS 21 00:58:00.7, ISC 21 00:57:57.0.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station data for Tor 1, RSHS, KRABS, etc.

Station coordinates and error ellipse data for IDC 21 01:01:43.6, NEIC 21 01:01:45.2, NEIC 21 01:01:45.2.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station data for TR1, RSHS, KRABS, etc.

1162

Table with columns: PSCGX, PSCGX, PSCGX, etc. Includes station data for Pisagua, IPOC Station P, etc.





Table with columns for station name, frequency, and various signal quality metrics (e.g., S/NR, SNR, SNR=18, SNR=19, SNR=20, SNR=21, SNR=22, SNR=23, SNR=24, SNR=25, SNR=26, SNR=27, SNR=28, SNR=29, SNR=30, SNR=31, SNR=32, SNR=33, SNR=34, SNR=35, SNR=36, SNR=37, SNR=38, SNR=39, SNR=40, SNR=41, SNR=42, SNR=43, SNR=44, SNR=45, SNR=46, SNR=47, SNR=48, SNR=49, SNR=50, SNR=51, SNR=52, SNR=53, SNR=54, SNR=55, SNR=56, SNR=57, SNR=58, SNR=59, SNR=60, SNR=61, SNR=62, SNR=63, SNR=64, SNR=65, SNR=66, SNR=67, SNR=68, SNR=69, SNR=70, SNR=71, SNR=72, SNR=73, SNR=74, SNR=75, SNR=76, SNR=77, SNR=78, SNR=79, SNR=80, SNR=81, SNR=82, SNR=83, SNR=84, SNR=85, SNR=86, SNR=87, SNR=88, SNR=89, SNR=90, SNR=91, SNR=92, SNR=93, SNR=94, SNR=95, SNR=96, SNR=97, SNR=98, SNR=99, SNR=100).

Table with columns for station name, frequency, and various signal quality metrics (e.g., S/NR, SNR, SNR=18, SNR=19, SNR=20, SNR=21, SNR=22, SNR=23, SNR=24, SNR=25, SNR=26, SNR=27, SNR=28, SNR=29, SNR=30, SNR=31, SNR=32, SNR=33, SNR=34, SNR=35, SNR=36, SNR=37, SNR=38, SNR=39, SNR=40, SNR=41, SNR=42, SNR=43, SNR=44, SNR=45, SNR=46, SNR=47, SNR=48, SNR=49, SNR=50, SNR=51, SNR=52, SNR=53, SNR=54, SNR=55, SNR=56, SNR=57, SNR=58, SNR=59, SNR=60, SNR=61, SNR=62, SNR=63, SNR=64, SNR=65, SNR=66, SNR=67, SNR=68, SNR=69, SNR=70, SNR=71, SNR=72, SNR=73, SNR=74, SNR=75, SNR=76, SNR=77, SNR=78, SNR=79, SNR=80, SNR=81, SNR=82, SNR=83, SNR=84, SNR=85, SNR=86, SNR=87, SNR=88, SNR=89, SNR=90, SNR=91, SNR=92, SNR=93, SNR=94, SNR=95, SNR=96, SNR=97, SNR=98, SNR=99, SNR=100).

Table with columns for station name, frequency, and various signal quality metrics (e.g., S/NR, SNR, SNR=18, SNR=19, SNR=20, SNR=21, SNR=22, SNR=23, SNR=24, SNR=25, SNR=26, SNR=27, SNR=28, SNR=29, SNR=30, SNR=31, SNR=32, SNR=33, SNR=34, SNR=35, SNR=36, SNR=37, SNR=38, SNR=39, SNR=40, SNR=41, SNR=42, SNR=43, SNR=44, SNR=45, SNR=46, SNR=47, SNR=48, SNR=49, SNR=50, SNR=51, SNR=52, SNR=53, SNR=54, SNR=55, SNR=56, SNR=57, SNR=58, SNR=59, SNR=60, SNR=61, SNR=62, SNR=63, SNR=64, SNR=65, SNR=66, SNR=67, SNR=68, SNR=69, SNR=70, SNR=71, SNR=72, SNR=73, SNR=74, SNR=75, SNR=76, SNR=77, SNR=78, SNR=79, SNR=80, SNR=81, SNR=82, SNR=83, SNR=84, SNR=85, SNR=86, SNR=87, SNR=88, SNR=89, SNR=90, SNR=91, SNR=92, SNR=93, SNR=94, SNR=95, SNR=96, SNR=97, SNR=98, SNR=99, SNR=100).

21d 1h

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like Port Moresby, Vyhne, and various international stations.

2020 OCT

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like Chiang Mai Arr, Kabul, and various international stations.

1166

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like Merke, Archa, and various international stations.



12nm,0.5s

IDC 21 01:30:23.6:1.4, 8:35N, 126:34E, h0km, mb3.8/8, m1bpm3.8/8, Error ellipse: s-maj=82.2km s-min=19.3km az=66.0

MAN 21 01:30:34.0, 8:75N, 126:42E, h29km, MS3.4  
ISC 21 01:30:00.9, 8:55N, 126:07E, h0.09, h53km, n21, z=206/22, mb3.8/8, Mindanao

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time Res, h m s ISC, Res. Includes stations like Tandag City, Surigao, Cagayan de Oro, Tagbilaran, Lalo, Siquijor, Pazi, Lapu-Lapu, Fitzroy Crossi, etc.

CMAR Chiang Mai Arr 28.66 293 P 01 36 20.2 -1.8  
WRA Warrunganga Arr 29.30 165 P 01 36 27.4 -0.3  
ASAR Alice Springs 32.79 168 P 01 36 56.1 -2.3

H11S3 WAKE ISLAND Hy 40.06 71 T 02 21 06.3  
H11S1 WAKE ISLAND Hy 40.07 71 T 02 21 07.5  
H11S2 WAKE ISLAND Hy 40.08 71 T 02 21 07.5  
H11N1 WAKE ISLAND Hy 40.45 70 T 02 21 42.2  
H11N2 WAKE ISLAND Hy 40.46 70 T 02 21 46.4  
H11N3 WAKE ISLAND Hy 40.47 70 T 02 21 43.9

MKAR Makanchi Array 53.63 323 P 01 39 46.3 +0.2  
KURBB Kurchatov Arra 57.0 326 P 01 40 16.3 +1.1  
FINES FINES Array B 87.58 332 P 01 43 13.5 +1.2  
VDA Vanda 88.19 173 P 01 43 15.7 +1.0

IDC 21 01:52:43.6:0.4, 47:17S, 13:36W, h0km, mb4.3/11, m1bpm4.3/11, MS4.3/11, Error ellipse: s-maj=22.8km s-min=16.2km az=78.0  
NEIC 21 01:52:45.0:2.0, 47:21S, 13:10W, h0.2, h10km, 1km, mb4.9/26, Error ellipse: s-maj=19.6km s-min=15.5km az=110.0  
ISC 21 01:52:44.6:0.4, 47:19S, 13:24W, h0.09, h10km, n77, z=91/56, mb4.8/23, MS4.3/12, Southern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time Res, h m s ISC, Res. Includes stations like Orcadas, Neumayer-1, Neumayer-2, Snares, Snares, Troll, Sutherland, Belgrano 2, Boshof, Boshof, Kule, Tsumeb, LBTB, LBTS, H10S2, H10S3, KWAN, CPUP, LL02, MAW, MAW, BDFB, MATP, GQSA, GQSA, H04S2, H04S3, H04S1, MT09, MT01, CO03, CO03, PB09, VILB, VILB, DBIC, DBIC, LPAZ, LPAZ.

SBA Scott Base 55.23 180 P Iamb Iamb 02 02 18.0 +1.0 02 02 20.3

VNDA Vanda 55.53 179 P P 02 02 20.0 +0.8  
MACA Manacapurua-AM 59.95 302 P Iamb Iamb 02 02 19.6 +0.4 02 02 52.6

MBAR Mbarara 60.11 53 LR LR 02 26 30.3  
MBAR Mbarara 60.11 53 P Iamb Iamb 02 02 52.1 -0.3 02 02 58.5

TOR Torodi Ar. Bea 61.53 17 P P 02 03 03.0 +1.2  
MDP Montagnes des 62.59 315 LR LR 02 28 11.8

CZSB Cruzeiro do Su 63.82 288 eP PKIKP 02 10 03.2 +1.8  
TAM Tamannasset 71.69 18 P P 02 04 07.7 +1.0 02 04 18.5 +0.2 02 04 28.5

RUSC La Rusia 74.56 297 P P 02 04 23.8 -0.5  
ATD Arta Tunnel 76.84 57 LR LR 02 37 16.3

H08S1 Diego Garcia H 81.54 92 T T 03 34 49.2  
H08S2 Diego Garcia H 81.55 92 T T 03 34 50.1  
H08S3 Diego Garcia H 81.56 92 T T 03 34 50.6

H01W2 Cape Leeuwin H 85.63 139 T T 03 41 00.0  
H01W1 Cape Leeuwin H 85.64 139 T T 03 41 03.3  
H01W3 Cape Leeuwin H 85.64 139 T T 03 41 06.5

ESDC Sonseca Array 86.88 7 P P 02 05 29.9 +0.8  
ASF Jabal al Asfar 90.97 41 LR LR 02 42 26.3

MMAI Mount Meron Ar 91.09 39 LR LR 02 44 33.4  
DVOX Davos/Dischmat 95.75 16 LR LR 02 47 30.9

PALK Pallekele 97.96 88 LR LR 02 41 21.4  
PDAR Pinedale Array 123.37 299 PKP PKPdf 02 11 40.1 -1.4

KURBB Kurchatov Arra 125.25 51 PKP PKIKP 02 11 45.7 +0.8  
NVAR Mina Array Bea 126.29 290 PKP PKIKP 02 11 48.8 +1.1

NVAR Mina Array Bea 126.29 290 PKP PKIKP 02 11 49.0 +1.3  
SONMI Songoing Array 140.15 66 PKP PKPdf 02 12 12.6 -0.3

H31M Peel River 144.25 323 PKP PKPdf 02 12 18.7 -0.8  
F30M Barrier River 144.69 326 PKP PKPdf 02 12 20.1 -0.1

G30M Atoh Zraii Nj 144.93 325 PKP PKPdf 02 12 20.5 -0.2  
H28M Whistlesome Creek 145.86 324 PKP PKPdf 02 12 23.7 +0.4

BMAR Burnt Mountain 148.05 327 PKP PKIKP 02 12 30.7 -0.2  
ILAR Eielson Array 149.60 322 PKP PKIKP 02 12 33.7 -0.4

KLU Klutina 149.71 316 PKP PKIKP 02 12 34.4 -0.1  
KRSR Korea Array 149.95 325 PKP PKIKP 02 12 35.6 0.0

G23K Bananza Creek 150.30 27 PKP PKIKP 02 12 35.6 +0.1

IDC 21 01:53:10.8:1.1, 62:03S, 56:71W, h0km, mb3.6/4, m1bpm3.6/4, MS3.5/7, Error ellipse: s-maj=68.9km s-min=22.2km az=10.0

ISC 21 01:53:10.9:0.8, 62:33S, 0:07, 58:22W, 0.07, h10km, n18, z=151/13, mb3.6/4, South Shetland Islands

JUBA Jubany 0.23 293 eP ISC 01 53 14.4 -1.2  
JUBA 01 53 16.7 -2.0  
JUBA 01 53 17.9

ESZ Base Esperanza 1.21 153 iP P 01 53 33.0 -0.9  
ESZ 01 53 48.7 -0.9

PMSA Palmer Station 3.58 224 LR LR 01 54 06.8 +0.4  
PMSA 01 54 50.1 +1.3

EFI East Falkland 10.68 1 iP P 01 55 45.5 +1.7  
VNA3 Neumayer Olymp 20.49 136 P P 01 57 51.0 +0.3

SNAA Snares 22.66 137 P P 01 57 10.7 -1.2  
PLCA Paso Flores 22.86 335 P P 01 58 15.7 +1.4

GSPA South Pole Qui 27.90 180 P P 01 59 03.1 +2.4  
CPUP Villa Florida 35.99 14 P P 02 00 10.6 -1.1

VNDA Vanda 38.24 193 P P 02 00 36.7 +6.3  
H10S2 ASCENSION HYDR61.90 51 T T 03 10 40.0

H10S3 ASCENSION HYDR61.90 51 T T 03 10 41.0  
H10S1 ASCENSION HYDR62.99 50 T T 03 12 01.8

H10N1 ASCENSION HYDR62.99 50 T T 03 12 02.0  
H10N2 ASCENSION HYDR63.00 50 T T 03 12 03.1

BVAR Borovoye Array 151.73 85 PKP PKPb 02 13 03.5 -0.7  
MKAR Makanchi Array 152.88 107 PKP PKIKP 02 13 08.0 +0.7

IDC 21 01:58:42.7:1.4, 54:31N, 160:27W, h0km, mb3.7/8, m1bpm3.7/8, ML3.0/7, Error ellipse: s-maj=34.8km s-min=24.0km az=10.0

NEIC 21 01:58:43.2:1.5, 54:48N, 160:14W, 0.04, h26km, 6km, ML3.6/38, ML3.6/38, ML3.4(AEIC), Error ellipse: s-maj=3.9km s-min=2.8km az=155.0  
AEIC 21 01:58:49.6:1.8, 54:48N, 160:15W, 0.03, h26km, 6km, Error ellipse: s-maj=6.7km s-min=2.2km az=172.0

ISC 21 01:58:46.3:1.7, 54:43N, 160:11W, 0.03, h15km, 9km, n131, z=1523/141, mb4.0/8, Alaska Peninsula

CNBA Chernabura Isl 0.50 38 Op ISC 01 59 04.4 -0.2  
CNBA 01 59 14.7 -2.3  
CNBA 01 59 09.6

SDPT Sand Point 0.94 347 Pg Sg 01 59 04.4 -0.2 01 59 18.7 -2.3

SDPT 01 59 19.5  
PNTA Pavlov North-7 1.48 314 P 01 59 13.8 +0.2

PNTA 01 59 31.9 +0.3  
PNTA 01 59 32.7 +0.4  
VNKR Veniaminof 5 1.66 15 P 01 59 16.7 +1.8

VNKR 01 59 37.5 +1.4  
S12K Black Hills 1.70 320 P 01 59 16.1 +1.4  
S12K 01 59 37.5 +0.6

VNSS Veniaminof 8 1.84 12 P 01 59 19.1 +1.5  
VNSS 01 59 19.5 -0.3  
VNSS 01 59 42.9 +0.2

VNFG Fog Glacier, M 1.89 10 P 01 59 19.9 +1.8  
VNFG 01 59 20.1 -0.4  
Sb 01 59 44.1 +0.2

CHGN Chignik 2.11 27 P 01 59 22.1 +1.0  
CHGN 01 59 55.2

CHGN comp=N,287nm,0.7s IAML 01 59 56.0

SSLN Shishaldin Nor 2.29 281 Pn 01 59 25.2 +1.6  
SSBA Shishaldin 2.36 280 Pn 01 59 26.2 +1.6

BPCA Veniaminof 2.36 23 Pn 01 59 26.6 +2.2  
WTUG Tugamak 2.52 281 Pn 01 59 28.4 +1.7

ANPB Aniakhchak Plen 2.59 23 Pn 01 59 28.6 +1.7  
WESH West Dahl Nor 2.61 275 Pn 02 00 12.4 +0.9

ANPK Aniakhchak Peak 2.67 24 Pn 01 59 31.1 +2.2  
WESP Westdahl Peak 2.69 273 Pn 01 59 30.4 +1.3

WEBT Westdahl Beart 2.71 275 Pn 01 59 31.6 +2.3  
WEBT 02 00 04.5 +2.6  
WECS Westdahl Cape 2.72 274 Pn 01 59 30.9 +1.3

WECS 02 00 02.3 +0.1  
CHIR Chirkof Island 2.93 60 Pn IAML 01 59 32.6 +0.3  
CHIR 02 00 29.2

CHIR comp=N,254nm,1.1s IAML 02 00 30.5  
CHIR comp=E,222nm,1.3s IAML 02 00 07.9 +0.6

AKUT Akutan 3.33 267 Pn IAML 01 59 33.9 +1.5  
AKUT 02 00 33.7

AKUT comp=N,104nm,1.6s IAML 02 00 43.9  
R16K Pilot Point 3.45 23 Pn 01 59 41.3 +1.8

R16K 02 00 21.6 +1.5  
ZRO Akutan Zero 3.46 267 Pn 01 59 42.0 +2.4

LVA Lava Point 3.48 268 Pn IAML 01 59 40.1 +0.1  
LVA 02 00 42.3

LVA comp=E,109nm,0.7s IAML 02 00 51.6  
UNV Unalaska Valle 3.81 264 Pn 01 59 45.2 +2.0

R17L Mt. Peulik Vol 3.84 32 Pn 01 59 46.8 +0.9  
O15K Makushin Heise 3.90 265 Pn 01 59 47.5 +1.5

MREP Makushin Rep 3.95 264 Pn 01 59 48.2 +2.1  
MSW Makushin Switc 3.95 265 Pn 01 59 47.8 +1.4

SII Sitkinak Islan 3.99 55 Pn IAML 01 59 48.6 +1.7  
SII 02 01 22.2

PLKS Peulik 5 4.01 25 Pn 01 59 49.0 +1.9  
Q17K Contact Creek 4.50 30 Pn 01 59 55.6 +1.6

CAHL Cahill 4.51 35 Pn 01 59 55.7 +1.6  
ANCK Angle Creek 4.57 32 Pn 01 59 56.8 +1.9

ACHA Angle Creek He 4.63 33 Pn 01 59 57.1 +1.3  
OBU Old Buttes 4.63 33 Pn 01 59 58.0 +0.6

OHAQ Old Harbor 4.76 51 Pn 02 01 01.5  
OHAQ 02 01 01.5

OHAQ comp=E,31nm,2.8s IAML 02 01 20.5  
P16K Nushagak River 4.76 13 Pn 01 59 58.4 +0.9

P16K 02 01 37.7  
O15K Ungalikthik R 4.76 2 Pn 01 59 57.9 +0.4

O15K Tiguyakuivut M 4.88 353 Pn 01 59 60.0 +0.9  
O14K 02 01 35.4

O14K comp=N,32nm,1.0s IAML 02 01 40.2  
KARR Katmai Rainbow 5.06 34 Pn 02 00 02.7 +1.1

P17K Kvichak River 5.19 21 Pn 02 00 03.9 +0.6  
O16K Kokovik River B 5.29 11 Pn 02 00 06.1 +1.3

KDAD Kodiak Island 5.39 48 Pn IAML 02 00 06.4 +0.3  
KDAK 02 02 02.1

KDAK comp=E,43nm,2.6s IAML 02 02 32.1  
N14K Kuskokwak Cree 5.58 352 Pn 02 00 09.6 +1.0

Q19K Cape Douglas, 5.75 36 Pn 02 00 12.4 +1.3  
Q19K 02 00 15.5 +1.3

O18K Kottuk Hills 5.06 24 Pn 02 00 16.6 +1.3  
N16K Nishik Lake 6.10 6 Pn 02 00 17.4 +1.4

M13K Dall Lake 6.25 345 Pn 02 00 19.0 +1.1  
M15K Kasigluk River 6.29 157 Pn 02 00 19.7 +1.2

N17K Nushagak Hills 6.31 337 Pn 02 00 19.9 +1.1  
M16A Satturuk Islet 6.34 300 Pn 02 00 20.5 +1.3

O19K Port Alsworth 6.58 26 Pn 02 00 23.7 +1.3  
M16K Timber Creek 6.64 5 +1.2

ILSW Iliamna Southw 6.73 31 Pn 02 00 25.9 +1.3  
CNPM China Post 7.04 40 Pn 02 00 30.6 +1.8

CAIK Castle Creek 7.07 350 Pn 02 00 31.5 +1.4  
N19K Bonanza Creek 7.08 23 Pn 02 00 30.7 +1.4

M17K Holifna River 7.13 10 Pn 02 00 30.4 +0.3  
L15K Ungalak Mounta 7.31 355 Pn 02 00 32.9 +0.6

M18K Stony River 7.44 16 Pn 02 00 35.4 +1.2  
L17K Donlin 7.79 6 Pn 02 00 40.5 +1.5

L17K Katmai Mount 7.90 344 Pn 02 00 41.8 +1.0  
N18K Wolf Creek Mout 7.92 355 Pn 02 00 41.8 +1.0

L18K Granite Mounta 8.02 12 Pn 02 00 42.9 +0.8  
M19K Big River Lodg 8.08 20 Pn 02 00 45.0 +2.0

SLKM Skliak Lake 8.09 37 Pn 02 00 44.4 +1.2  
L19K White Mountain 8.25 17 Pn 02 00 47.5 +2.1

K17K Iditarod 8.37 6 Pn 02 00 47.0 +0.7  
J14K Nanvanarak Lak 8.53 349 Pn 02 00 49.7 +0.5

S1K Skwentna 8.81 27 Pn 02 00 54.2 +1.2  
J16K Anvik River 8.88 359 Pn 02 00 54.5 +0.5

P1W Port Wells 9.01 40 Pn 02 00 56.8 +1.0  
N19K Kuskokwak River 9.23 19 Pn 02 00 58.5 +0.3

KNK Knik Glacier 9.34 37 Pn 02 01 00.5 +0.2  
GHO Goryok Hill 9.44 34 Pn 02 01 02.2 +0.5

H17K Unalakleet 9.49 358 Pn 02 01 02.5 +0.2  
SML Sawmill 9.66 35 Pn 02 01 04.9 +0.2

J19K Poorman 9.86 12 Pn 02 01 07.2 -0.2  
CAIS Castle Island 9.91 21 Pn 02 01 08.4 +1.3

KAIM Kayak Islands 10.13 51 Pn 02 01 11.8 +0.7  
KLU Klutina 10.32 41 Pn 02 01 14.4 +0.6

SUCK Suckling Hills 10.49 51 Pn 02 01 17.0 +1.0  
KIWB Kanaga Island 10.55 263 Pn 02 01 18.0 +1.1

H14K Honhosa River 10.79 7 Pn 02 01 20.9 +0.2  
PAX Pax River 11.43 36 Pn 02 01 21.1 +0.2

WRH Wood River Hill 11.76 26 Pn 02 01 32.7 -0.6  
IMAR Indian Mountai 12.01 13 Pn 02 01 37.9 +1.2

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time Res, h m s ISC, Res. Includes stations like ILAR, G21K, F21K, N30M, L29M, I27K, I28M, J29N, G24K, D24K, J30M, H29M, I30M, D25K, F28M, G29M, C26K, C26K, H31M, E29M, E29M, F30M, INK, INK, PETK.

21d 2h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PDAR Pinedale Array, H1121 WAKE ISLAND Hy 42.78 229 T, etc.

IDC 21 02:00:24.9:0.4, 6.2, 17S:57.7W, h0km, mb4.4/15, mtbpm4.4/17, ML3.6/2, MS4.1/8, Error ellipse: s-maj=16.7km s-min=11.2km az=75.0

NEIC 21 02:00:26.4:1.3, 6.2:32S:0.06:58.3W:0.1, h12km, 3km, mb5.2/56, Mww5.2/13, Error ellipse: s-maj=9.5km s-min=6.2km az=118.0

NEIC 21 02:00:26.4, 6.2:31S:58.31W, h12km Moment Tensor. Duration: 1.87 Moment tensor: Scale 10^16Nm; Mn=5.35; Mw=4.28; Mr=4.31; Ms=2.58; Mr=2.11;

Fault plane solution: M0:33000x10^16 NP1: 0.190,550000; 0.830,050000; -1.254,470000. NP2: 0.050,010000; 0.865,930000; -1.71,440000. Principal axes: T 7.048, Azim19.0000, Azm126.0000; N 0.4826, Azim17.0000, Azm222.0000; P -7.5574, Azim64.0000, Azm351.0000;

GFZ 21 02:00:30.1:0.2, 6.2:22S:3x5.8W:1, h10km, M4.8/23, mb4.9/23

GCMT 21 02:00:34.0:0.2, 6.2:28S:0.01:58.0W:0.04, h12km, MW5.1/109, Moment Tensor Solution. s43,c56; s109,c165; Duration: 0 Moment tensor: Scale 10^16Nm; Mn=4.87; Ms=2.91; Mr=1.11; Mw=1.96; Ms=0.98; Mr=0.44; Mw=3.27; Ms=1.09; Mr=1.99; Az=48; Best double couple: Ms=7.98000x10^16 NP1:0.251,000000; 0.847,000000; -1.57,000000. NP2:0.27,000000; 0.853,000000; -1.120,000000. Principal axes: T 5.7710, Azim3.0000, Azm138.0000; N 0.0540, Azim236.0000, Azm47.0000; P -5.8260, Azim66.0000, Azm236.0000; nstia1 refers to body waves, cut-off 40s. nstia2 refers to surface waves, cut-off 50s. Triangular moment-rate function

ISC 21 02:00:26.3:0.3, 6.2:33S:0.04:58.22W:0.04, h10km, n211, c1591/193, mb5.1/51, MS4.1/8, 2C-3D, South Shetland Islands

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various seismic stations and their data points.

2020 OCT

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various seismic stations and their data points.

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Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various seismic stations and their data points.

AEIC 21 02:05:28.0:1.7, 54.145N:0.05:159.69W:0.09, h24km, 5km, Error ellipse: s-maj=8.5km s-min=5.7km az=133.0 NEIC 21 02:05:25.8:1.6, 54.39N:0.06:159.75W:0.08, h19km, 8km, mb3.4/9, ML3.4/4, ML3.1(AEIC), Error ellipse: s-maj=8.6km s-min=6.7km az=158.0, South of Alaska



21d 3h

Table with columns for station name, time, and response. Includes stations like BOSA Boshof, BOSA Boshof, H10N3 ASCENSION HYDR62.95, etc.

IDC 21 02:22:02.21.4, 54.61N; 159.71W, h0km, mb3.6/8, mbtmp3.6/11, ML3.4/3, Error ellipse: s-maj=28.8km

NEIC 21 02:22:05.8.1.2, 54.46N; 01.159.51W; 0.08, h19km, 5km, mb3.5/12, ML3.5/36, ML3.4(AEIC), Error ellipse: s-maj=7.0km s-min=1.8km az=93.0

AEIC 21 02:22:07.2.1.4, 54.51N; 0.04:159.55W; 0.06, h7km, 5km, Error ellipse: s-maj=6.6km s-min=4.5km az=148.0

ISC 21 02:22:03.1.0.7, 54.38N; 0.05:159.47W; 0.04, h10km, m133, m142/127, mb3.7/8, South of Alaska

Main table for station data, columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CNBA Chernabura Isl, CHNA Chernabura Isl, SDPT Sand Point, etc.

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Table with columns for station name, time, and response. Includes stations like N18K Kilauea Creek, M16K Timber Creek, SPIA Saint Paul Isl, etc.

ILAR comp=2.1nm, 1.1s AML AML

J30M comp=2.2nm, 0.9s AML AML

Q32M comp=2.4nm, 1.1s AML AML

I30M comp=2.5nm, 1.1s AML AML

G29M comp=2.3nm, 1.1s AML AML

R33M comp=2.1nm, 0.9s AML AML

DLCB comp=2.5nm, 1.1s AML AML

G31M comp=2.5nm, 1.1s AML AML

C26K comp=2.5nm, 1.1s AML AML

F30M comp=2.6nm, 1.1s AML AML

INX comp=2.1nm, 0.9s AML AML

PDKR comp=2.4nm, 0.6s AML AML

PDAR comp=2.0nm, 0.5s AML AML

PDAR comp=2.0nm, 0.5s AML AML

H1N3 comp=2.8nm, 0.6s AML AML

H1N1 comp=2.8nm, 0.6s AML AML

H1S1 comp=2.8nm, 0.6s AML AML

H1S2 comp=2.8nm, 0.6s AML AML

H1S3 comp=2.8nm, 0.6s AML AML

TXAR comp=2.0nm, 0.7s AML AML

KURBB comp=2.1nm, 0.3s AML AML

BVAR comp=2.0nm, 0.4s AML AML

HFS comp=2.1nm, 0.6s AML AML

MKAR comp=2.4nm, 0.6s AML AML

AB31 comp=2.1nm, 0.6s AML AML

ABKAR comp=2.1nm, 0.6s AML AML

AKAS comp=2.1nm, 0.6s AML AML

QSPA comp=2.1nm, 0.9s AML AML

NEIC 21 02:27:17.5-0.7, 19.2N; 01.64:70W; 0.06, h30km, 19km, ML2.5/34, MD3.8/(RSPR), Error ellipse: s-maj=18.3km

RSPR 21 02:27:19.2, 19.23N; 64.80W, h80km, 16km, MD3.8/7

ISC 21 02:27:14.2.3.4, 19.3N; 01.64:68W; 0.07, h10km, 25km, n26, c075/37, 7C-4D, Virgin Islands

Main table for station data, columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Code Station Name, Az, Phase ID, Time, Res.

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Table with columns for station name, time, and response. Includes stations like OBIP Obispo Ponce, OBIP Obispo, OBIP Las Mesas, etc.

TRN 21 02:28:58.2, 14.67N; 61.04W, h165km, MD3.9, Martinique, Windward Islands

Main table for station data, columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Code Station Name, Az, Phase ID, Time, Res.

IDC 21 03:04:45.0, 8.34N; 31N-25:30E, h0km, mb3.7/10, mbtmp3.7/21, ML3.4/9, Error ellipse: s-maj=14.3km

ISK 21 03:04:50.5, 34.42N; 25:26E, h84km, ML3.7/22

ATH 21 03:04:50.5, 34.32N; 25:24E, h27km, 1km, ML3.8/18, Latitude uncertainty: 3 km; Longitude uncertainty: 1 km

THE 21 03:04:52.2, 34.4N; 4.25E, h22km, 13km, M3.6/8, ML3.6/8

GII 21 03:04:55.0, 30.34N; 056N; 001:25:980E; 0.001, h0km, Mws4.0, confirmed

ISC 21 03:04:47.4, 1.3, 34.15N; 0.05:25:33E; 0.03, h30km, 9km, n149, c2818/188, mb3.5/9, Crete

Main table for station data, columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Code Station Name, Az, Phase ID, Time, Res.











Table with columns: Station, Name, Frequency, Power, Mode, and other parameters. Includes stations like CLTN Cedars of Leba, T50A Nancy, KNGR Kungtung, etc.

Table with columns: Station, Name, Frequency, Power, Mode, and other parameters. Includes stations like ARTI Arti, KIRV Kirov, MAKZ Makanchi, etc.

Table with columns: Station, Name, Frequency, Power, Mode, and other parameters. Includes stations like MNK Minsk, LPSR Galich'ya Gora, DZA Taraz, etc.





Table with columns for station name, frequency, power, and other technical details. Includes stations like KURK Kurchatov, BTLS Baital, KLR Kul'dur, ZEA Zeya, HYB Hyderabad, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like KPJI Karang Pucung, KAPI Karang, KAPI Kappang, KAPI Kappang, KMMI Kallang, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like RAYN Ar Rayn, RAYN Ar Rayn, KNRA Kununurra, APA Apunurra, BNN Jabal al Asfar, etc.

21d 4h

Table with columns for station ID, name, elevation, and various data points. Includes stations like BURAR, MLR, FAUS, VOIR, etc.

2020 OCT

Table with columns for station ID, name, elevation, and various data points. Includes stations like IMAR, C24K, O15K, DAG, CONA, etc.

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Table with columns for station ID, name, elevation, and various data points. Includes stations like F28M, AQU, AQU, AQU, etc.





21d 4h

Table with columns: Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H10N3 ASCENSION HYDR03.77 128 T T 06 31 31.9.

IDC 21 04:21:17.2.0.7, 2.90N, 96.22E, h0km, mb4.3/24, mbmp4.3/25, ML4.5/2, MS3.9/13, Error ellipse: s-maj=20.8km s-min=16.2km az=55.0

DJA 21 04:21:21.1.0.6, 3.1N, 3.9E, h13km, 5km, M4.9/27, mB5.1/3, mb4.9/6, MLV4.9/27, Mw(mb)4.5/3

GFZ 21 04:21:22.9.0.2, 3.1N, 4.9E, h31km, M4.7/21, mb4.7/21, confirmed

BKK 21 04:21:23.4.1.0, 3.1N, 6.9E, h10km, M4.5/7, mB5.1/5, Mjma4.2/7, ML4.6/5

NEIC 21 04:21:23.3.1.8, 2.85N, 0.06E, 96.26E, 0.06, h35km, 1km, mb4.6/31, Error ellipse: s-maj=11.1km s-min=8.2km az=39.0

ISC 21 04:21:22.3.0.7, 2.84N, 0.04E, 96.25E, 0.05, h32km, 5km, n167, s1930/150, mb4.6/61, MS3.9/14, 2C, Northern

Main table for 21d 4h section with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SNSI Sinabang, Aceh 0.43 170 Op Pb 04 21 31.6 +0.2.

2020 OCT

Main table for 2020 OCT section with columns: Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LYN comp=Z,16nm,0.6s pmax pmax.

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Table for 1180 section with columns: Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H04S2 CROZET ISLANDS 62.98 213 T T 05 39 39.7.

IDC 21 04:22:44.8.2.1, 19.40S x 172.62W, h0km, mb3.9/4, mbmp4.7/6, ML3.6/2, MS3.1/1, Error ellipse: s-maj=96.7km s-min=21.7km az=135.0

NEIC 21 04:22:44.3.1.1, 19.1S, 0.1E, 172.27W, 0.10, h10km, 1km, mb4.3/14, Error ellipse: s-maj=19.9km s-min=14.6km az=202.0

ISC 21 04:22:44.4.0.7, 18.99S, 0.08E, 172.31W, 0.08, h13km, n26, s233/23, mb4.2/10, Tonga Islands region

Main table for 1180 section with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NIUE Niue 2.25 92 Op Pn 04 24 02.9 +2.5.





Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like KTBS, KAROTABE, KUUR, etc.

NEIC 21 05:25:51.9, 1.7, 17.57S:0.10:175.0W:0.1, h210km, 7km, mb4.3/20, Error ellipse: s-maj=15.2km s-min=12.5km az=135.0

DC 21 05:25:51.8, 1.4, 17.43S:175.08W, h212km, 14km, mb3.5/7, mbmp3.4/0.10, Error ellipse: s-maj=24.2km s-min=12.5km az=137.0

ISC 21 05:25:50.8, 0.6, 17.82S:0.09:175.01W:0.09, h200km, n35, r126/36, mb4.2/17, Tonga Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like AFI, AFM, NIUE, etc.

DC 21 05:28:22.4, 1.7, 0.75S:126.12E, h0km, mb3.4/4, mbmp3.5/5, ML3.4/2, Error ellipse: s-maj=129.9km s-min=22.5km az=68.0, Southern Molucca Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes station FITZ.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like FITZ, WRA, ASAR, MKAR, etc.

DC 21 05:39:25.3, 5.5, 3.56S:101.55E, h0km, mb3.6/4, mbmp3.6/4, Error ellipse: s-maj=288.0km s-min=24.9km az=52.0

DJA 21 05:39:38.3, 0.2, 3.3S:101.2E, h333km, 4km, M3.4/13, MLV3.4/13

ISC 21 05:39:34.0, 2.9, 2.6S:0.2:101.7E:0.3, h35km, n18, o677/5, mb3.7/4, Southern Sumatra

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like MASI, UBSI, KSI, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes station WTUG.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like WESN, WECS, AKUT, etc.

DC 21 05:53:57.0, 3.4, 18.86S:173.15W, h0km, mb3.9/3, mbmp3.9/5, ML3.5/2, Error ellipse: s-maj=95.1km s-min=17.7km az=125.0, Tonga Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like AFI, AFM, NIUE, etc.

MOS 21 06:37:31.5, 1.1, 54.39N:159.71W, h10km, mb5.1/58, Error ellipse: s-maj=8.5km s-min=4.7km az=94.4

$\lambda=123.85000^\circ$ . Principal axes:  $T\ 1.6443, P1g4.0000^\circ$ ,  
 $Azm314.0000^\circ; N\ -0.1123, P1g27.0000^\circ, Azm21.0000^\circ$ ;  
 $P\ -1.5319, P1g62.0000^\circ, Azm52.0000^\circ$ ;  
 AEIC 21 06:37:35.62.1, 54.24N.0.03:159.56W.0.08, h11km, 1km  
 Error ellipse:  $s\text{-maj}=6.3km\ s\text{-min}=5.0km\ az=97.0$   
 NEIC 21 06:37:35.6, 54.28N.159.63W, h16km  
 BUJ 21 06:37:35.4, 54.40N.159.70W, h15km, mBS, 1/10,  
 mB4.9/41, Ms4.9/24, Ms7.4/24  
 GCMT 21 06:37:37.7, 0.3, 54.38N.0.03:159.61W.0.03, h28km, 1km,  
 MW4.9/88, Moment Tensor Solution, s14,c15; s88,c123;  
 Duration: 0 Moment tensor; Scale 10<sup>19</sup>Nm;  $M_r=2.44z.24$ ;  
 $M_w1.1z.16$ ;  $M_w1.03z.15$ ;  $Mw0.3z.21$ ;  $Mw1.8z.07$ ;  
 $Mw0.6z.20$ ; Best double couple;  $M_2\ 8.8800^\circ, 101^\circ$ ;  
 $NP1.3z.56.0000^\circ, \delta\ 38.0000^\circ, \lambda\ -78.0000^\circ$ ;  $NP2$ ;  
 $\phi_2=221.0000^\circ, \delta\ 53.0000^\circ, \lambda\ -99.0000^\circ$ . Principal axes:  
 $T\ 3.1770, P1g7.0000^\circ, Azm317.0000^\circ; N\ -0.6170$ ,  
 $P1g7.0000^\circ, Azm227.0000^\circ; P\ -2.5600, P1g80.0000^\circ$ ;  
 $Azm91.0000^\circ$ ; nsta1 refers to body waves, cutoff=40s.  
 nsta2 refers to surface waves, cutoff=50s. Triangular  
 moment-rate function  
 GFZ 21 06:37:38.0, 0.2, 54.41N.16.0W.0.1, h25km, M5.4/85,  
 mB5.0/85

ISC 21 06:37:36.5, 0.7, 54.38N.0.04:159.63W.0.03, h24km, 4km,  
 nB07.1z.19/16/46, mBS.0/320, MS.0/78, 27C.29Z, South of  
 Alaska

Code	Station Name	A°	AZ°	Phase	ID	Time	Res
Op	Op	h	m	s	ISC		
CNBA	Chernabura Is1	0.44	3		Pn	06 37 46.8	+0.6
CNBA	comp=E,84µm,1.1s			IAML		06 37 56.7	
CNBA	comp=N,59µm,0.5s			IAML		06 37 56.7	
CNBA	Chernabura Is1	0.44	3		Sb	06 37 55.3	+0.6
CHNA	Chernabura Is1	0.46	3		P	06 37 46.1	+0.8
CHNA	Chernabura Is1	0.46	3		S	06 37 56.2	+0.8
SDPT	Sand Point	1.09	334		P	06 37 55.8	+0.5
SDPT	Sand Point	1.09	334		S	06 38 09.0	-1.4
SDPT	Sand Point	1.09	334		Sb	06 37 55.8	+0.5
SDPT	Sand Point	1.09	334		Sn	06 38 11.6	+1.1
SDPT	comp=N,27µm,1.3s			IAML		06 38 14.2	
SDPT	comp=E,22µm,1.1s			IAML		06 38 18.2	
VNKR	Veniaminof 8	1.66	5		Pn	06 38 04.9	+0.6
VNSW	Veniaminof 7	1.70	1		Pb	06 38 05.5	+0.8
VNSW	Veniaminof 7	1.70	1		Pb	06 38 06.0	-1.1
PNTA	Pavlov North-7	1.73	309		Pn	06 38 05.3	+0.1
PNTA	Pavlov North-7	1.73	309		Sb	06 38 29.5	+0.7
VNSS	Veniaminof 8	1.86	3		Pn	06 38 07.9	+0.9
VNSF	Fog Glacier, M	1.91	1		Pn	06 38 09.1	-1.7
W1G2	Black Hills	1.93	315		Pn	06 38 05.5	+0.7
S12K	Black Hills	1.93	315		Sb	06 38 33.3	-1.2
CHGN	Chignik	2.05	19		Pn	06 38 09.6	+0.1
CHGN	comp=E,7µm,1.6s			IAML		06 38 48.8	
CHGN	Chignik	2.05	19		Sb	06 38 37.8	-0.2
BPCBA	Veniaminof	2.32	16		Pn	06 38 13.7	+0.5
ISNPN	Isanotski Nort	2.46	282		Pn	06 38 15.3	+0.2
ISNPN	Isanotski Nort	2.46	282		Sb	06 38 16.1	+0.8
ANPK	Aniakchak Plen	2.55	17		Pn	06 38 16.9	+0.6
SSLN	Shishaldin Nok	2.58	281		Sn	06 38 48.1	+0.8
ANPK	Aniakchak Peak	2.61	18		Pn	06 38 18.0	+0.7
SSBA	Shishaldin	2.65	280		Sn	06 38 48.7	+0.4
AZAC	Aniakchak	2.65	17		Pn	06 38 18.7	+0.9
CHIR	Chirikof Is1an	2.72	56		P	06 38 08.0	-0.7
CHIR	Chirikof Is1an	2.72	56		Pn	06 38 18.4	+0.3
CHIR	comp=E,3µm,1.6s			IAML		06 39 24.1	
CHIR	comp=N,3µm,2.3s			IAML		06 39 25.3	
CHIR	Chirikof Is1an	2.72	56		Sn	06 38 51.0	+0.1
WTUG	Tugamak	2.81	282		Pn	06 38 19.8	-0.1
WESN	West Dahl Nort	2.90	276		Pn	06 38 21.2	-0.1
WESP	Westdahl Peak	2.96	274		Pn	06 38 22.1	-0.2
WGBT	Westdahl Beart	3.00	276		Pn	06 38 22.4	-0.1
WECS	Westdahl Cape	3.01	275		Pn	06 38 23.0	+0.3
WECS	comp=E,3µm,1.6s			IAML		06 39 18.9	
R16K	Pilot Point	3.40	19		Pn	06 38 28.4	+0.4
R16K	Pilot Point	3.40	19		Pb	06 38 29.4	+3.2
AKUT	Akutan	3.61	269		P	06 38 30.5	-0.4
AKUT	Akutan	3.61	269		Pn	06 38 30.5	-0.4
AKUT	comp=N,1µm,1.9s			IAML		06 39 41.4	
AKUT	comp=E,1µm,1.3s			IAML		06 39 41.5	
AKBBA	Akutan Broad B	3.71	268		Pn	06 38 31.9	-0.4
AKBBA	Akutan Broad B	3.71	268		Sn	06 39 14.4	-0.8
AKGG	Akutan Green G	3.73	270		Pn	06 38 32.4	-0.2
AKGG	Akutan Green G	3.73	270		Sb	06 38 35.1	+0.4
ZR3G	Akutan Zero	3.73	268		Pn	06 38 32.0	-0.3
R17L	Mt. Peulik Vol	3.74	28		Pn	06 38 34.0	+1.2
LVA	Lava Point	3.76	269		Pn	06 38 33.0	0.0
LVA	comp=N,3µm,0.8s			IAML		06 39 37.0	
LVA	comp=E,1µm,1.5s			IAML		06 40 00.3	
SII	Sitkinak Is1an	3.79	53		P	06 38 33.0	-0.5
SII	Sitkinak Is1an	3.79	53		Pn	06 38 32.4	-1.1
SII	comp=E,2µm,1.3s			IAML		06 39 51.1	
SII	comp=N,2µm,1.5s			IAML		06 39 52.5	
PLK1	Peulik 1	3.83	25		Pn	06 38 34.6	+0.7
PLK5	Peulik 5	3.94	22		Pn	06 38 34.2	+0.7
UNV	Unalaska Valle	4.08	265		Pn	06 38 36.2	-1.2
UNV	Unalaska Valle	4.08	265		Pn	06 38 36.5	-0.9
MNAT	Makushin Natee	4.18	266		Pn	06 38 37.8	-1.0
MSW	Makushin Switc	4.23	267		Pn	06 38 38.5	-1.0
CAHL	Cañhll	4.41	32		Pn	06 38 42.0	+0.1
CAHL	Contact Creek	4.42	27		Pn	06 38 42.7	+0.4
ANCK	Angle Creek	4.47	29		Pn	06 38 43.2	+0.4
MGLS	Mageik Landsl	4.51	32		Pn	06 38 43.9	+0.5
ACHA	Angle Creek He	4.53	30		Pn	06 38 44.3	+0.7
OHAK	Old Harbor	4.58	49		P	06 38 43.1	-1.1
OHAK	Old Harbor	4.58	49		Pn	06 38 43.4	-0.8
KABU	Katmai Buttes	4.60	30		Pn	06 38 43.7	+0.6
KAKN	Katmai Knife C	4.68	31		Pn	06 38 46.1	+0.4
P16K	Nushagak River	4.75	10		Pn	06 38 47.8	+1.2
O15K	Ungalikthiuk R	4.81	359		Pn	06 38 47.6	+0.1
O15K	Ungalikthiuk R	4.81	359		IAML	06 40 15.2	
O15K	comp=N,463nm,1.2s			IAML		06 40 24.4	
O15K	comp=E,990nm,1.8s			IAML		06 40 24.4	
KAWH	Katmai	4.83	32		Pn	06 38 47.3	-0.4
KARR	Katmai Rainbow	4.95	32		Pn	06 38 49.4	-0.4
O14K	Tiguykatet M	4.97	350		Pn	06 38 50.8	-0.8
O18K	Katmai Hardsc	4.99	29		Pn	06 38 50.2	+0.3
OKFG	Magazine Ridge	4.99	262		Pn	06 38 49.2	-0.7
KAHG	Katmai Hook G	5.00	32		Pn	06 38 50.0	-0.1
OKTU	Okmok Mt. Tuli	5.07	262		Pn	06 38 50.1	-0.9
OKRE	Okmok P'deer P	5.11	264		Pn	06 38 51.1	-0.9
P17K	Kvichak R	5.19	19		Pn	06 38 52.7	+0.9
KDAK	Kodiak Is1and	5.22	46		Pn	06 38 52.3	-0.7
KDAK	comp=E,13nm,0.3s,baz=222,slow=10,SNR=198			Sn		06 39 49.1	-3.2
KDAK	comp=E,1µm,21.8s,baz=225,slow=39			LR	LR	06 41 00.7	
KDAK	comp=E,67nm,0.6s			AML	AML	06 41 00.7	
KDAK	Kodiak Is1and	5.22	46		P	06 38 52.5	-0.5
KDAK	Kodiak Is1and	5.22	46		Pn	06 38 52.5	-0.5
KDAK	comp=E,488nm,1.4s			P	Pn	06 38 53.3	+0.4
O16K	Kokwok River B	5.30	9		Pn	06 38 54.4	+0.3
P18K	Big Mountain	5.58	24		Pn	06 38 58.2	+0.3
O17K	Koliganec Bris	5.58	13		Pn	06 38 58.3	+0.3
O19K	Cape Douglas,	5.63	33		Pn	06 38 58.7	0.0
NH4K	Kuskokwec Cre	5.67	349		Pn	06 39 01.5	+0.5
N15K	Kwethluk River	5.81	358		Pn	06 39 01.8	+0.7
O18K	Koxtuk Hills	6.00	22		Pn	06 39 04.5	+0.8
AUI	Augustine Isla	6.02	32		Pn	06 39 04.4	+0.3
N16K	Nishik Lake	6.13	4		Pn	06 39 06.3	+0.8
N16K	Nishik Lake	6.13	4		Pn	06 39 07.0	+1.5

N17K	Nushagak Hills	6.30	11		Pn	06 39 08.4	+0.4
M13K	Dall Lake	6.38	343		Pn	06 39 09.9	+1.1
O19K	Port Alsworth	6.50	24		Pn	06 39 11.5	+0.9
SP1A	Saint Paul Isl	6.61	299		Pn	06 39 12.1	0.0
SP1A	Saint Paul Isl	6.61	299		P	06 39 12.5	+0.4
ILS	Iliamna Southwest	6.85	29		Pn	06 39 12.3	-0.3
N18K	Kilaee Creek	6.63	16		Pn	06 39 13.0	+0.6
ILS	Iliamna Low S	6.63	30		Pn	06 39 12.4	-0.1
M16K	Timber Creek	6.67	3		Pn	06 39 13.5	+0.5
IVE	Iliamna Volcan	6.70	30		Pn	06 39 13.7	+0.3
ILM	Iliamna	6.76	30		Pn	06 39 14.6	+0.3
LDK	Langak Mounta	6.87	31		Pn	06 39 14.3	+0.1
CNPM	China Pt	6.90	38		Pn	06 39 15.7	-0.4
N19K	Bonanza Creek	7.02	21		Pn	06 39 18.2	+0.4
RED	Redoubt Volcan	7.10	29		Pn	06 39 19.1	+0.3
M17K	Hoitina River	7.14	9		Pn	06 39 19.8	+0.5
L14K	Kuka Creek	7.17	27		Pn	06 39 20.0	+0.3
NCT	North Crescent	7.17	348		Pn	06 39 20.1	+0.2
REF	Redoubt East F	7.17	29		Pn	06 39 20.4	+0.4
BRSE	Bradley Lake S	7.24	38		Pn	06 39 19.6	-1.1
DFR	Drift River	7.26	28		Pn	06 39 21.3	+0.2
RDK	Redoubt	7.33	29		Pn	06 39 22.4	+0.3
L15K	Unalak Mounta	7.33	353		Pn	06 39 22.4	-0.3
M18K	Stony River	7.41	14		Pn	06 39 23.3	+0.2
CKL	Chachakamna La	7.87	27		Pn	06 39 30.1	+0.7
SPBG	Spurr Blockage	7.91	26		Pn	06 39 30.2	+0.2
SPNN	North Nagahisa	7.92	25		Pn	06 39 30.6	+0.4
SEW	Seward	7.96	40		Pn	06 39 29.5	-0.7
SLKM	Skikak Lake	7.98	36		Pn	06 39 30.2	-0.5
L18K	Granite Mounta	8.02	10		Pn	06 39 31.6	+0.2
K13K	Kusivak Mount	8.03	343		Pn	06 39 31.8	+0.3
SPCG	Spurr Capps G	8.03	27		Pn	06 39 31.8	+0.2
M19K	Big River Lodg	8.04	18		Pn	06 39 32.4	+0.7
O22K	Cooper Landin	8.12	37		Pn	06 39 32.9	+1.2
L19K	White Mounta	8.22	16		Pn	06 39 34.7	+0.5
STLK	Strandline Lak	8.25	27		Pn	06 39 35.1	+0.5
M20K	Styx River	8.27	22		Pn	06 39 35.9	+1.0
K17K	Iditarod	8.39	4		Pn	06 39 36.6	+0.1
SUA	Susitna One	8.53	30		Pn	06 39 38.2	-0.3
RO01	Rabot Creek A	8.55	34		Pn	06 39 38.7	+0.8
J14K	Nanvanarak Lak	8.64	348		Pn	06 39 42.8	+2.9
L20K	Farwell, AK	8.66	18		Pn	06 39 40.5	+0.2
P23K	Montague Islan	8.70	45		Pn	06 39 40.1	-0.6
SKT	Skwentna	8.73	26		Pn	06 39 41.0	-0.3
MID	Middletown Isla	8.85	50		Pn	06 39 42.2	-0.6
PWL	Port Wells	8.88	38		Pn	06 39 41.3	-1.9
J16K	Anvik River	8.95	357		Pn	06 39 43.6	+0.5
ATKA	Atka Is1and	8.99	262		P	06 39 45.6	+0.8
ATKA	Atka						



1185

Table with columns: Station, Name, Time, Day, Status, and other details. Includes stations like Black Hills, Henry Mountain, White River, Iron Mountain, etc.

2020 OCT

Table with columns: Station, Name, Time, Day, Status, and other details. Includes stations like Mudanjiang, Matsuhiro Arr, BinXian, etc.

21d 6h

Table with columns: Station, Name, Time, Day, Status, and other details. Includes stations like Waverly, Williamsport, Mont Tremblant, etc.

21d 6h

Table with columns for station ID, name, frequency, and various signal quality metrics. Includes stations like Zalesovo Array, Zalesovo Beam, ZALV, ZALZ, etc.

2020 OCT

Table with columns for station ID, name, frequency, and various signal quality metrics. Includes stations like OBNS, OBNSK, OBNSL, OBNSM, etc.

1186

Table with columns for station ID, name, frequency, and various signal quality metrics. Includes stations like KIEV, AKO1, AKO2, AKO3, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like RETA Reutte, RONA Rosalia, BURAR Bucovina Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like ESDC Sonseca Array, PHP Peshkopia, KLT Kelik, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like G26K, BMAR Burnt Mountain, F26K Sheenjek River, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like KTHA, APE, ARG, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like KORT, MANT, ANTB, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like DEL, ESCD, MD01, etc.











Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like PBO2, CO05, SALTA, TA01, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like LPA La Plata, PLCA Paso Flores, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like PRAC Prado, BOAV Boa Vista, etc.

21d 9h

Table with columns: Station, Name, Frequency, Power, Mode, and Time. Includes stations like CNGN Cerro Negro, MPMOM Morne Pois Mar, BIM Bigot, etc.

2020 OCT

Table with columns: Station, Name, Frequency, Power, Mode, and Time. Includes stations like HODGE Hodges, Y47A Carrollton, Y47A Blount Mountain, etc.

1194

Table with columns: Station, Name, Frequency, Power, Mode, and Time. Includes stations like USIN University of Tecumseh, HHAR Hobbs, Q51A Peebles, etc.

Table with columns for station ID, call letters, frequency, and other details. Includes stations like K57A, P38A Dawn, MMNVY Mt. Morris Dam, etc.

Table with columns for station ID, call letters, frequency, and other details. Includes stations like DBIC E62A Clayton Lake, E62A Ogallala, I37A Lemond, Waseca, etc.

Table with columns for station ID, call letters, frequency, and other details. Includes stations like AHID comp=Z,1.1um,22.0s, AHID Auburn Hatcher, PMOZ Porto Moniz, etc.





Table with columns: Station, Frequency, Power, Direction, Date, Time, and other parameters. Includes stations like M20K Styx River, D25K Kavik River, MLY Manley, etc.

Table with columns: Station, Frequency, Power, Direction, Date, Time, and other parameters. Includes stations like OBN Moscow, MOS Moscow, MLY Manley, etc.

Table with columns: Station, Frequency, Power, Direction, Date, Time, and other parameters. Includes stations like YAK Yakutsk, SOEI Soe, CHM Chikment, etc.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and station details for locations like Calayan Island, Pasuquin, Pinlang, etc.

NEIC 21 09:44:23.61, 1.2, 54:53N, 0:06:159:62W, 0:08, h23km, 10km, mb3.5/6, ML3.5/32, ML3.3(AEIC), Error ellipse: s-maj=0.5km s-min=6.2km az=154.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and station details for locations like Chernabura Isl, Sand Point, Veniaminof 5, etc.

Table with columns: PLK1, Peulik 1, SII, Sitkinak Islan, SII, Sitkinak Islan, etc., including time and resolution data.

NEIC 21 10:01:12.31, 1.0, 54:57N, 0:06:159:70W, 0:08, h15km, 7km, Error ellipse: s-maj=9.1km s-min=6.0km az=159.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and station details for locations like Chernabura Isl, Sand Point, Veniaminof 5, etc.

Table with columns: Q17K, Contact Creek, ANCK, Angle Creek, ACHA, Angle Creek He, etc., including time and resolution data.

IDC 21 10:03:25.1, 1.8, 53:61N, 159:26W, h0km, mb3.5/3, mbtp3.6/7, ML3.7/4, Error ellipse: s-maj=35.6km s-min=19.3km az=153.0

NEIC 21 10:03:29.1, 1.3, 54:09N, 0:05:159:54W, 0:09, h10km, 2km, mb3.7/12, ML3.3/28, ML3.1(AEIC), Error ellipse: s-maj=9.8km s-min=6.9km az=121.0

AEIC 21 10:03:30.5, 1.0, 54:10N, 0:04:159:60W, 0:08, h8km, 6km, Error ellipse: s-maj=7.4km s-min=5.9km az=133.0

ISC 21 10:03:28.2, 1.0, 54:08N, 0:08:159:50W, 0:05, h10km, n101, s136/98, mb3.9/3, South of Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and station details for locations like Chernabura Isl, Sand Point, Veniaminof 5, etc.

21d 10h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VRDI, TABL, WRH, K24K, PCA, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ILAR, SKAG, SKAG, DAWY, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BMAR, I29M, D23K, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H29M, I30M, R33M, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like G30M, C26K, INK, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PETK, H11N2, H11N3, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H11S1, H11S2, H11S3, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TXAR, ZALV, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GWJ, STH, PCJ, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LMGC, PILO, PINC, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like OMBU, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AZL, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IMP, BRDH, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SHL, MOKO, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CMAR, ODAN, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BOK, BAM, etc.

2020 OCT

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RAMN, GUN, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GUN, PKI, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PKI, PKIN, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DMN, DMN, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GKN, GKN, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DANN, DANN, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MKAR, KURBB, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA, FINES, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ASAR, ARCES, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CNBA, SDPT, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VNKR, PNTA, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like S12K, CHGN, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CHGN, SSSL, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like S12K, CHGN, etc.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like S12K, CHGN, etc.

1200

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like M29M, SKAG, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MMPY, H31M, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like G30M, INK, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AC01, AC01, etc.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AC01, AC01, etc.

NEIC 21 10:22:24.7-1.2, 54.26N, 0.05-159.57W, 0.09, h29km, 10km, mb3.6/6, ML3.2/26, ML3.1(AEIC), Error ellipse: s-maj=8.8km s-min=7.4km az=150.0

AEIC 21 10:22:25.3-1.2, 54.25N, 0.05-159.57W, 0.10, h23km, 7km, Error ellipse: s-maj=8.8km s-min=6.6km az=124.0

ISC 21 10:22:24.0-1.2, 54.23N, 0.09-159.51W, 0.06, h35km, n77, c117/80, South of Alaska

SJA 21 10:52:51.8-0.8, 25:50Sx71.30W, h15km, 4km, ML3.8, MW3.8

GUC 21 10:52:56.1-0.6, 25:52Sx70:93W, h25km, 11km, ML3.7, Error ellipse: s-maj=39.4km s-min=28.1km az=68.0

ISC 21 10:52:51.9-1.6, 25:51S, 0.02-71:15W, 0.07, h1km, 11km, n42, c216/52, mb3.9/3, Off coast of northern Chile

Code Station Name Azimuth Phase ID Time Res Includes stations like AC01, AC01, etc.

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Code Station Name Azimuth Phase ID Time Res Includes stations like AC01, AC01, etc.

SJA 21 10:58:42.1-1.4, 25:48Sx71:02W, h24km, 5km, ML3.7,

**1201**  
 MW3.5  
 GUC 21 10:58:44.0-1.6,25°49'S-70°09'W,h24km,11km,ML3.9,  
 Presumed earthquake  
 ISC 21 10:58:41.8-1.6,25°49'S-70°09'W,h9km,11km,  
 n36,e170/50,4D,Off coast of northern Chile

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
AC01	Pan de Azucar	0.79	146	Op	10 58 52.2	+0.2
AC01				Pg	10 59 07.6	+0.2
AC01				Sg	10 59 09.6	
AC01	Pan de Azucar	0.79	146	Op	10 58 57.3	+0.2
AC01				Pg	10 59 05.5	-1.9
AC01				Sg	10 59 09.0	
PB14	IPOC Station P	1.06	36	iP	10 59 02.9	+0.4
PB14				iS	10 59 16.7	+0.7
PB14				iA	10 59 18.4	
PB14	IPOC Station P	1.06	36	iP	10 59 02.9	+0.4
PB14				iS	10 59 16.4	+0.5
AC06	Mina Casimiro	1.98	161	iP	10 59 16.4	+0.9
AC06				iS	10 59 39.1	-1.3
AC06				iA	10 59 46.3	
PB10	IPOC Station P	2.02	14	iP	10 59 17.3	+1.1
PB10				iS	10 59 41.5	-0.1
PB10				iA	10 59 55.5	
PB10	IPOC Station P	2.02	14	iP	10 59 17.3	+1.1
AC02	Maricunga	2.21	128	iP	10 59 20.3	+1.1
AC02				iS	10 59 47.5	-2.6
AC02				iA	10 59 52.0	
AC02	Maricunga	2.21	128	iP	10 59 20.1	+0.8
AC02				iS	10 59 45.8	-1.2
AC02				iA	10 59 48.5	
GO03	Copiapo	2.23	160	iP	10 59 20.6	+1.5
GO03				iS	10 59 48.0	+1.1
GO03				iA	10 59 50.4	
GO03	Copiapo	2.23	160	iP	10 59 20.3	+1.2
GO03				iS	10 59 45.0	-1.1
GO03				iA	10 59 53.8	
AC04	Llanos de Chal	2.71	180	iP	10 59 24.8	-0.7
AC04				iA	11 00 16.4	
AC04	Llanos de Chal	2.71	180	iP	10 59 24.8	-0.7
PB05	IPOC Station P	2.75	17	iP	10 59 27.2	+1.0
PB05				iA	11 00 17.7	
PB05	IPOC Station P	2.75	17	iP	10 59 26.9	+0.7
PB05				iS	10 59 58.3	+1.3
PB05				iA	11 00 24.0	
PB06	IPOC Station P	3.10	27	iP	10 59 32.5	+1.5
PB06				iA	11 00 21.4	
PB06	IPOC Station P	3.10	27	iP	10 59 32.5	+1.5
PB06				iA	11 00 27.4	
AC05	El Transito	3.41	168	iP	10 59 36.7	+1.3
AC05				iA	11 00 33.4	
AC05	El Transito	3.41	168	iP	10 59 36.5	+1.1
AC05				iS	11 00 22.3	-2.0
AC05				iA	11 00 39.4	
LCO	Las Campanas	3.53	174	iP	10 59 38.1	+1.0
LCO				iA	11 00 44.5	
LCO	Las Campanas	3.53	174	iP	10 59 37.0	-0.1
LCO				iS	11 00 22.9	+3.8
PB03	IPOC Station P	3.63	20	iP	10 59 40.0	+1.5
PB03				iA	11 00 42.1	
PB03	IPOC Station P	3.63	20	iP	10 59 39.1	+0.7
AF01	San Pedro de A	3.66	47	eP	10 59 45.3	-1.6
PB07	IPOC Station P	3.90	17	iP	10 59 43.8	+1.4
PB07				iA	11 00 50.6	
PB07	IPOC Station P	3.90	17	eP	10 59 42.7	+0.6
PB07				eS	11 00 36.0	-2.4
PB09	IPOC Station P	4.04	25	iP	10 59 46.1	+1.9
PB09				iA	11 00 54.8	
PB09	IPOC Station P	4.04	25	eP	10 59 46.1	+1.9
TINO	Tinogasta	4.06	130	iP	10 59 46.0	+1.7
TINO				iA	11 00 53.6	
YCA	Vinchina	4.13	142	eP	10 59 49.5	+4.2
PB02	IPOC Station P	4.29	15	iP	10 59 49.1	+1.7
PB02				iA	11 01 07.6	
CO01	Juntas del Tor	4.56	169	iP	10 59 53.9	+2.6
CO01				iA	11 01 08.5	
PB01	IPOC Station P	4.66	19	iP	10 59 54.1	+1.5
PB01				iA	11 01 22.5	
GO04	Tololo Observa	4.67	177	iP	10 59 54.1	+1.3
GO04				iA	11 01 18.1	
AROD	Rodeo	4.88	163	iP	10 59 58.9	+3.2
ACDV	Cuesta del Vie	4.98	160	iP	10 59 00.3	+3.3
ACDV				iA	11 01 26.7	

SJA 21 11:27:18.3-0.6,23°90'S-66°83'W,h219km,7km,ML3.5,  
 MW3.5  
 GUC 21 11:27:19.9-1.3,23°88'S-66°91'W,h200km,n32,  
 Presumed earthquake  
 ISC 21 11:27:19.9-1.3,23°88'S-66°91'W,h200km,n32,  
 e170/44,2C,Jujuy Province

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
SALTA		0.62	123	eP	11 27 48.5	+0.3
AF01	San Pedro de A	1.49	308	eP	11 27 44.1	-1.0
SLA	San Lorenzo	1.53	123	eP	11 27 54.3	+0.3
HJA	Humahuaca	1.57	64	eP	11 27 54.8	+0.4
FSA	Cafayate	2.37	159	eP	11 28 02.2	-0.4
PB06	IPOC Station P	2.72	295	eP	11 28 07.4	+1.1
PB06				eS	11 28 43.8	+1.1
PB06				iA	11 28 46.6	
PB06	IPOC Station P	2.72	295	eP	11 28 07.5	+1.0
PB06				iA	11 28 47.6	
PB09	IPOC Station P	2.99	313	eP	11 28 10.0	+1.1
PB09				eS	11 28 49.9	+1.3
PB09				iA	11 28 51.4	
PB09	IPOC Station P	2.99	313	eP	11 28 11.0	+1.3
PB09				iA	11 28 52.3	
PB03	IPOC Station P	3.20	304	eP	11 28 12.8	+0.6
PB03				eS	11 28 52.4	-0.5
PB03				iA	11 28 57.5	
PB03	IPOC Station P	3.20	304	eP	11 28 12.7	+0.6
PB03				eS	11 28 51.8	-1.1
PB03				iA	11 28 55.3	
PB05	IPOC Station P	3.20	288	eP	11 28 12.6	+0.6
PB05				iA	11 29 00.0	
PB05	IPOC Station P	3.20	288	eP	11 28 12.5	+0.4
AHML	Horco Molle	3.22	154	eP	11 27 53.5	-1.9
PB14	IPOC Station P	3.28	256	eP	11 28 13.6	+0.4
PB14				iA	11 28 56.3	
PB14	IPOC Station P	3.28	256	eP	11 28 13.3	+0.1
PB14				iA	11 28 55.0	
PB10	IPOC Station P	3.36	276	eP	11 28 14.7	+0.7
PB10				iA	11 28 59.8	
PB10	IPOC Station P	3.36	276	eP	11 28 14.5	+0.6
PB10				iA	11 28 57.3	

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Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
PB07	IPOC Station P	3.49	307	eP	11 28 16.2	+0.5
PB07				eS	11 28 57.9	-1.3
PB07				iA	11 29 03.5	
PB07	IPOC Station P	3.49	307	eP	11 28 16.1	+0.4
PB07				iA	11 28 59.4	
PB01	IPOC Station P	3.70	319	eP	11 28 18.6	+0.4
PB01				eS	11 29 03.1	-0.6
PB01				iA	11 29 05.8	
PB01	IPOC Station P	3.70	319	eP	11 28 18.5	+0.4
PB01				eS	11 29 02.5	-1.2
PB01				iA	11 29 03.9	-1.2
PB02	IPOC Station P	3.76	312	eP	11 29 03.9	-1.2
PB02				eS	11 29 05.9	
PB02				iA	11 29 05.9	
PB02	IPOC Station P	3.76	312	eP	11 28 19.2	+0.3
TINO	Tinogasta	4.21	188	eP	11 28 24.7	+0.3
PB08	IPOC Station P	4.27	330	eP	11 28 26.6	+1.1
PB08				eS	11 29 17.1	+0.1
PB08				iA	11 29 19.7	
PB08	IPOC Station P	4.27	330	eP	11 28 27.4	+1.9
TA01	Diego Aracena	4.48	317	eP	11 28 28.2	+0.4
TA01				eS	11 29 19.8	-1.4
TA01				iA	11 29 29.1	
GO01	Chuzmiza	4.70	333	eP	11 28 32.4	+1.4
GO01				eS	11 29 27.9	+1.0
GO01				iA	11 29 28.6	
PB11	IPOC Station P	4.83	328	eP	11 28 32.1	-0.3
PB11				eS	11 29 27.1	-2.4
PB11				iA	11 29 30.6	
VCA	Vinchina	4.97	193	eP	11 28 35.1	+1.0
VCA				eS	11 29 33.0	+0.3
PSCG	Pisagua	5.21	324	eP	11 28 36.3	-0.8
PSCG				eS	11 29 35.4	-3.4
PSCG				iA	11 29 36.8	

ISC 21 11:34:49.7-0.7,54°27'N-159°87'W,h0km,mb4.4/29,  
 mbmp4.4/33,ML4.6/4,MS3.5/12,Error ellipse:  
 s-maj=16.0km s-min=8.2km az=155.0  
 NEIC 21 11:34:52.2-1.4,54°10'N-159°71'W,h20km  
 NEIC 21 11:34:52.4-1.4,54°10'N-159°71'W,0.04,h26km,5km,  
 mb4.5/86,ML4.2/32,Mw4.3/11,ML4.0(AEIC),Error ellipse:  
 s-maj=8.0km s-min=1.8km az=159.0, Moment Tensor  
 Solution. Moment tensor: Scale 10<sup>19</sup>Nm; Mrr-0.25;  
 Mss-0.91; Mtt-1.16; Mss-0.76; Mrr-0.68; Mrr-0.68;  
 plane solution: Ms3.72000x10<sup>15</sup> Np1.352.72000°,  
 δ79.61000°, λ-167.45000°. NP2.260.42000°,  
 δ77.66000°, λ-164.0000°. Principal axes: T 3.6972,  
 P1.0000°, Azm126.0000°; N 0.0433, P1g74.0000°,  
 Azm32.0000°; P -3.7405, P1g16.0000°; Azm217.0000°;  
 AEIC 21 11:34:53.3-1.4,54°10'N-159°71'W,0.08,h22km,5km  
 Error ellipse: s-maj=9.9km s-min=6.2km az=141.0  
 BUJ 21 11:34:53.4-1.67,45°N-160°45'W,h20km,mb5.0/6,mb4.8/29,  
 Ms7.4/31

ISC 21 11:34:51.2-1.0,54°14'N-159°74'W,0.03,h16km,6km,  
 n290,e1905/282,mb6/66,MS3.6/10,1C-1D,South of  
 Alaska

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
CNBA	Chernabura Isl	0.69	7	Op	11 35 06.0	-0.3
CNBA				P	11 35 15.7	-0.8
CNBA				Sg	11 35 17.4	
CHNA	Chernabura Isl	0.70	7	P	11 35 06.0	-0.4
CHNA				S	11 35 14.1	-0.4
SDPT	Sand Point	1.29	341	P	11 35 31.2	0.0
SDPT				S	11 35 14.3	-0.2
SDPT	Sand Point	1.29	341	S	11 35 30.4	-0.9
SDPT				Sg	11 35 41.7	
PNTA	Pavlof North-7	1.84	316	P	11 35 22.9	+0.7
PNTA				P	11 35 45.7	+0.5
VNKR	Veniaminof 5	1.91	6	P	11 3	







21d 12h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, H m s I, Code, Station Name, Az, Az', Phase ID, Time Res, H m s I. Includes stations like KSRS Korea Array, KSAR H06N1, WVT Waverly, etc.

20 OCT

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, H m s I, Code, Station Name, Az, Az', Phase ID, Time Res, H m s I. Includes stations like FETA Feichten, KBA Koelnbreinsper, SOKA Soboth, etc.

1204

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, H m s I, Code, Station Name, Az, Az', Phase ID, Time Res, H m s I. Includes stations like KBK Karagaybulak, FRU1 Bishkek, BOOM Boomsokoye usch, etc.



21d 12h

Table with columns for station call letters, location, elevation, frequency, and other technical details. Includes stations like WEBT Westdahl Beart, WECS Westdahl Cape, and various other regional stations.

2020 OCT

Table with columns for station call letters, location, elevation, frequency, and other technical details. Includes stations like ILAR, ILAR, ILAR, and various other regional stations.

1206

Table with columns for station call letters, location, elevation, frequency, and other technical details. Includes stations like PV18, PV05, PV07, and various other regional stations.

Table with columns: Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like FINES Kurchatov, KURK Kurchatov, GT2A Gaotai, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like H03N2 Juan Fernandez, H03N1 Juan Fernandez, QSPA South Pole Qui, etc.

Table with columns: Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like QIS Mount Isa, WBO Warramunga Arr, USRK Ussuriysk Arr, etc.









Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like CO01, CO01, CO01, etc.

NEIC 21 14:15:12.1±1.7, 54.31N±0.04, 159.56W±0.07, h17km, 5km, mb3.8/17, ML3.7/8, ML3.5(AEIC), Error ellipse: s-maj=5.6km s-min=4.7km az=127.0

IDC 21 14:15:13.1±3.5, 54.78N±159.94W, h0km, mb4.1/2, mbmp3.7/6, ML3.7/4, MS3.7/5, Error ellipse: s-maj=81.7km s-min=18.8km az=158.0

AEIC 21 14:15:16.2±2.2, 54.42N±0.05, 159.67W±0.05, h21km, 5km, Error ellipse: s-maj=8.7km s-min=1.9km az=153.0

ISC 21 14:15:11.9±1.8, 54.36N±0.06, 159.63W±0.04, h14km±10km, n123, c1925/129, mb4.1/3, MS3.8/5, South of Alaska

Main station list table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like CNBA, CHNA, CHNA, etc.

Table with columns: EYAK, SCM, PNL, ILAR, etc. Includes station names and coordinates. Includes text: Cordova Ski Ar, Sheep Creek Mo, Peninsula, Eielson Array, etc.

IDC 21 14:16:37.6±0.5, 54.66N±159.81W, h0km, mb4.1/37, mbmp4.1/41, ML4.3/5, MS3.5/18, Error ellipse: s-maj=13.1km s-min=9.8km az=162.0

AEIC 21 14:16:41.3±1.6, 54.44N±0.03, 159.61W±0.06, h16km, 3km, Error ellipse: s-maj=5.9km s-min=3.4km az=127.0

NEIC 21 14:16:41.5±1.5, 54.53N±0.05, 159.65W±0.08, h28km, 4km, mb4.5/73, ML4.5/38, Mw4.5/12, ML4.2(AEIC), Error ellipse: s-maj=8.2km s-min=6.1km az=159.0, Moment Tensor Solution. Moment tensor: Scale 10^19Nm; Mr:2.5; Ms:1.23; Mw:4.48; Mn:2.21; Mo:4.27; Mo:1.41; Fault plane solution: Mo:6.42000x10^15 NP1:0.187,71000; 0.61,80000; 1.145,20000. NP2:0.295,88000; 0.859,81000; 1.33,14000. Principal axes: T 6.0018, Plg4.0000; Azm151.0000; N 0.7629, Plg4.0000; Azm333.0000; P 0.7646, Plg1.0000; Azm242.0000;

NEIC 21 14:16:41.6±1.6, 54.53N±0.05, 159.65W±0.08, h28km, 4km, ISC 21 14:16:41.2±0.8, 54.55N±0.05, 159.63W±0.03, h25km, 4km, n308, c0992/287, mb4.4/64, MS3.5/14, 1C, South of Alaska

Main station list table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like CNBA, ANPB, ANPB, etc.

Main station list table with columns: R17L, AKUT, AKUT, etc. Includes station names and coordinates. Includes stations like Katmai Peulik Vol, Akutan, Akutan Harbor, etc.



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HEMU, ODEU, BUREU, KAF, etc.

IDC 21 14:28:31.8±1.3, 0.06N:125.87E, h0km, mb3.5/5, mmtbp3.5/5, MS4.0/1, Error ellipse: s-maj=136.4km s-min=20.4km az=67.0, Northern Molucca Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LEM, WRA, ASAR, SONMI, MKAR, KURBB, etc.

AEIC 21 14:32:13.0±2.6, 54.13N:104.159W, h0km, mb3km, 4km, Error ellipse: s-maj=6.9km s-min=5.8km az=120.0

NEIC 21 14:32:15.5±1.9, 54.28N:104.059W, h2km, 6km, mb3.8/26, ML3.5/38, ML2.3(AEIC), Error ellipse: s-maj=7.4km s-min=5.0km az=105.0

IDC 21 14:32:15.4±4.4, 54.50N:159.29W, h0km, mb3.8/4, mmtbp3.6/7, ML3.4/3, Error ellipse: s-maj=102.9km s-min=17.8km az=154.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CNBA, CHNA, SDPT, VNSG, etc.

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KJL, OHAQ, KAKN, P16KH, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KRJI, MASI, UBSI, etc.









Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like KNMB Chin-men Tao, SZP Santa, YSS Yuzhno-Sakhali, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like MYKOM Kota Tinggi, MYKOM Kota Tinggi, MTSU Mount Surprise, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like STKA Stephens Creek, BPAW Bear Paw Mtn, TRF Thorafore Mount, etc.

21d 16h

Table with columns: YKA, Yellowknife Ar, 73.67 28 P, P, 15 31 22.0 +1.3. Includes stations like Lake Taylor, Khatun, Oxford, ARCESS Array B, etc.

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Table with columns: GERES, GERESS Array B, 92.39 329 P, P, 15 32 56.2 -1.5. Includes stations like Geress Array B, Geress Array A, Geress Array C, etc.

1218

Table with columns: BELA, Belgrano 2, 22.34 184 P, P, 15 55 43.5 -1.4. Includes stations like Belgrano 2, Torquise, South Pole Qui, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for SJA 21 16:53:35.5, GUC 21 16:53:37.4, and AC04 Llanos de Chal.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for M16K Timber Creek, CNPM China Post, M17K Holitna River, and SEW Seward.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for TBP Tagbilaran, EDFI Ende, Flores, LBFI Labuhan Bajo, and FAKI Fak Fak.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for GUC 21 16:53:44.1, CO06 Fray Jorge, CO05 La Serena, and G004 Tololo Observa.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for NEIC 21 17:06:06.7, IDC 21 17:06:08.0, and GFZ 21 17:06:07.3.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for JAGI Jajag, BANYU, JAGI Jajag, BANYU, and JAGI Jajag, BANYU.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for AEIC 21 16:57:32.6, NEIC 21 16:57:33.3, and CNBA Chernabura Isl.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for GTOI Gorontalo, KMSI Cibinong, LUWI Luwuk, and LUWI Luwuk.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for SMRI Semarang, SMRI Semarang, SMRI Semarang, and SMRI Semarang.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for BPBCA Veniaminof 5, WNSW West Dahl Nort, and KAWH Katmai.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for PMSI Tarakan, TARAI Tarakan, DDMP Don Marcelino, and BBSI Bau Bau.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for WBO Warramunga Arr, WRAB Tennant Creek, WRAB Tennant Creek, and WRAB Tennant Creek.





Table with columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes stations like TWC Suao, EOS3, Fush Village, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes stations like ALS Cheungkung, CHKT Haiduan, EHD Tsauling, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes stations like WRR Warramunga Arr, MBWA Marble Bar, MBWA Marble Bar, etc.

21d 18h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include KAHG Katmai Hook Gl, N16K Nishliik Lake, ILSW Iliamna Southw, etc.

NEIC 21 18:37:09.1.5.7.19.10S:178.46W, h568km, 26km, mb/2.4, mbmp3.8/5, Error ellipse: s-maj=132.3km s-min=44.4km az=135.0

NEIC 21 18:37:09.8.1.4.18.48S:0.06:178.8W:0.2, h570km, 11km, mb/4.4/1.1, Error ellipse: s-maj=24.0km s-min=7.9km az=92.0

ISC 21 18:37:08.1.0.9.18.6S:0.2:178.7W:0.1, h550km, n19, s1862/20, mb4.1/1.0, Fijil Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include MSFV Nonsavu, MSFV Nonsavu, PINNC Pines Island, etc.

NEIC 21 18:38:22.7.1.7.26.87N:0.07:127.29E:0.07, h84km, 8km, mb4.3/2.8, Error ellipse: s-maj=13.8km s-min=1.0km az=140.0

NIED 21 18:38:23.6.26:92N:127:30E, h81km, MW4.1, Moment Tensor Solution. s3 Moment tensor: Scale 10^19Nm; Mv-0.15; Mw-0.22; Mx0.37; My-0.43; Mz-0.70; Mv-1.40; Fault plane solution: M1.650000x10^15 NP1: 0s17.000000, s28.000000, l-175.000000. NP2: 0s12.000000, s87.000000, l-62.000000

ISC 21 18:38:23.0.0.8.26:92N:127:39E, h93km, 10km, mb3.8/1.8, mbmp4.1/2.1, MS2.6/4. Error ellipse: s-maj=21.9km s-min=14.1km az=76.0

JMA 21 18:38:23.6.0.2.27.N11:127:3E:0.8, h81km, 2km, MD4.0/2.2, MV4.2/2.2, NEAR OKINAWA/JAMA ISLAND

JMA Felt J1 at NEAR OKINAWA/JAMA ISLAND

ISC 21 18:38:22.6.0.6.26:84N:0.05:127.36E:0.04, h94km, 6km, n124, s125/136, mb4.2/3.8, Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include JAGN Aguni-jima, JAGN Aguni-jima, JAGN Iheya, etc.

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Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include JAM Kikaishima, JZK Kikaishima, JZK Kikaishima, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include BRTR Keskin Array B, HFS Hagfors, NB2 NORARS Array B, etc.













21d 22h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GTOI Gorontalo, AFSI Ampana, LUWI Luwuk, etc.

TXNET 21 21:05:30.6, 32°N 1°10'44.4W ±0.7, h6km, 1km, ML1.5/4, Error ellipse: s-maj=1.7km s-min=1.1km az=4.0, final, Western Texas

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TPB28, WRA Warramunga Arr, etc.

21 21:25:19.3±8.2, 19.08S±176.95W, h0km, mb4.1/4, mbtmp4.1/3, Error ellipse: s-maj=212.6km s-min=41.9km az=28.0, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like STKA Stephens Creek, WRA Warramunga Arr, etc.

21 21:46:40.2±49.0, 17.46S±175.65W, h0km, mb4.1/3, mbtmp4.1/3, Error ellipse: s-maj=913.6km s-min=173.3km az=80.0, Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like STKA Stephens Creek, WRA Warramunga Arr, etc.

KRNET 21 21:48:45.0±1.4, 42.26N±80.80E, mb2.9 SOME 21 21:48:45.3, 42.18N±80.60E, h10km NNC 21 21:48:46.0±1.2, 42.11N±80.66E, h1km, 7km, mb3.4, mpv3.1, Error ellipse: s-maj=8.1km s-min=7.4km az=7.0

ISC 21 21:48:48.5±1.5, 42.33N±0.06±80.60E±0.06, h10km, n30, ±191/53, 11C-9D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KTMS Ketmen, SHLS Shalkode, etc.

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Table with columns: KPKS Kokpek, TARG Taragay, ANVS Anan'yeyvo, KNOTS Konyren, etc. Includes station codes and coordinates.

21 21:49:42.8±46.0, 24.84S±177.87W, h0km, mb4.1/3, mbtmp4.1/3, Error ellipse: s-maj=841.7km s-min=169.0km az=89.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like STKA Stephens Creek, ASAR Alice Springs, etc.

AEIC 21 22:02:53.3±1.1, 54.36N±0.05±159.56W±0.09, h16km, 6km, Error ellipse: s-maj=8.3km s-min=5.9km az=121.0, NEIC 21 22:02:53.3±1.1, 54.40N±0.06±159.62W±0.09, h2±10km, 10km, mb3.6/10, ML2±4.0, ML3.4(AEIC), Error ellipse: s-maj=10.3km s-min=5.9km az=148.0, South of Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CNBA Chernabura Isl, SAND Sand Point, etc.

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Table with columns: KARR Katmai Rainbow, O14K Tiguykauivet M, O14K comp=N, 43nm, 1.2s, etc. Includes station codes and coordinates.

IDC 21 22:41:41.9±0.6, 18.84N±147.22E, h0km, mb4.4/27, mbtmp4.3/28, ML3.6/1, MS3.8/20, Error ellipse: s-maj=19.2km s-min=11.7km az=87.0, BUJ 21 22:41:42.7, 18.91N±147.03E, h10km, mb5.1/9, mb4.7/26, Ms4.5/5, Ms7.4/26, NEIC 21 22:41:43.7±1.7, 18.84N±0.07±147.21E±0.10, h10km, 1km, mb4.8/57, Error ellipse: s-maj=16.4km s-min=11.0km az=252.0, ISC 21 22:41:46.9±0.5, 18.81N±0.05±147.21E±0.10, h37km, n139, ±1900/123, mb4.7/62, MS3.8/22, 2C-1D, Mariana Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DPSS Saipan, GUMO Guam, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like PETK, MTN, KAPI, HHC, HHL, BTO2, SHEM, WBAO, WRA, LZHM, LZDM, FITZ, ULN, SONM, ASAR, CMAR, GSI, BBOO, WMQ, VNA3, LPAZ, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like M30M, BVAR, BORK, KK31, KKAR, PPT, PPT2, ARTI, ARTI, ARTI, AB31, AB31, ABKAR, TBI, YKA, K05A, K05A, J08A, J08A, BELG, KVN, NVAR, NVAR, ARVES, ARVES, ARCES, ELK, ELK, PSUT, PSUT, DUG, DUG, HWUT, HWUT, RLMT, RLMT, PDAR, PDAR, KBZ, KBZ, FIA1, FIA1, FINES, FINES, FINES, FINES, NOA, NOA, LPIG, LPIG, BRTR, BRTR, CLL, CLL, TROLL, TROLL, VNA2, VNA2, VNA3, VNA3, LPAZ, LPAZ, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like LTHK, LTHK, KYPS, KYPS, CLEM, CLEM, RTZL, RTZL, RTZL, PSDA, PSDA, VLS, VLS, VLS, LCHA, LCHA, DMLN, DMLN, DMLN, ZARO, ZARO, ZARO, AMT, AMT, AMT, PVL, PVL, PVL, MTHA, MTHA, MTHA, PYL, PYL, PYL, RLS, RLS, RLS, ITM, ITM, ITM, FSK, FSK, FSK, AXS, AXS, AXS, DRO, DRO, DRO, VALY, VALY, VALY, MSL1, MSL1, MSL1, EVGI, EVGI, EVGI, PLEV, PLEV, PLEV, PATB, PATB, PATB, PATG, PATG, PATG, DRAG, DRAG, DRAG, PATC, PATC, PATC, PDO, PDO, PDO, NYDR, NYDR, NYDR, RIG, RIG, RIG, AGRP, AGRP, AGRP, LK02, LK02, LK02, KLV, KLV, KLV, TSLK, TSLK, TSLK, KLV, KLV, KLV, VVK, VVK, VVK, PVO, PVO, PVO, AGEO, AGEO, AGEO, EFP, EFP, EFP, TEME, TEME, TEME, GUR, GUR, GUR, MG00, MG00, MG00, SERG, SERG, SERG, KALE, KALE, KALE, KALE, KALE, AMPL, AMPL, AMPL, ANX, ANX, ANX, NPLA, NPLA, NPLA, ART2, ART2, ART2, THAL, THAL, THAL, ARVB, ARVB, ARVB, ERTV, ERTV, ERTV, EVI, EVI, EVI, KIAA, KIAA, KIAA, PRGA, PRGA, PRGA, ACOR, ACOR, ACOR, ACOR, ACOR, DLFA, DLFA, DLFA, VLI, VLI, VLI, LOU, LOU, LOU, LOU, LOU, LTK, LTK, LTK, LTK, LTK, MNVA, MNVA, MNVA, EPID, EPID, EPID, EPID, EPID, TETR, TETR, TETR, NP51, NP51, NP51, MET3, MET3, MET3, IGT, IGT, IGT, IGT, IGT, AGG, AGG, AGG, AGG, AGG, AXAR, AXAR, AXAR, PRMD, PRMD, PRMD, PRMD, PRMD, MET2, MET2, MET2, MET6, MET6, MET6, METS, METS, METS, MET1, MET1, MET1, KKRK1, KKRK1, KKRK1, JAN, JAN, JAN, VIL2, VIL2, VIL2, VIL2, VIL2, VIL2, SOF, SOF, SOF, SOF, SOF, LKR, LKR, LKR, LKR, LKR, KEK, KEK, KEK, ATAL, ATAL, ATAL, TRKA, TRKA, TRKA, MISA, MISA, MISA, ELFA, ELFA, ELFA, THL, THL, THL, STFN, STFN, STFN, ANKY, ANKY, ANKY, ATH, ATH, ATH, ATH, ATH, NOAC, NOAC, NOAC, VLY, VLY, VLY, ACHAR, ACHAR, ACHAR, etc.

SOME 21 22:41:53.5, 43.00N-81.62E, h20km  
NNC 21 22:41:55.8±2.4, 43.20N-81.62E, h0km, mb3.1, mpv2.8  
Error ellipse: s-maj=2.4, 1km s-min=7.2km az=149.0,  
Suspected Mining explosion.

ISC 21 22:41:52.0±1.9, 43.00N-101.82E, 0.07, h0km, n14,  
r131/26, 2C-5D, Northern Xinjiang

IDC 21 23:00:14.2±0.8, 37.53N-20.66E, h0km, mb4.0, 0.13,  
mbtmp3.9/23, ML3.5/8, Error ellipse: s-maj=17.1km  
s-min=9.6km az=22.0

NEIC 21 23:00:14.3±1.9, 37.28N-0.06±0.4E, 0.04, h10km, 1km,  
mb4.4/16, Error ellipse: s-maj=11.6km s-min=2.9km  
az=208.0

ISC 21 23:00:13.7±1.3, 37.25N-0.03±0.20, 41E, 0.04, h10km, 8km,  
n203, r117/223, mb4.1/19, Ionian Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like LTHK, LTHK, KYPS, KYPS, CLEM, CLEM, RTZL, RTZL, RTZL, PSDA, PSDA, VLS, VLS, VLS, LCHA, LCHA, DMLN, DMLN, DMLN, ZARO, ZARO, ZARO, AMT, AMT, AMT, PVL, PVL, PVL, MTHA, MTHA, MTHA, PYL, PYL, PYL, RLS, RLS, RLS, ITM, ITM, ITM, FSK, FSK, FSK, AXS, AXS, AXS, DRO, DRO, DRO, VALY, VALY, VALY, MSL1, MSL1, MSL1, EVGI, EVGI, EVGI, PLEV, PLEV, PLEV, PATB, PATB, PATB, PATG, PATG, PATG, DRAG, DRAG, DRAG, PATC, PATC, PATC, PDO, PDO, PDO, NYDR, NYDR, NYDR, RIG, RIG, RIG, AGRP, AGRP, AGRP, LK02, LK02, LK02, KLV, KLV, KLV, TSLK, TSLK, TSLK, KLV, KLV, KLV, VVK, VVK, VVK, PVO, PVO, PVO, AGEO, AGEO, AGEO, EFP, EFP, EFP, TEME, TEME, TEME, GUR, GUR, GUR, MG00, MG00, MG00, SERG, SERG, SERG, KALE, KALE, KALE, KALE, KALE, AMPL, AMPL, AMPL, ANX, ANX, ANX, NPLA, NPLA, NPLA, ART2, ART2, ART2, THAL, THAL, THAL, ARVB, ARVB, ARVB, ERTV, ERTV, ERTV, EVI, EVI, EVI, KIAA, KIAA, KIAA, PRGA, PRGA, PRGA, ACOR, ACOR, ACOR, ACOR, ACOR, DLFA, DLFA, DLFA, VLI, VLI, VLI, LOU, LOU, LOU, LOU, LOU, LTK, LTK, LTK, LTK, LTK, MNVA, MNVA, MNVA, EPID, EPID, EPID, EPID, EPID, TETR, TETR, TETR, NP51, NP51, NP51, MET3, MET3, MET3, IGT, IGT, IGT, IGT, IGT, AGG, AGG, AGG, AGG, AGG, AXAR, AXAR, AXAR, PRMD, PRMD, PRMD, PRMD, PRMD, MET2, MET2, MET2, MET6, MET6, MET6, METS, METS, METS, MET1, MET1, MET1, KKRK1, KKRK1, KKRK1, JAN, JAN, JAN, VIL2, VIL2, VIL2, VIL2, VIL2, VIL2, SOF, SOF, SOF, SOF, SOF, LKR, LKR, LKR, LKR, LKR, KEK, KEK, KEK, ATAL, ATAL, ATAL, TRKA, TRKA, TRKA, MISA, MISA, MISA, ELFA, ELFA, ELFA, THL, THL, THL, STFN, STFN, STFN, ANKY, ANKY, ANKY, ATH, ATH, ATH, ATH, ATH, NOAC, NOAC, NOAC, VLY, VLY, VLY, ACHAR, ACHAR, ACHAR, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like ATHU Athens Univers, KPRO Kipourio, TYRN Tyrnavos, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Resolution. Includes stations like BVAR Borovoye Array, KKAR Karatay Array, BTBK Batken, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like AMT Artemida-Makis, AMT Pylos, AMT Methoni, etc.

TIP	Timpagrande	3.52 304	Pn	Pn	23 01 48.9 -0.1	
CEL	Celeste	7.38 287	Pn	Pn	23 01 52.6 -0.1	
OHR	Ohrid	3.87 3	i Pn	Pn	23 01 56.0 +2.2	
IDI	Anovija	4.05 117	Pn	Pn	23 01 54.0 -0.2	
IDI	19nm,0.3s,baz=299,slow=13,SNR=3.0					
IDI	26nm,0.3s,baz=280,slow=15,SNR=9.8				Pb	23 02 02.6 -3.6
IDI	75nm,0.3s,baz=326,slow=11,SNR=6.6				Sn	23 02 03.1 -1.0
IDI	comp=Z,7um,21.2s,baz=295,slow=49				LR	23 04 06.3
IDI	Anovija	4.05 117	Pn	Pn	23 01 57.7 +1.4	
THERA	Ancient Thera,	4.09 101	P	P	23 01 57.7 +0.9	
VAY	Valandovo	4.38 21	i Pn	Pn	23 02 02.8 +2.0	
MATE	Matera	4.50 320	↑P	Sn	23 02 01.5 +0.9	
MATE	Matera	4.50 320	eP	Pb	23 02 15.6 +1.8	
CHOS	Chios island	4.55 74	P	Pn	23 02 04.1 +0.9	
CUC	comp=Z,473nm,0.6s					
SKO	Skopje	4.58 308	Pn	Pn	23 02 05.0 +1.4	
VAE	Valguarnera	4.85 275	Pn	Pn	23 02 07.4 +1.1	
VAE	comp=Z,224nm,0.6s,baz=152,slow=7.7,SNR=38					23 02 08.3 +1.0
VAE	comp=Z,43nm,0.3s,baz=356,slow=13,SNR=3.0				Sn	23 02 59.5 -3.4
RAFF	Raffo Rosso	4.89 272	Pn	Pn	23 02 07.3 -0.5	
PEHC	Pehcevo	4.89 22	i Pn	Pn	23 02 10.3 +2.4	
MMB	Musomishta	4.98 29	Pn	Pn	23 02 11.4 +2.3	
ACER	Acerenza	5.01 316	Pn	Pn	23 02 10.6 +1.1	
WDD	Wied Dalam	5.01 255	Pn	Pn	23 02 08.5 -0.8	
WDD	Wied Dalam	5.01 255	P	Pn	23 02 09.7 +0.3	
KKB	Krupnik	5.02 23	P	Pn	23 02 11.7 +2.1	
DRME	Dravecica, Mon	5.04 349	ePn	Pn	23 02 09.4 -0.4	
PDG	Podgorica	5.26 350	↑P	Pn	23 02 11.7 -1.2	
PDG	Podgorica	5.26 350	↑P	Sn	23 02 12.5 -0.4	
PDG	Podgorica	5.26 350	ePn	Pn	23 02 12.1 -0.8	
DKL	Dikili	5.37 68	↑P	Pn	23 02 15.5 +1.1	
HCY	Herceg Novi	5.42 344	ePn	Pn	23 02 13.8 -1.3	
RZN	Rožan	5.45 35	P	Pn	23 02 17.9 +1.2	
KARP	Karpathos	5.64 105	Pn	Pn	23 02 19.3 +1.3	
KARP	Karpathos	5.64 105	eP	Pn	23 02 25.4 +7.3	
KARP	Karpathos	5.64 105	P	Pn	23 02 22.9 +4.8	
ALN	Alexandroupoli	5.65 48	P	Pn	23 02 18.1 -0.2	
ALN	Alexandroupoli	5.65 48	↑P	Pn	23 02 14.4 +1.1	
ALN	Alexandroupoli	5.65 48	P	Pn	23 02 18.6 +0.4	
PLNA	Plana	5.69 22	P	Pn	23 02 22.2 +3.3	
TREB	Trebinje	5.71 344	ePn	Pn	23 02 17.4 -1.6	
WTS	Witosa	5.85 21	P	Pn	23 02 21.1 +1.4	
CLTB	Cattabellotta	5.85 275	P	Pn	23 02 23.1 +2.7	
TRAN	Tran	5.82 16	P	Pn	23 02 21.6 +1.0	
BRY	Bratogost	5.84 346	ePn	Pn	23 02 19.6 -1.4	
SOF	Sofia	5.85 21	P	Pn	23 02 23.9 +2.8	
PAOL	Paolisi	5.96 311	Pn	Pn	23 02 23.3 +0.8	
SJES	Sjenica	6.02 356	ePn	Pn	23 02 23.2 -0.2	
UPM	Unac-Piva	6.07 349	ePn	Pn	23 02 26.2 +0.8	
KLINJ	Klinje	6.09 347	ePn	Pn	23 02 25.2 +0.8	
BALY	Balya	6.12 64	P	Pn	23 02 28.0 +3.2	
ARG	Arkhangelos	6.22 97	P	Pn	23 02 27.2 +1.2	
ARG	Arkhangelos	6.22 97	P	Pn	23 02 27.2 +1.2	
ARG	Arkhangelos	6.22 97	P	Pn	23 02 27.9 +1.9	
BALB	Balikesir	6.27 65	Pn	Pn	23 02 27.3 +0.5	
BALB	Balikesir	6.27 65	↑P	Pn	23 02 27.9 +1.2	
BOVS	Bovan	6.45 8	↑P	Pn	23 02 28.8 -0.4	
MANT	Manisa	6.50 77	↑P	Pn	23 02 30.4 +0.3	
BLBK	Belogradchik	6.58 14	↑S	Sn	23 02 32.1 +1.0	
BLBK	Belogradchik	6.58 14	↑S	Sn	23 02 36.0 +0.5	
MPEP	Malo Peshtene	6.59 21	Pn	Pn	23 02 32.9 +1.8	
BBLs	Lazi&#263i	6.67 353	ePn	Pn	23 02 31.6 -0.6	
TAVA	DENIZLI_Tavas	6.71 86	↑P	Pn	23 02 36.5 +3.6	
PLVB	Pleven	6.90 26	↑P	Pn	23 02 36.3 +0.9	
INTR	Introdacqua	6.95 315	Pn	Pn	23 02 31.6 +0.4	
PUNG	Pungina	7.26 14	↑P	Pn	23 02 40.6 0.0	
TEKS	Tekeri	7.33 355	ePn	Pn	23 02 39.5 -1.9	
VLAD	Vladia	7.37 23	↑P	Pn	23 02 43.2 +1.4	
AKAS	Kas	7.39 95	↑P	Pn	23 02 43.9 +1.7	
AKAS	Kas	7.39 95	P	Pn	23 02 45.4 +3.2	
AQU	L'Aquila	7.47 315	P	Pn	23 02 41.3 -1.9	
AQU	L'Aquila	7.47 315	P	Pn	23 02 44.1 +0.8	
AQU	L'Aquila	7.47 315	Pn	Pn	23 02 44.1 +0.8	
AQU	L'Aquila	7.47 315	ePn	Pn	23 02 51.0 +7.7	
ELL	Elmalı	7.55 91	Pn	Pn	23 02 45.0 +0.7	
ELL	Elmalı	7.55 91	Pn	Pn	23 02 45.2 +0.7	
MDVR	Moldovita	7.58 7	↑P	Pn	23 02 44.2 -0.6	
RMGR	Halanga-Turnu	7.59 12	↑P	Pn	23 02 45.5 +0.7	
YLV	Yalova	7.68 62	P	Pn	23 02 50.9 +4.8	
LOZB	Loznica	7.69 13	↑P	Pn	23 02 46.4 +0.2	
SRE	Strehaia	7.69 15	↑P	Pn	23 02 46.2 0.0	
SRE	Strehaia	7.69 15	↑P	Pn	23 02 46.2 0.0	
HERR	Herclucane	7.76 10	↑P	Pn	23 02 46.4 +0.2	
BLJ	Banja Luka	7.90 343	ePn	Pn	23 02 49.3 +0.9	
FRGS	Fruska Gora	7.92 314	ePn	Pn	23 02 47.8 +1.8	
GUMA	Gualdo di Mace	7.99 319	Pn	Pn	23 02 51.5 +1.2	
ISP	Isparta	7.99 83	ePn	Pn	23 02 52.8 +2.3	
ISP	Isparta	7.99 83	Pn	Pn	23 02 51.0 +0.5	
ISP	Isparta	7.99 83	eP	Pn	23 02 51.2 +0.7	
HUMR	Humele	8.03 24	↑P	Pn	23 02 51.5 +0.7	
CESX	Cesi	8.10 314	0.0	Pn	23 02 51.9 +0.7	
SGRR	Singureni	8.12 29	↑P	Pn	23 02 53.1 +1.1	
BORA	Eskisehir	8.23 68	Pn	Pn	23 02 54.7 +0.9	
BZS	Buzias	8.41 5	↑P	Pn	23 02 55.0 -1.0	
BZS	Buzias	8.41 5	P	Pn	23 02 55.0 -1.0	
BZS	Buzias	8.41 5	P	Pn	23 02 55.3 -0.8	
SURR	Surduc	8.59 8	↑P	Pn	23 02 57.9 -0.6	
SULR	Sulra	8.61 29	↑P	Pn	23 03 00.0 +1.3	
SULR	Sulra	8.61 29	↑P	Pn	23 03 01.5 +2.7	
MTUR	Matau	8.68 22	↑P	Pn	23 03 01.5 +1.6	
MTUR	Matau	8.68 22	P	Pn	23 03 01.0 +1.0	
ARR	Arges	8.69 20	↑P	Pn	23 03 02.0 +0.3	
DEV	Deva	8.82 11	↑P	Pn	23 03 02.0 +0.3	
DEV	Deva	8.82 11	↑P	Pn	23 03 04.3 +2.5	
SAHE	Sakarya_HENDEK	8.87 21	↑P	Pn	23 03 03.8 +1.3	
VOIR	Voiron	8.87 21	↑P	Pn	23 03 03.8 +1.3	
KEPZ	Antalya-Kepez	8.89 89	↑P	Pn	23 03 05.3 +2.5	
MDUB	Murduru	8.95 66	↑P	Pn	23 03 06.1 +2.5	
VSL	Villasalto	9.02 288	↑P	Pn	23 03 04.5 +0.1	
VSL	Villasalto	9.02 288	↑P	Pn	23 03 04.4 +0.4	
VSL	Villasalto	9.02 288	P	Pn	23 03 06.5 +2.0	
SIRR	Siria	9.06 5	↑P	Pn	23 03 04.4 -0.6	
ISR	Istrita	9.09 28	↑P	Pn	23 03 06.0 +0.5	
ISR	Istrita	9.09 28	P	Pn	23 03 07.9 +0.5	
ISR	Istrita	9.09 28	P	Pn	23 03 07.9 +2.4	
AMBH	Ambrazfalva	9.10 1	P	Pn	23 03 07.0 +1.4	
KEST	Kesra	9.10 264	Pn	Pn	23 03 06.5 +0.7	
KEST	comp=Z,131nm,0.8s				Sn	23 04 42.8 -4.8
KEST	comp=Z,5.6nm,0.3s,baz=86,slow=20,SNR=4.3					
KEST	comp=Z,192nm,1.0s				AML	AML
KEST	Kesra	9.10 264	P	Pn	23 03 06.3 +0.6	
KEST	Kesra	9.10 264	Pn	Pn	23 03 06.4 +0.6	
MLR	Muntele Rosu	9.20 25	Pn	Pn	23 03 08.2 +1.2	
MLR	comp=Z,18nm,0.6s,baz=169,slow=8.8,SNR=19				Sn	23 04 47.5 -2.5
MLR	baz=204,slow=17				LR	LR
MLR	comp=Z,8um,21.6s,baz=202,slow=44				LR	LR
MLR	Muntele Rosu	9.20 25	↑P	Pn	23 03 08.1 +1.1	
MLR	Muntele Rosu	9.20 25	↑P	Pn	23 03 08.0 +0.9	
MLR	Muntele Rosu	9.20 25	P	Pn	23 03 08.7 +1.7	
ZAG	Zagreb	9.21 340	P	Pn	23 03 07.4 +0.3	
ZAG	Zagreb	9.21 340	P	Pn	23 03 06.3 -0.8	
NEHR	Neholu	9.26 26	↑P	Pn	23 03 08.9 +1.1	
PTJ	Puntjarka	9.29 347	P	Pn	23 03 07.1 +1.3	
TIRR	Tirgusor	9.37 37	P	Pn	23 03 09.5 +0.2	

TIRR	Tirgusor	9.37 37	Pn	Pn	23 03 09.5 +0.2	
TIRR	Tirgusor	9.37 37	↑P	Pn	23 03 10.0 +0.8	
TIRR	Tirgusor	9.37 37	↑P	Pn	23 03 09.8 +0.6	
DOVR	Dopca	9.45 21	↑P	Pn	23 03 10.7 +0.3	
COVP	Covasa-Covas	9.60 25	↑P	Pn	23 03 13.1 +0.7	
MARR	Marisel-Cluj	9.62 11	↑P	Pn	23 03 11.5 -1.3	
BEHE	Becsehely	9.62 344	Pn	Pn	23 03 12.7 0.0	
BEHE	Becsehely	9.62 344	ePn	Pn	23 03 12.1 -0.6	
BOSR	Bodos	9.63 22	↑P	Pn	23 03 13.9 +1.1	
TPGR	Topolog	9.67 36	↑P	Pn	23 03 14.0 +0.6	
DRGR	Drager	9.68 9	↑P	Pn	23 03 12.7 -0.9	
DRGR	Drager	9.68 9	↑P	Pn	23 03 12.7 -0.9	
DRGR	Drager	9.68 9	↑P	Pn	23 03 15.2 +1.6	
TURR	Turris	9.72 23	↑P	Pn	23 03 15.3 +1.2	
CJR	Cluj-Napoca	9.74 13	↑P	Pn	23 03 15.0 +0.7	
CJR	Cluj-Napoca	9.74 13	↑P	Pn	23 03 15.0 +0.7	
PLOR	Plostinia	9.75 26	↑P	Pn	23 03 15.5 +0.9	
PLOR	Plostinia	9.75 26	↑P	Pn	23 03 15.4 +0.9	
VRI	Vrincioaia	9.79 26	↑P	Pn	23 03 16.0 +0.9	
ODBI	Odobesti	9.83 28	↑P	Pn	23 03 16.8 +1.3	
TRI	Trieste	9.84 31	Pn	Pn	23 03 16.1 +0.4	
TRI	Trieste	9.84 31	P	Pn	23 03 16.1 +0.4	
LJU	Ljubljana	9.86 335	i Pn	Sn	23 03 15.4 -0.5	
LJU	Ljubljana	9.87 35	↑P	Sn	23 04 59.2 -6.7	
KSZL	Konya-Kulu	9.75 75	P	Pn	23 03 22.8 +5.2	
BSZH	Besenyasz	10.05 359	P	Pn	23 03 19.4 +0.8	
TLCR	Telc	10.11 36	↑P	Pn	23 03 19.7 +0.3	
TLCR	Telc	10.11 36	↑P	Pn	23 03 19.6 +0.3	
LTVH	Ltvarthes, Hu	10.19 5	↑P	Pn	23 03 19.7 -0.7	
LTVH	Ltvarthes, Hu	10.19 5	↑P	Pn	23 03 21.4 +1.0	
LTVH	Ltvarthes, Hu	10.19 5	↑P	Pn	23 03 20.7 +0.3	
PERS	Pernice	10.20 339	i Pn	Sn	23 03 19.3 -1.4	
PERS	Pernice	10.20 339	i Sn	Sn	23 05 04.6 -1.0	
GHRH	Gherla	10.21 28	P	Pn	23 03 22.6 +1.9	
ARCA	ARCALIA	10.24 15	↑P	Pn	23 03 20.9 -0.2	
OBKA	Obir	10.26 336	ePn	Pn	23 03 22.3 +0.8	
OBKA	Obir	10.26 336	eSn	Sn	23 05 10.5 -5.4	
SOKA	Soboth	10.26 338	eSn	Sn	23 03 20.4 -1.1	
SOKA	Soboth	10.26 338	ePn	Pn	23 05 08.6 -7.3	
BUD	Budapest	10.29 354	P	Pn	23 03 21.0 -0.8	
BUD	Budapest	10.29 354	P	Pn	23 03 21.0 -0.8	
PGF	Pugodja	10.29 305	↑P	Pn	23 03 22.7 +6.7	
VLDL	Vladesti	10.30 31	↑P	Pn	23 03 22.8 +0.8	
VLC	Villacolemand	10.32 315	P	Pn	23 03 24.4 +2.2	
TESR	Tescani	10.33 24	↑P	Pn	23 03 22.5 +0.1	
TESR	Tescani	10.33 24	↑P	Pn	23 03 27.5 +5.1	
TEOL	Teolo	10.47 323	Pn	Pn	23 03 23.3 -1.0	
PRED	Cave del Predi	10.54 333	Pn	Pn	23 03 25.2 -0.1	
BIZ	Bicaz	10.54 21	↑P	Pn	23 03 25.7 +0.4	
BR105	Keskin Array S	10.58 73	P	Pn	23 03 28.1 +2.1	
BR104	Keskin Array S	10.60 73	P	Pn	23 03 27.7 +1.5	
BR131	Keskin Array S	10.60 72	eP	Pn	23 03 27.7 +1.4	
BR131	Keskin Array S	10.60 72	eP	Pn	23 03 25.2 -1.1	
BR131	Keskin Array S	10.60 72	Pn	Pn	23 03 26.5 +0.3	
BRTR	Keskin Array B	10.60 72	Pn	Pn	23 03 26.5 +0.3	
BRTR	comp=Z,2um,19.0s,baz=257,slow=40				LR	LR
BRTR	Keskin Array B	10.60 72	i Pn	Pn	23 03 25.7 -0.6	
BRTR	comp=Z,4.0nm,0.7s				pmax	pmax
BRR	Keskin Array B					







21d 23h

Table with columns for station code, name, frequency, and signal strength. Includes stations like DBG, KUU, KUR, NRN, etc.

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Table with columns for station code, name, frequency, and signal strength. Includes stations like GTA2, GTA2, KDWAN, etc.

1234

Table with columns for station code, name, frequency, and signal strength. Includes stations like BJ12, BJ12, BJ12, etc.



21d 23h

Table with columns: WECS, Westdahl Cape, 2.91 275, Pn, Pn, 23 203 07.2 +1.4, 23 24 06.7, etc.

2020 OCT

Table with columns: WECS, Westdahl Cape, 2.91 275, Pn, Pn, 23 203 07.2 +1.4, 23 24 06.7, etc.

1236

Table with columns: SDPT, Pavlof North-7, 1.88 311, Sb, Pn, 23 27 21.7 +0.5, 23 27 13.6 -0.1, etc.

mbmp4.0,7,ML3.8/4, Error ellipse: s-maj=27.5km s-min=25.2km az=94.0 NEIC 21 23:31:21.9, 1.7, 30.72S:0.03:71.48W, 0.06, h39km, 5km, mb4.2, ML3.7(GUC), Error ellipse: s-maj=7.8km s-min=4.3km az=85.0 GUC 21 23:31:21.6, 0.8, 30.72S:71.45W, h43km, 1km, ML3.7, Presumed earthquake SJA 21 23:31:22.0, 1.2, 30.77S:71.38W, h30km, 10km, ML3.6, MW3.5

IDC 21 23:50:19.7, 0.6, 6.72S: 106.25E, h0km, mb4.2/15, mbmp4.2/15, MS3.3/1, Error ellipse: s-maj=20.9km s-min=12.1km az=41.0 NEIC 21 23:50:21.8, 1.6, 6.74S:0.09:106.33E, 0.07, h10km, 1km, mb4.5/24, Error ellipse: s-maj=18.5km s-min=4.3km az=35.0 DJA 21 23:50:23.8, 0.2, 7.52S:106.8E, h10km, M4.4/27, ML4.4/27

comp=2.3,5nm,0.9s,baz=135,slow=1.1,SNR=12 comp=2.3,5nm,0.9s QSPA South Pole Qui 83.21 180 P Iamb P 00 02 47.9 +0.1 QSPA Kule 83.81 248 P Iamb P 00 02 51.8 -0.1 AKASG Malin Array Be 87.09 322 P Iamb P 00 03 07.1 -0.2 comp=Z,1.0nm,0.6s,baz=90,slow=4.4,SNR=4.7 TROLL Troll, Antarti 87.82 198 IJP P 00 03 12.1 +1.3 MLCR Muntele Rosu 88.07 316 P P 00 03 12.9 +0.5 BURAR Bucovina Array 88.98 318 P Iamb Iamb 00 03 27.0 +0.5 comp=Z,1.8nm,0.8s VNA2 Neumayer-Stat 91.17 198 IJP P 00 03 28.2 +1.9 VNA1 Neumayer-Stat 91.55 198 P P 00 03 30.1 +2.2 VNA3 Neumayer Olymp 91.70 197 IJP P 00 03 30.2 +1.4 TXAR Lajitas Array 143.94 48 PKP PKPdf 00 09 57.5 -0.5 BDFB Brasilia 146.18 229 PKPbc PKPdf 00 10 02.1 0.0 comp=Z,0.9nm,0.3s,baz=124,slow=1.1,SNR=3.8

ISC 21 23:31:21.3, 0.8, 30.72S:0.03:71.54W, 0.04, h41km, 6km, n70, n1527/87, mb4.0/4, Near coast of central Chile Code Station Name Az Az' Phase ID Op ISC h m s ISC Res

Code Station Name Az Az' Phase ID Op ISC h m s ISC Res SKJ1 Sukabumi 0.34 132 P P 23 50 29.3 +1.1 SKJ2 Cibinong 0.62 285 P P 23 50 37.0 +0.8 CBJ1 Citeko 0.65 57 P P 23 50 37.0 +0.4

Code Station Name Az Az' Phase ID Op ISC h m s ISC Res QSPA South Pole Qui 83.21 180 P Iamb P 00 02 47.9 +0.1 QSPA Kule 83.81 248 P Iamb P 00 02 51.8 -0.1

CO06 Fray Jorge 0.09 300 Op Pn 23 31 28.5 +0.4 CO06 Fray Jorge 0.09 300 eP I S 23 31 28.6 +0.5 CO06 Fray Jorge 0.09 300 IAML 23 31 32.9 0.0

SKJ3 Serang 0.67 346 P P 23 50 40.2 +3.3 SKJ4 Tangerang 0.69 30 P P 23 50 39.8 +2.6 SKJ5 Cibirong 0.98 123 AML AML 23 50 39.3 -0.9

Code Station Name Az Az' Phase ID Op ISC h m s ISC Res QSPA South Pole Qui 83.21 180 P Iamb P 00 02 47.9 +0.1 QSPA Kule 83.81 248 P Iamb P 00 02 51.8 -0.1

CO02 Combarbal 0.67 136 i P Pn 23 31 33.6 -0.9 CO02 Combarbal 0.67 136 IAML 23 31 43.0 -1.0 CO02 Combarbal 0.67 136 Pn 23 31 34.0 -0.5

SKJ6 Lembang 1.31 92 P P 23 50 48.6 +2.0 SKJ7 Cibirong 0.98 123 AML AML 23 50 39.3 -0.9 SKJ8 Lemang 1.31 92 P P 23 50 48.6 +2.0

KRSC 22 00:06:18.2, 2.1, 53.10N:155.94E, h437km, 25km, M14.3, Kamchatka Peninsula Code Station Name Az Az' Phase ID Op ISC h m s ISC Res

CO02 Combarbal 0.67 136 eP I S 23 31 34.0 -0.5 CO02 Combarbal 0.67 136 IAML 23 31 43.1 -1.0 CO03 El Pedregal 0.74 99 P Pn 23 31 34.8 -0.7

SKJ9 Bungbuliang 1.50 117 P P 23 50 48.1 -0.3 SKJ10 Bungbuliang 1.50 117 P P 23 50 48.1 -0.3 SKJ11 Jatiwangi 1.98 82 AML AML 23 50 57.8 +0.3

Code Station Name Az Az' Phase ID Op ISC h m s ISC Res ANP Apacha 0.76 103 eP P 00 07 12.5 +0.2 GNC Ganaly 1.34 63 eP P 00 07 14.8 +0.5

CO03 El Pedregal 0.74 99 eP I S 23 31 34.8 -0.7 CO03 El Pedregal 0.74 99 IAML 23 31 44.4 -1.2 CO03 El Pedregal 0.74 99 Pn 23 31 34.8 -0.7

SKJ12 Jatiwangi 1.98 82 AML AML 23 50 57.8 +0.3 SKJ13 Cimerak 2.36 115 P Pn 23 51 00.4 +0.3 SKJ14 Karang Pucung 2.67 102 P P 23 51 09.7 +0.4

Code Station Name Az Az' Phase ID Op ISC h m s ISC Res ANP Apacha 0.76 103 eP P 00 07 12.5 +0.2 GNC Ganaly 1.34 63 eP P 00 07 14.8 +0.5

CO05 La Serena 0.84 18 Pn 23 31 37.1 +0.4 CO05 La Serena 0.84 18 Pn 23 31 48.2 +0.3 CO05 La Serena 0.84 18 eP I S 23 31 37.2 +0.4

SKJ15 Waduk Cacaban 2.87 95 AML AML 23 51 19.4 +2.9 SKJ16 Gunung Srandil 2.99 108 P P 23 51 11.3 +2.5 SKJ17 Munda Dua 3.10 317 P P 23 51 15.6 -1.1

Code Station Name Az Az' Phase ID Op ISC h m s ISC Res ANP Apacha 0.76 103 eP P 00 07 12.5 +0.2 GNC Ganaly 1.34 63 eP P 00 07 14.8 +0.5

CO04 Tololo Observa 0.84 50 eP I S 23 31 36.7 -0.2 CO04 Tololo Observa 0.84 50 Pn 23 31 36.7 -0.2 CO04 Tololo Observa 0.84 50 Pn 23 31 47.6 -0.6

SKJ18 Karang Pucung 2.67 102 P P 23 51 09.7 +0.4 SKJ19 Waduk Cacaban 2.87 95 AML AML 23 51 19.4 +2.9 SKJ20 Gunung Srandil 2.99 108 P P 23 51 11.3 +2.5

Code Station Name Az Az' Phase ID Op ISC h m s ISC Res ANP Apacha 0.76 103 eP P 00 07 12.5 +0.2 GNC Ganaly 1.34 63 eP P 00 07 14.8 +0.5

CO04 Los Peladeros 1.41 160 Pn 23 32 02.4 +0.1 CO04 Los Peladeros 1.41 160 Pn 23 32 02.4 +0.1 CO04 Los Peladeros 1.41 160 IAML 23 32 02.4 +0.1

SKJ21 Waduk Cacaban 2.87 95 AML AML 23 51 19.4 +2.9 SKJ22 Gunung Srandil 2.99 108 P P 23 51 11.3 +2.5 SKJ23 Munda Dua 3.10 317 P P 23 51 15.6 -1.1

Code Station Name Az Az' Phase ID Op ISC h m s ISC Res ANP Apacha 0.76 103 eP P 00 07 12.5 +0.2 GNC Ganaly 1.34 63 eP P 00 07 14.8 +0.5

CO01 Juntas del Tor 1.45 60 Pn 23 32 01.9 -1.4 CO01 Juntas del Tor 1.45 60 Pn 23 32 01.9 -1.4 CO01 Juntas del Tor 1.45 60 eP I S 23 32 03.9 +0.5

SKJ24 Karang Pucung 2.67 102 P P 23 51 09.7 +0.4 SKJ25 Waduk Cacaban 2.87 95 AML AML 23 51 19.4 +2.9 SKJ26 Gunung Srandil 2.99 108 P P 23 51 11.3 +2.5

Code Station Name Az Az' Phase ID Op ISC h m s ISC Res ANP Apacha 0.76 103 eP P 00 07 12.5 +0.2 GNC Ganaly 1.34 63 eP P 00 07 14.8 +0.5

CO05 La Serena 0.84 18 Pn 23 31 37.2 +0.4 CO05 La Serena 0.84 18 Pn 23 31 48.2 +0.3 CO05 La Serena 0.84 18 eP I S 23 31 37.2 +0.4

SKJ27 Waduk Cacaban 2.87 95 AML AML 23 51 19.4 +2.9 SKJ28 Gunung Srandil 2.99 108 P P 23 51 11.3 +2.5 SKJ29 Munda Dua 3.10 317 P P 23 51 15.6 -1.1

Code Station Name Az Az' Phase ID Op ISC h m s ISC Res ANP Apacha 0.76 103 eP P 00 07 12.5 +0.2 GNC Ganaly 1.34 63 eP P 00 07 14.8 +0.5

CO04 Los Peladeros 1.41 160 Pn 23 32 02.4 +0.1 CO04 Los Peladeros 1.41 160 Pn 23 32 02.4 +0.1 CO04 Los Peladeros 1.41 160 IAML 23 32 02.4 +0.1

SKJ30 Karang Pucung 2.67 102 P P 23 51 09.7 +0.4 SKJ31 Waduk Cacaban 2.87 95 AML AML 23 51 19.4 +2.9 SKJ32 Gunung Srandil 2.99 108 P P 23 51 11.3 +2.5

Code Station Name Az Az' Phase ID Op ISC h m s ISC Res ANP Apacha 0.76 103 eP P 00 07 12.5 +0.2 GNC Ganaly 1.34 63 eP P 00 07 14.8 +0.5

CO01 Juntas del Tor 1.45 60 Pn 23 32 01.9 -1.4 CO01 Juntas del Tor 1.45 60 Pn 23 32 01.9 -1.4 CO01 Juntas del Tor 1.45 60 eP I S 23 32 03.9 +0.5

SKJ33 Waduk Cacaban 2.87 95 AML AML 23 51 19.4 +2.9 SKJ34 Gunung Srandil 2.99 108 P P 23 51 11.3 +2.5 SKJ35 Munda Dua 3.10 317 P P 23 51 15.6 -1.1

Code Station Name Az Az' Phase ID Op ISC h m s ISC Res ANP Apacha 0.76 103 eP P 00 07 12.5 +0.2 GNC Ganaly 1.34 63 eP P 00 07 14.8 +0.5

CO05 La Serena 0.84 18 Pn 23 31 37.2 +0.4 CO05 La Serena 0.84 18 Pn 23 31 48.2 +0.3 CO05 La Serena 0.84 18 eP I S 23 31 37.2 +0.4

SKJ36 Karang Pucung 2.67 102 P P 23 51 09.7 +0.4 SKJ37 Waduk Cacaban 2.87 95 AML AML 23 51 19.4 +2.9 SKJ38 Gunung Srandil 2.99 108 P P 23 51 11.3 +2.5

Code Station Name Az Az' Phase ID Op ISC h m s ISC Res ANP Apacha 0.76 103 eP P 00 07 12.5 +0.2 GNC Ganaly 1.34 63 eP P 00 07 14.8 +0.5

CO04 Los Peladeros 1.41 160 Pn 23 32 02.4 +0.1 CO04 Los Peladeros 1.41 160 Pn 23 32 02.4 +0.1 CO04 Los Peladeros 1.41 160 IAML 23 32 02.4 +0.1

SKJ39 Karang Pucung 2.67 102 P P 23 51 09.7 +0.4 SKJ40 Waduk Cacaban 2.87 95 AML AML 23 51 19.4 +2.9 SKJ41 Gunung Srandil 2.99 108 P P 23 51 11.3 +2.5

Code Station Name Az Az' Phase ID Op ISC h m s ISC Res ANP Apacha 0.76 103 eP P 00 07 12.5 +0.2 GNC Ganaly 1.34 63 eP P 00 07 14.8 +0.5

CO01 Juntas del Tor 1.45 60 Pn 23 32 01.9 -1.4 CO01 Juntas del Tor 1.45 60 Pn 23 32 01.9 -1.4 CO01 Juntas del Tor 1.45 60 eP I S 23 32 03.9 +0.5

SKJ42 Karang Pucung 2.67 102 P P 23 51 09.7 +0.4 SKJ43 Waduk Cacaban 2.87 95 AML AML 23 51 19.4 +2.9 SKJ44 Gunung Srandil 2.99 108 P P 23 51 11.3 +2.5

Code Station Name Az Az' Phase ID Op ISC h m s ISC Res ANP Apacha 0.76 103 eP P 00 07 12.5 +0.2 GNC Ganaly 1.34 63 eP P 00 07 14.8 +0.5

CO05 La Serena 0.84 18 Pn 23 31 37.2 +0.4 CO05 La Serena 0.84 18 Pn 23 31 48.2 +0.3 CO05 La Serena 0.84 18 eP I S 23 31 37.2 +0.4

SKJ45 Karang Pucung 2.67 102 P P 23 51 09.7 +0.4 SKJ46 Waduk Cacaban 2.87 95 AML AML 23 51 19.4 +2.9 SKJ47 Gunung Srandil 2.99 108 P P 23 51 11.3 +2.5

Code Station Name Az Az' Phase ID Op ISC h m s ISC Res ANP Apacha 0.76 103 eP P 00 07 12.5 +0.2 GNC Ganaly 1.34 63 eP P 00 07 14.8 +0.5

CO04 Los Peladeros 1.41 160 Pn 23 32 02.4 +0.1 CO04 Los Peladeros 1.41 160 Pn 23 32 02.4 +0.1 CO04 Los Peladeros 1.41 160 IAML 23 32 02.4 +0.1

SKJ48 Karang Pucung 2.67 102 P P 23 51 09.7 +0.4 SKJ49 Waduk Cacaban 2.87 95 AML AML 23 51 19.4 +2.9 SKJ50 Gunung Srandil 2.99 108 P P 23 51 11.3 +2.5

Code Station Name Az Az' Phase ID Op ISC h m s ISC Res ANP Apacha 0.76 103 eP P 00 07 12.5 +0.2 GNC Ganaly 1.34 63 eP P 00 07 14.8 +0.5

CO01 Juntas del Tor 1.45 60 Pn 23 32 01.9 -1.4 CO01 Juntas del Tor 1.45 60 Pn 23 32 01.9 -1.4 CO01 Juntas del Tor 1.45 60 eP I S 23 32 03.9 +0.5

SKJ51 Karang Pucung 2.67 102 P P 23 51 09.7 +0.4 SKJ52 Waduk Cacaban 2.87 95 AML AML 23 51 19.4 +2.9 SKJ53 Gunung Srandil 2.99 108 P P 23 51 11.3 +2.5

Code Station Name Az Az' Phase ID Op ISC h m s ISC Res ANP Apacha 0.76 103 eP P 00 07 12.5 +0.2 GNC Ganaly 1.34 63 eP P 00 07 14.8 +0.5

AEIC 22 00:58.2, 1.7, 54.34N:0.04:159.78W, 0.08, h17km, 7km, Error ellipse: s-maj=6.7km s-min=6.3km az=210.0 NEIC 22 00:58.0, 1.1, 54.31N:0.06:159.71W, 0.05, h22km, 11km, mb3.6, ML3.2(AEIC), Error ellipse: s-maj=10.6km s-min=1.7km az=156.0, South of Alaska

Code Station Name Az Az' Phase ID Op ISC h m s ISC Res CNBA Chernabura Isl 0.52 8 Op Pn 00 13 08.7 +0.2 CNCR China Post 1.14 337 P P 00 13 17.9 -0.8 SDPT Sand Point 1.14 337 P P 00 13 32.0 -1.2 SDPT Sand Point 1.14 337 IAML 00 13 33.2

Code Station Name Az Az' Phase ID Op ISC h m s ISC Res PNTA Pavlov North-7 1.74 311 Pn 00 13 26.5 -0.5 PNTA Pavlov North-7 1.74 311 Pn 00 13 50.4 +0.3 VNKR Veniaminof 6 1.74 6 Pn 00 13 27.1 +0.1

Code Station Name Az Az' Phase ID Op ISC h m s ISC Res CNBN Chignik 2.13 20 Pn IAML Pn 00 13 31.9 -0.4 CHGN Chignik 2.13 20 Pn IAML 00 14 05.2 CHGN Chignik 2.13 20 IAML 00 14 07.9

Code Station Name Az Az' Phase ID Op ISC h m s ISC Res SSBA Shishaldin 2.61 282 Pn Pn 00 14 11.0 +0.9 SSBA Shishaldin 2.61 282 Pn Pn 00 14 10.6 +0.5 WTUG Tugamak 2.77 283 Pn Pn 00 13 40.8 -0.4

Code Station Name Az Az' Phase ID Op ISC h m s ISC Res WESN West Dahl Nort 2.86 277 Pn Pn 00 14 15.0 +1.0 UNV Unalaska Valle 4.03 266 Pn IAML Pn 00 13 59.1 +0.8 UNV Unalaska Valle 4.03 266 IAML 00 14 31.7

Code Station Name Az Az' Phase ID Op ISC h m s ISC Res ACHA Angle Creek He 4.62 30 Pn Pn 00 14 06.6 +0.1 OHAK Old Harbor 4.66 49 Pn Pn 00 14 06.4 -0.6 O15K Ungalikthiuk R 4.88 359 Pn IAML 00 15 43.1 O15K Ungalikthiuk R 4.88 359 IAML 00 15 43.1

Code Station Name Az Az' Phase ID Op ISC h m s ISC Res O18K Kookth Hills 6.08 22 Pn Pn 00 14 26.5 -0.1 M16K Timber Creek 6.75 3 Pn Pn 00 14 35.8 -0.1 CNPK China Post 6.99 3 Pn Pn 00 14 38.0 +0.5

Code Station Name Az Az' Phase ID Op ISC h m s ISC Res M17K Holtina River 7.22 9 Pn Pn 00 14 42.7 +0.6 BRLK Bradley Lake 7.29 38 Pn Pn 00 14 42.4 -0.7 PAX Paxson 11.39 35 Pn Pn 00 15 39.4 0.0

Code Station Name Az Az' Phase ID Op ISC h m s ISC Res GRNC Granite Creek 11.58 49 Pn Pn 00 15 40.6 -1.4 TABL Table Mountain 11.73 51 Pn Pn 00 15 44.0 -0.1 POC Pogonip 12.13 3 Pn Pn 00 15 48.5 +1.0 BCAR Beaver Creek A 12.76 39 Pn Pn 00 15 58.0 0.0

Code Station Name Az Az' Phase ID Op ISC h m s ISC Res O29M Mount Kennedy 12.87 54 Pn Pn 00 16 01.1 +1.4 J30M Hart River 15.61 40 Pn Iamb Iamb 00 16 37.4 +0.8 J30M Hart River 15.61 40 Iamb Iamb 00 16 56.0

Code Station Name Az Az' Phase ID Op ISC h m s ISC Res H29M Whitestone 15.84 33 Pn Pn 00 16 40.7 +1.3 I30M Mount Dempster 15.93 37 Pn Iamb Iamb 00 16 47.9 0.0 I30M Mount Dempster 15.93 37 Iamb Iamb 00 16 47.9

Code Station Name Az Az' Phase ID Op ISC h m s ISC Res C24K Franklin Bluff 16.26 14 Pn Iamb Iamb 00 16 46.0 +1.3 C24K Franklin Bluff 16.26 14 Iamb Iamb 00 16 51.2

Code Station Name Az Az' Phase ID Op ISC h m s ISC Res G29M Pine Creek 16.39 31 P P 00 16 49.0 -0.1 EPYK Eagle Plains 16.46 34 P P 00 16 49.5 -0.5 G30M West Ridge 16.96 37 Pn Pn 00 16 54.0 +0.4 G30M Tach Zraii Nji 16.99 32 Pn Pn 00 16 53.3 -0.5 G30M Tach Zraii Nji 16.99 32 Iamb Iamb 00 17 03.6

Code Station Name Az Az' Phase ID Op ISC h m s ISC Res F30M Barrier River 17.51 31 Pn Iamb Iamb 00 17 01.4 -0.1 F30M Barrier River 17.51 31 Iamb Iamb 00 17 10.3

IDC 22 00:48:44.2, 2.8, 39.51N:20.11E, h0km, mb3.6/4, mbmp3.6/6, ML3.7/1, MS3.2/1, Error ellipse: s-maj=55.3km s-min=16.9km az=65.0 THE 22 00:48:50.6, 39.38N:0.8:20.7E:0.8, h0km, 1km, M3.1/27, ML3.1/27 TIR 22 00:48:50.6, 39.79N:20.64E, h16km, 2km, M3.4/3 ATH 22 00:48:50.1, 39.82N:20.63E, h14km, 1km, ML3.3/3,5, Latitude uncertainty: 0 km; Longitude uncertainty: 1 km BEO 22 00:48:51.7, 0.4, 39.65N:20.51E, h31km, 6km, ML3.0/8, ISC 22 00:48:50.6, 0.8, 39.79N:0.01:20.64E, 0.02, h18km, 5km, n144, n1943/194, mb3.6/4, 2C-2D, Greece-Albania border region







22d 2h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like ILAR Eielson Array, DENT Dot Lake, J25K Salcha River, etc.

ISC 22 02:22:01.2, 53.26N, 35.46W, h0km, mb3/6.0, mblmp3.6/11, ML2.8/1, Error ellipse: s-maj=45.2km s-min=17.6km az=3.0

OTT 22 02:22:01.1, 0.6, 52.85N, 34.98W, h18km, ML5.2/5, Atlantic Ocean, 1359km northeast from Bonavista, NI

ISC 22 02:22:01.2, 0.7, 53.03N, 02:35:59W, 0.07, h10km, n18, -25.22/22, mb3.5/10, Reykjanes Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like SJNN Saint John's, DRLN Deer Lake, BJBO Baie Johan-Bee, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like PDAR Pinedale Array, ILAR Eielson Array, TXAR Lajitas Array, etc.

ISC 22 02:31:38.8, 0.5, 52.69N, 34.77W, h0km, mb4.1/26, mblmp4.1/28, ML3.7/2, MS3.9/59, Error ellipse: s-maj=17.9km s-min=10.8km az=163.0

NEIC 22 02:31:42.2, 1.4, 52.91N, 08:35.3W, 0.1, h10km, 1km, mb4.7/164, Error ellipse: s-maj=15.2km s-min=13.8km az=91.0

GCMT 22 02:31:43.2, 0.2, 52.76N, 0.101, 34.66W, 0.02, h22km, 1km, Mw5.0/129, Moment Tensor Solution, s40, 047, s129, c189, Duration: 0 Moment tensor: Scale 10^16Nm; Mn=0.34t, 14; Mw=0.70t, 12; Mww=1.03t, 11; Mw=0.30t, 17; Mw=3.25t, 08; Mw=0.96t, 17. Best double couple: Mw=3.49500x10^16 NP1: 0.277, 00000, 0.876, 00000; Mw=1.76, 00000, 0.00000, 0.886, 00000; Mw=1.4, 00000, 0.00000, 0.00000; Azm233.00000; N -0.5140, Plg75.00000, Azm24.00000; P -3.2400, Plg7.00000, Azm141.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

Triangular moment-rate function INMG 22 02:31:43.0, 0.7, 52.94N, 35.73W, h10km, M4.5, mb4.7, DIST. RANGE: DISTANT

OTT 22 02:31:43.7, 0.8, 52.81N, 34.98W, h18km, ML5.3/5, Atlantic Ocean, 1359km northeast from Bonavista, NI

GFZ 22 02:31:47.6, 0.6, 54.1N, 9.3W, h10km, M4.6/33, mb4.6/33

GFZ 22 02:31:48.3, 53.60N, 33.96W, h13km, Mw4.8/82, Moment Tensor Solution. Moment tensor: Scale 10^16Nm; Mn=0.11, Mw=0.42, Mww=3.1; Mw=0.05, Mw=1.84; Mw=0.04; Fault plane solution: Mo1.88131x10^16 NP1: 0.95, 60648, 0.88, 89643, 1, -178, 72688; NP2: 0.5, 58196, 0.88, 72711, 1, 1, 10384; Principal axes: T 1.8224, P1g0.1197; Azm230.5925, N 0.1127, Plg88.3152, Azm136.5196; P 1.9351, Plg1.6805; Azm330.5960

ISC 22 02:31:41.6, 0.4, 52.87N, 007.35, 40W, 0.04, h10km, n338, 2518/268, mb4.7/167, MS3.9/59, 11C-10D, Reykjanes Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like NWI Narsarsuaq, SJNN Saint John's, BORG Borgasnes, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like LMQ, PSARD Sardao, PCBR Castelo Branco, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like FINES, O53A, OJC, M50A, PABE, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like G29M, WMOK, E27K, BELG, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like AKTO, J20K, TXAR, TXAR, etc.





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Table with columns: Station, Name, Frequency, Power, Direction, and other parameters. Includes stations like MOS Moscow, MTN Manton Dam, etc.

Table with columns: Station, Name, Frequency, Power, Direction, and other parameters. Includes stations like MNK, VSU, MMAL, etc.

Table with columns: Station, Name, Frequency, Power, Direction, and other parameters. Includes stations like AS31 Alice Springs, ASAR, etc.





Table with columns: Station Name, Location, Time, Res, ISC, Phase ID. Includes stations like SJMB, ITTB, OTAV, etc.

ISC 22 03:20:24.7, 35.511N, 32.40E, h19km, ML3.1/17
NIIC 22 03:20:25.6, 35.65N, 32.44E, h42km, 4km, M12.4/7

ISC 22 03:20:29.0, 0.0, 35.150N, 0.002, 32.389E, 0.001, h0km, Mws3.2, confirmed

ISC 22 03:20:29.1, 2.35511N, 0.02, 32.44E, 0.04, h28km, 12km, n59, r158/89, 5C-1D, Cyprus region

Main table of station data for the 22d 3h period, including stations like ALFC, ALFC, ALFC, etc.

Table with columns: Station Name, Location, Time, Res, ISC, Phase ID. Includes stations like RGMN, YITV, AMAZ, etc.

IDC 22 03:30:34.3, 0.8, 5.74S, 153.12E, h0km, mb4.0/10, mbtmp4.0/11, ML2.1/1, Error ellipse: s-maj=18.8km

NEIC 22 03:30:36.1, 1.4, 5.69S, 0.06, 153.1E, 0.1, h10km, 1km, mb4.3/10, Error ellipse: s-maj=17.2km s-min=10.2km

ISC 22 03:30:39.6, 0.6, 5.71S, 0.06, 153.10E, 0.09, h37km, n30, c081/38, mb4.1/14, New Ireland region

Main table of station data for the 2020 OCT period, including stations like KRVT, KRVT, RABL, etc.

Table with columns: Station Name, Location, Time, Res, ISC, Phase ID. Includes stations like TA02, TA02, TA02, etc.

IDC 22 03:59:38.4, 2.14, 15.51N, 93.94W, h0km, mb4.0/2, mbtmp3.6/5, ML3.3/3, MS3.5/3, Error ellipse: s-maj=38.9km

MEX 22 03:59:41.1, 0.6, 14.45N, 93.82W, h10km, 10km, MD4.3, Presumed earthquake

NEIC 22 03:59:41.5, 1.7, 14.63N, 0.08, 93.79W, 0.07, h10km, 1km, mb4.0/37, MD4.3/62(MEX), Error ellipse: s-maj=14.9km

CATAC 22 03:59:42.3, 0.7, 14.1N, 5.9W, 4W, h1km, M4.5/11, mb5.0/2, mb4.9/1, MLV4.3/11, Mw(mb)4.2/1, Error ellipse: s-maj=10.8km s-min=8.0km az=21.3, Moment Tensor Solution: Moment tensor: Scale 10^14Nm; Mrr=5.24;

CGC 22 03:59:42.5, 2.1, 14.57N, 93.86W, h35km, 54km, MD4.6, Presumed earthquake

ISC 22 03:59:38.0, 3.2, 14.48N, 0.06, 93.84W, 0.03, h3km, 21km, n137, c282/195, mb4.1/8, MS3.4/3, Near coast of Chiapas

Main table of station data for the 1246 period, including stations like PCIG, THIG, THIG, etc.

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like WHO, SLOZ, NUBE, etc.

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like YKAW, ILAR, HFS, etc.

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MGD, TLAR, SEY, etc.

22d 5h

Table with columns: SDPT, IAML, Pn, S, Time, Res. Includes entries like SDPT comp=N,61nm,1.0s, PN7A comp=E,559nm,0.9s, PN7A Pavlov North-7, VNKR Veniaminof 1, S12K Black Hills, etc.

2020 OCT

Table with columns: F31M, P, Pn, Time, Res. Includes entries like F31M Tsightgctic 18.20 33 P, F31M Inuvik 18.77 31 P, F31M Inuvik 18.77 31 P, etc.

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Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res. Includes entries like I52GB DIEGO GARCIA I, I52GB Diego Garcia I, DGAR Diego Garcia, etc.



Table with columns: Code, Station Name, Az, Phase, Time, Res, I, h, m, s, ISC. Includes stations like BMRM, RND, ADK, etc.

body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function
IDD 22 06:14:24.6:0.2,5:70S,0.02,149.50E:0.0, h182km,4km, mb4.3/20,
mbmp4.9/25, MS3.4/12 Error ellipse: s-maj=10.9km
s-min=6.6km az=100.0

NEIC 22 06:14:24.6:1.8,5:56S:0.07:149.58E:0.05, h182km,7km,
mb4.7/90, Error ellipse: s-maj=10.0km s-min=7.5km
az=191.0

GFZ 22 06:14:24.5:0.5,6'S:4.14'9E+, h186km,6km, M5.0/23,
mb5.3/23

ISC 22 06:14:24.8:0.5,5:57S:0.04:149.44E:0.04, h185km,4km,
mb6km,p-P, h370, e1818/357, mb4.7/103, 1-32, New

Britain region

Table with columns: Code, Station Name, Az, Phase, Time, Res, I, h, m, s, ISC. Includes stations like KRVT, RABL, MANU, etc.

Table with columns: Code, Station Name, Az, Phase, Time, Res, I, h, m, s, ISC. Includes stations like ASAR, ONTC, AS09, etc.

comp=Z,1.0nm,0.8s,baz=44,slow=3.2,SNR=12

comp=Z,1.48nm,18.2s,baz=90,slow=39

comp=Z,2.39nm,0.5s

comp=Z,2.59nm,0.7s

comp=Z,2.69nm,0.7s

comp=Z,2.69nm,0.8s

comp=Z,2.69nm,0.8s

comp=Z,2.69nm,0.8s

comp=Z,2.69nm,0.8s

comp=Z,2.69nm,0.8s

comp=Z,2.69nm,0.8s

comp=Z,2.69nm,0.8s

comp=Z,2.69nm,0.8s

comp=Z,2.69nm,0.8s

comp=Z,2.69nm,0.8s

comp=Z,2.69nm,0.8s

comp=Z,2.69nm,0.8s

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comp=Z,2.69nm,0.8s

comp=Z,2.69nm,0.8s

comp=Z,2.69nm,0.8s

comp=Z,2.69nm,0.8s

comp=Z,2.69nm,0.8s

comp=Z,2.69nm,0.8s

GCMT 22 06:02:13.0:0.4,0.84S:0.03:13.80W:0.02, h29km,1km,
MW4.8/78, Moment Tensor Solution. s11,c11;
s78,092; Duration: 0 Moment tensor: Scale 10^16Nm;
Mm-0.86z; M00:1.32z;15; M00:0.45z;14; Mm0.06z;17;
Mm-1.86z;09; M00:0.25z;17; Best double couple:
lambda:0.98000x10^16 NP1:0.258.00000, 0.878.00000,
lambda:169.00000. NP2:0.166.00000, 0.880.00000,
lambda:12.00000. Principal axes: T 2.4940, P1g1.00000,
Azm212.00000; N -0.7880, P1g74.00000, Azm307.00000;
P -1.7010, P1g16.00000, Azm122.00000; nsta1 refers to
body waves, cutoff=40s. nsta2 refers to surface
waves, cutoff=50s. Surface-wave location Triangular
moment-rate function North of Ascension Island

DJA 22 06:14:23.6:0.4,6'S:3.14'9E+, h176km,6km, M4.9/28,
mb4.9/28, mb5.1/16, M0.55/17, Mw(mB)4.6/16,
Mw(mup5.3/1, Mw(m5.1/17)
BJJ 22 06:14:23.1:5.48S:149.34E, h170km, mb5.2/6, mb4.8/34
GCMT 22 06:14:24.6:0.2,5:70S,0.02,149.50E:0.0, h182km,2km,
MW5.0/107, Moment Tensor Solution. s31,c34;
s107,c154; Duration: 0 Moment tensor: Scale 10^16Nm;
Mm-1.32z;12; M00:2.65z;13; M00:3.97z;13; M01:1.08z;09;
Mm-1.66z;14; M02:2.42z;11; Best double couple:
lambda:6.63000x10^16 NP1:0.304.00000, 0.851.00000,
lambda:167.00000. NP2:0.206.00000, 0.880.00000,
lambda:40.00000. Principal axes: T 5.0810, P1g19.00000,
Azm261.00000; N -0.8360, P1g49.00000, Azm14.00000; P
-4.2450, P1g35.00000, Azm157.00000; nsta1 refers to

Table with columns: Code, Station Name, Az, Phase, Time, Res, I, h, m, s, ISC. Includes stations like ASAR, ONTC, AS09, etc.



Table with columns: Station Name, Time, Azimuth, Elevation, SNR, and other parameters. Includes stations like BLDU, HZ, NACB, NAWA, NWAQ, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, SNR, and other parameters. Includes stations like PETK, PETK, LZH, PPT, PPT2, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Time, Res, and other parameters. Includes stations like I29M, BVAR, DLBC, ELIB, etc.

SJA 22 06:15:11.8t:1.3,25:49S:71:24W, h17km, gML3.5, MW3.4
GUC 22 06:15:15.2t:0.4,25:56S:70:92W, h17km, gML3.8, Presumed earthquake
ISC 22 06:15:12.2t:1.7,25:50S:0:03t:71:19W:0:08, h16km, l13km, n34, e257/43, 6D, Off coast of northern Chile

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Time, Res, and other parameters. Includes stations like AC01, AC01, AC01, etc.

NEIC 22 06:15:23.8:1.5,4:20S:0:04:81:61W:0:08, h10km, l1km, mb4.24, Error ellipse: s-maj=14.7km, s-min=5.6km z=250
VAO 22 06:15:24.9t:1.2,4:18S:81:46W, h10km, mb4.5, Presumed earthquake
RSNC 22 06:15:26.1t:1.4,5:7:8:2W, h23km, M4.7, mb5.5, mb4.9, ML3.5, Mw(mb)4.9

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Time, Res, and other parameters. Includes stations like CUSE, CUSE, CUSE, etc.

22d 6h

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, h, s, ISC, Time, Res. Includes stations like Balboa, Cauca, BBAC, BBAO, NNA, PAYG, CZSB, etc.

AEIC 22 06:17:05.2±1.4, 54.23N, 0.04±159.78W, 0.9, h17km, 6km, Error ellipse: s-maj=8.4km s-min=5.3km az=118.0

NEIC 22 06:17:02.4±1.1, 54.16N, 0.08±159.71W, 0.9, h19km, 10km, mb3.5/4, ML3.4/20, ML3.3(AEIC), Error ellipse: s-maj=13.0km s-min=4.0km az=148.0, South of Alaska

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, h, s, ISC, Time, Res. Includes stations like CNBA, SDPT, PNTA, VNKR, etc.

2020 OCT

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, h, s, ISC, Time, Res. Includes stations like BRLL, SEW, SLKM, L18K, etc.

CATAC 22 06:17:23.3±1.3, 9°N, 16°W, h8km, 9km, M3.0/5, ML3.0/5, Error ellipse: s-maj=34.8km s-min=3.6km az=16.0, confirmed

UCR 22 06:17:25.1±0.9, 7.13N, 82.09W, h35km, 99km, MW3.5, Presumed earthquake

ISC 22 06:17:23.6±4.9, 7.2N, 0.4±82.08W, 0.08, h10km, m1.0, g1508.12, South of Panama

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, h, s, ISC, Time, Res. Includes stations like CDITO, ZANG, BCIP, etc.

IDC 22 06:21:20.9±0.7, 37.66N, 144.98E, h0km, mb4.1/15, mbmp4.1/19, ML3.9/4, MS3.1/8, Error ellipse: s-maj=14.1km s-min=13.5km az=160.0

NEIC 22 06:21:22.8±0.7, 37.85N, 0.07±144.68E, 0.09, h10km, 1km, mb4.0/13, Error ellipse: s-maj=13.6km s-min=9.7km az=51.0

NIED 22 06:21:24.0±1.3, 37.78N, 144.84E, h36km, M4.1, Moment Tensor Solution, s3, Moment tensor: Scale 10^15Nm; M1: -1.81; M2: 0.0; M3: 1.63; M4: 0.0; M5: 0.0; M6: 0.0; M7: 0.0; M8: 0.2; Fault plane solution: M1: 77.000°±10.15° N1P1±2.00000°, 338.00000°, -91.00000°. NP2: 184.00000°, 852.00000°, 1.89.00000°

JMA 22 06:21:24.0±0.1, 37.8N, 0.3±144.8E, 0.8, h36km, 1km, MW4.6/28, FAR E OFF NORTH HONSHU

ISC 22 06:21:26.3±0.6, 37.84N, 0.08±144.69E, 0.08, h35km, m6.6, g111/59, mb4.3/22, MS3.5/4, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, h, s, ISC, Time, Res. Includes stations like JTM, ERM, MJAR, etc.

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Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, h, s, ISC, Time, Res. Includes stations like ILAR, KURK, KURK, etc.

IDC 22 06:28:51.9±1.3, 11.04S, 119.26E, h0km, mb3.6/2, mbmp3.8/7, ML3.9/5, MS3.5/5, Error ellipse: s-maj=23.2km s-min=13.0km az=57.0

DJA 22 06:28:56.0±0.9, 11.1°S, 4°E, h18km, 8km, M4.3/15, mb4.6/3, mb4.6/6, MLV4.2/15, Mw(mB)/3.8/3

ISC 22 06:28:55.9±0.9, 11.14S, 0.06±119.56E, 0.06, h35km, n26, g103.6/10, MS3.6/4, South of Sumatra

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, h, s, ISC, Time, Res. Includes stations like BASI, WSI, WSI, etc.





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like M30M Minto, Yukon, FFC Fin Flon, G23K Bananza Creek, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PDAR comp=Z,0.5nm,0.6s, P017 Pinedale Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PBO1 comp=N,96nm,0.3s, PBO3 IPOC Station P, etc.

GUC 22 07:34:19.4, 0.7, 21.785:67.60W, h207km, 12km, ML3.3, Presumed earthquake
SCB 22 07:34:20.4, 1.6, 21.745:67.35W, h144km, 25km, MB5.0, ML3.3/3.9, Error ellipse: s-maj=8.3km s-min=6.4km az=0.0
ISC 22 07:34:18.4, 2.0, 21.785:67.35W, 0.06, h177km, 18km, n32, 1.9, 17.5, 1C-1D, Chile-Bolivia border region





Table with columns: Station, Frequency, Mode, Power, and other technical details. Includes stations like WAKE ISLAND, VADM Dome, Lidarod, etc.

Table with columns: Station, Frequency, Mode, Power, and other technical details. Includes stations like WMQ, MK31, MKAR, KURK, etc.

Table with columns: Station, Frequency, Mode, Power, and other technical details. Includes stations like ELS, RDM, P18A, etc.

SNET 22 07:55:10.0.0.8, 13.34N:88.19W, h262km, 6km, ML3.4, Presumed earthquake  
 IDC 22 07:55:14.1.1.3, 13.74N:88.05W, h231km, 10km, mb3.4/9, mbmp4.0/11, Error ellipse: s-maj=24.3km s-min=15.5km az=39.0

CATAC 22 07:55:14.8.0.1, 14.1N:87.8W, h232km, M4.0/5.4, mb4.7/3, mB5.2/2, MLV3.7/5.4, Mw(mB)4.5/2, Error ellipse: s-maj=8.2km s-min=2.1km az=28.4, confirmed  
 NEIC 22 07:55:15.2.1.1, 13.60N:0.088:11W:0.07, h236km, 5km, mb4.3/15, Error ellipse: s-maj=13.1km s-min=7.8km az=221.0

UCR 22 07:55:19.9.0.7, 13.17N:87.83W, h240km, 15km, MB4.3(NEIC), Presumed earthquake  
 ISC 22 07:55:14.3.0.5, 13.55N:0.058:17W:0.04, h239km, 4km, m260, c096/297, mb4.3/51, 1C, El Salvador

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h	m s
RANC	El Ranchito	0.16	226	P	07 55 45.0	-0.4
PACA	Pacayal	0.17	243	P	07 55 45.0	-0.4
PACA	Pacayal	0.17	243	iP	07 55 45.2	-0.2
JUCU	Jucuarjn	0.30	195	eP	07 55 44.9	-0.7
JUCU	Jucuarjn	0.30	195	eS	07 56 09.9	-0.3
TECO	Tecapa	0.33	261	eP	07 55 45.6	-0.3
LCND	La Caada	0.36	131	iP	07 55 45.6	-0.1
LCND	La Caada	0.36	131	iP	07 55 45.6	-0.1
INTP	Intipuca	0.36	162	eP	07 55 45.3	-0.3
INTP	Intipuca	0.36	162	eS	07 55 45.6	-1.7
POSS	Presa 15 de Se	0.39	282	P	07 55 45.4	-0.3
CNCH	Conchagua	0.42	129	S	07 55 45.3	-0.7
CNCH	Conchagua	0.42	129	S	07 56 11.2	+0.5
CNCH	Conchagua	0.42	129	iP	07 55 45.6	-0.3
ALJI	Alcaldia de J	0.45	241	P	07 55 45.3	-0.5
ALJI	Alcaldia de J	0.45	241	P	07 55 45.3	-0.5
ALJI	Alcaldia de J	0.45	241	eP	07 55 45.3	-0.3
TECO	Alcaldia de Te	0.59	269	eP	07 55 46.7	-0.7
TECO	Alcaldia de Te	0.59	269	eP	07 55 45.9	-0.4
TECO	Alcaldia de Te	0.59	269	eS	07 56 11.3	-0.1
PSNO	Presa 5 de nov	0.72	308	P	07 55 46.4	-0.4
PSNO	Presa 5 de nov	0.72	308	P	07 56 12.5	+0.2
CSGN	Cosiguina Volc	0.82	133	S	07 55 48.5	-0.7
POTN	Pototit Cosiguin	0.84	130	S	07 56 46.7	-0.7
POTN	Pototit Cosiguin	0.84	130	S	07 56 12.8	-0.4
LFRS	El Faro	0.87	275	iP	07 55 47.2	-0.4
LFU	La Fuente	0.94	283	eP	07 55 47.8	-0.1
LLGN	La Laguna	0.97	309	P	07 55 47.9	-0.1
LLGN	La Laguna	0.97	309	P	07 55 47.9	-0.1
LOMA	Loma Larga	0.98	276	P	07 55 47.7	-0.5
LOMA	Loma Larga	0.98	276	P	07 56 15.0	+0.2
LOMA	Loma Larga	0.98	276	P	07 55 47.8	-0.5
TGUH	Tegucigalpa,Un	1.01	60	P	07 55 48.8	+0.4
TGUH	Tegucigalpa,Un	1.01	60	P	07 56 14.8	-0.3
TGUH	Tegucigalpa,Un	1.01	60	Sn	07 56 14.6	-0.6
UTEC	Universidad Te	1.01	279	P	07 55 47.9	-0.5
SEMO	Seminario San	1.04	279	P	07 55 48.2	-0.3
UEES	Universidad Ev	1.05	279	P	07 55 48.1	-0.5
EQOS	Boqueron	1.10	280	eP	07 55 48.9	+0.4
LALI	Alcaldia de L	1.12	267	S	07 55 48.3	-0.3
PMON	Piamonte	1.12	279	P	07 55 48.5	-0.6
PMON	Piamonte	1.12	279	eP	07 55 48.5	-0.6
JAYA	Jayaque - finc	1.25	275	iP	07 55 49.1	-0.8
JAYA	Jayaque - finc	1.25	275	iP	07 56 17.6	-0.2
CRIN	San Cristobal	1.38	127	P	07 55 51.2	+0.4
CRIN	San Cristobal	1.38	127	P	07 56 19.2	-0.2
CRIN	San Cristobal	1.38	127	S	07 55 51.3	+0.5
CRIN	San Cristobal	1.38	127	Sn	07 56 19.1	-0.3
UNIC	Universidad Ca	1.41	288	eP	07 55 50.5	-0.5
SNJE	San Jose	1.43	283	eP	07 55 51.0	-0.5
CEVE	Cerro Verde	1.44	281	P	07 55 50.9	-0.5
CEVE	Cerro Verde	1.44	281	P	07 56 20.0	-0.5
CEVE	Cerro Verde	1.44	281	P	07 55 51.2	-0.3
SBSL	San Blas	1.44	282	eP	07 55 51.0	-0.4
PKGN	Cerro Pekin	1.45	127	P	07 55 51.8	+0.6
PKGN	Cerro Pekin	1.45	127	P	07 56 29.1	-1.7
RTR	El Retiro	1.46	284	eP	07 55 51.5	-0.1
ESQI	Esquipulas	1.52	312	P	07 55 52.4	+0.6
ESQI	Esquipulas	1.52	312	P	07 56 21.7	+0.3
ESQI	Esquipulas	1.52	312	P	07 55 52.8	+0.8
ESQI	Esquipulas	1.52	312	Sn	07 56 23.3	+0.4
RBDL	Robledal	1.58	291	iP	07 55 52.3	-0.1
NUBE	Las Nubes	1.60	283	P	07 55 51.6	-1.0
NUBE	Las Nubes	1.60	283	P	07 56 22.1	-0.5
NUBE	Las Nubes	1.60	283	eP	07 55 52.0	-0.6
TELN	Telica	1.60	125	P	07 55 52.0	-0.6
TELN	Telica	1.60	125	P	07 56 11.0	-1.0
LOAL	Lomas de Alarc	1.63	286	P	07 55 52.5	-0.2
SLOZ	Alcaldia de Sa	1.64	287	iP	07 55 52.5	-0.2
PLRN	Geotermica Pol	1.67	125	P	07 55 52.9	-0.1
PLRN	Geotermica Pol	1.67	125	P	07 56 24.8	+1.3
CNGN	Cerro Negro	1.77	126	P	07 55 53.3	-0.3
CNGN	Cerro Negro	1.77	126	P	07 55 54.2	-0.8
CNGA	AI SSO del Vol	1.77	126	P	07 55 53.7	-0.2
CNGA	AI SSO del Vol	1.77	126	P	07 56 26.4	+1.4
CNGA	AI SSO del Vol	1.77	126	P	07 55 53.3	-0.9
FAME	Alcaldia de Sa	1.82	280	P	07 55 53.9	-0.9
FAME	Alcaldia de Sa	1.82	280	P	07 56 24.2	-1.4
LEVN	Ruinas Leon Vi	1.89	127	P	07 56 26.8	0.0
LEVN	Ruinas Leon Vi	1.89	127	P	07 55 55.1	-0.1
RCFN	AI S de San Ju	1.90	90	P	07 55 55.1	-0.1
MOM3	MOM3	1.91	122	P	07 55 55.0	-0.3
RCVN	Varilla2	1.92	89	P	07 56 26.3	-1.2
RCVN	Varilla2	1.92	89	P	07 56 26.3	-1.2
MOHM	Momotombo	1.95	125	P	07 56 28.0	+0.2
MOHM	Momotombo	1.95	125	P	07 56 28.0	+0.2
RCPN	Sur Rio San Ju	2.02	90	P	07 55 55.9	-0.3
SAPS	Ciudad Sandino	2.20	128	P	07 55 58.1	+0.3
SAPS	Ciudad Sandino	2.20	128	P	07 56 32.0	0.0
APQY	Apoyeque	2.20	126	P	07 56 30.0	+0.2
IZABA	Izabal, Puerto	2.21	350	P	07 55 58.3	+0.4
APQZ	Apoyeque	2.24	126	P	07 55 59.3	+1.1
APQZ	Apoyeque	2.24	126	P	07 56 32.0	-0.8
APQZ	Apoyeque	2.24	126	P	07 55 59.9	+0.8
APQZ	Apoyeque	2.24	126	P	07 56 33.8	+1.0
APRN	BB Volcan Apoy	2.25	126	P	07 56 33.8	+1.0
ATCN	Matagalpa	2.27	105	P	07 55 58.7	+0.1
MATN	Banco Central	2.30	128	P	07 56 34.2	+0.4
TISN	Laguna Tiscapa	2.32	127	P	07 56 34.0	+1.4
MGAN	Managua	2.33	126	Ph	07 55 59.5	+0.4
MGAN	Managua	2.33	126	Ph	07 56 33.1	-1.3
WILN	Americas 2	2.37	125	P	07 56 34.9	+0.5
WILN	Americas 2	2.37	125	P	07 56 34.9	+0.5
MAS3	AI N del Volca	2.46	128	P	07 56 35.3	-1.5
MAS3	AI N del Volca	2.46	128	P	07 56 35.3	-1.5
NANN	Nandasamo	2.56	128	P	07 56 35.2	+1.1
NANN	Nandasamo	2.56	128	P	07 56 39.2	+0.6
APG	El Apazote	2.66	103	P	07 56 39.0	+0.4
APG	El Apazote	2.66	103	P	07 56 39.5	-1.2
BOAB	BOACO BROADBAE	2.71	114	P	07 56 03.0	+0.4
BOAB	BOACO BROADBAE	2.71	114	P	07 56 41.5	+0.9
BOAB	BOACO BROADBAE	2.71	114	P	07 56 03.5	+0.9
NADN	Granada	2.75	130	P	07 56 04.1	+0.7
MORN	AI O del Volca	3.16	129	P	07 56 08.8	+0.8
MORN	AI O del Volca	3.16	129	P	07 56 08.8	+0.8
SIUN	Universidad Ur	3.31	87	S	07 56 09.3	+0.3
LCRUZ	La Cruz	3.49	134	eP	07 56 12.5	+0.8
LCRUZ	La Cruz	3.49	134	eS	07 56 53.7	-3.3
CARN	Rivas	3.49	132	Ph	07 56 12.8	+1.1
CARN	Rivas	3.49	132	Ph	07 56 12.1	+0.4
RTAL	Retalhuelu	3.56	286	P	07 56 12.6	+0.1
RTAL	Retalhuelu	3.56	286	P	07 56 56.1	-1.9
HUEH	Huehuetenango	3.68	299	Ph	07 56 14.8	+0.7
PETF	Flores	3.73	334	Ph	07 56 15.3	+0.9
LAPC	La Perla	3.84	136	eP	07 56 16.7	+0.9
LAPC	La Perla	3.84	136	eP	07 57 01.2	-3.3
VRLE	La Escondida,	3.88	135	eS	07 56 17.9	+0.2
ALIBA	Liberia Airpor	3.90	139	eP	07 56 18.3	+1.9
GPSZ	Hotel Rincon d	3.91	135	eP	07 56 17.9	+1.2
CLARA	Aguas Claras	4.01	133	eP	07 56 18.8	+1.0
CLARA	Aguas Claras	4.01	133	eS	07 57 05.6	-2.6
MESS	Mesas	4.03	133	eP	07 56 19.1	+1.0
WJAR	Armenia, Volca	4.04	132	eP	07 56 19.0	+0.9
UPAL	Upala	4.06	130	P	07 56 18.9	+0.6
UPAL	Upala	4.06	130	P	07 57 07.6	-1.4
CUI	Cuipitapa	4.11	134	eP	07 56 20.4	+1.4

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h	m s
SACU	Santa Cruz	4.13	142	eP	07 56 20.4	+1.2
SACU	Santa Cruz	4.13	142	eS	07 57 07.5	-3.1
BAGA	Bagaces	4.13	136	eP	07 56 20.4	+1.2
TENO	El Achote	4.21	132	eP	07 56 21.4	+1.1
TIMP	Tierras Morena	4.26	133	eP	07 56 22.2	+1.3
GUER	Guaduran, Cot	4.32	139	eP	07 56 23.1	+1.0
TILA	Tilaran	4.38	134	P	07 56 23.2	+1.0
CMARA	Lajas Hojancha	4.42	142	P	07 56 23.5	+0.8
CMARA	Lajas Hojancha	4.42	142	eP	07 56 23.7	+1.0
TABAC	Tabacon	4.50	132	eP	07 56 25.3	+1.5
JTS	Las Juntas de	4.51	135	P	07 56 24.5	+0.6
JTS	Las Juntas de	4.51	135	P	07 57 14.6	-4.4
JTS	Las Juntas de	4.51	135	Pn	07 56 24.9	+1.0
JTS	Las Juntas de	4.51	135	Pn	07 56 24.9	+1.0
JTS	Las Juntas de	4.51	135	Pn	07 56 24.9	+1.0
JUNT	Juntas	4.52	136	eP	07 56 24.7	+0.8
JUNT	Juntas	4.52	136	eP	07 56 25.1	+1.0
NYURE	Nandayure	4.54	141	eP	07 56 26.0	+1.6
CEDE	Laguna Cededo	4.55	131	eP	07 56 26.0	+1.6
ARE1	Arenal 1	4.56	132	eP	07 56 26.0	+1.6
VAREZ	V. Arenal	4.56	132	eP	07 56 26.0	+1.6
CASO	Castillo	4.57	132	eP	07 56 25.8	+1.3
VACR	Volcan Arenal	4.58	131	eP	07 56 26.3	+1.6
FORC	Fortuna	4.59	131	eP	07 56 26.3	+1.5
CCIG	Comitan	4.70	306	Ph	07 56 26.4	+0.1
CUEU	Ciudad Quesada	4.86	131	eP	07 56 29.4	+1.2
PADE	Paradise	4.87	139	eP	07 56 25.7	+1.2
VPL2	V. Platanar	4.91	131	eP	07 56 30.3	+1.5
ZARE	Zarceiro	4.99	132	eP	07 56 31.5	+1.6
PRAL	San Ramn	4.99	133	eP	07 56 31.2	+1.4
SAD1	Palmares	5.04	133	eP	07 56 31.7	+1.2
TRB2	Turribares	5.13	134	P	07 56 33.1	+1.7
TRB2	Turribares	5.13	134	P	07 56 32.6	+1.1
ATEO	Atenas	5.13	133	eP	07 56 32.7	+1.2
TC51	Tacares	5.15	130	P	07 56 32.6	+0.9
VBV1	V. Barva	5.25	132	eP	07 56 35.4	+1.4
HDC	Heredia	5.31	131	P	07 56 34.0	



Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like EIDS, ARMA, AUNRC, MGCD, SYDH, etc.

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like STKA, INKA, MANU, QIS, AUMBR, etc.

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like MTN, WRKA, AUDHS, GUMO, SAUI, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like JSG Sagara, INU Inuyama, MJAR Matsushiro, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like SRIG Santa Rosalia, BNC Borrego Spring, DNR Dunn Ranch, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like MDJ Mudanjiang, MAW Mawson, MAW Mawson, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like EPH Ephrata, KMK Knik Glacier, PNR Palmer, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like BJ2, BJT Baijiutau, M26K Nabesna AK, ENH Enshi, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like ZEA, ZEA, GBMT Granite Butte, LKWKY Lake, etc.







Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for Chernabura Isl, Sand Point, Veniaminof, Fog Glacier, Chignik, Katmai, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for Chernabura Isl, Sand Point, Veniaminof, Fog Glacier, Chignik, Katmai, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for Shishaldin, Tugumak, West Dahl Nort, Akutan Harbor, Unalaska Valle, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for HEL 22 09:01:05.0±0.2,0.6,37N:25.08E, Vuosaari Helsi, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for HEL 22 09:01:09.0±0.5,0.1,67.71N:27.01E, RAJF Rajon-Jooseppi, VRF Varrio, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for Merjarvi, etc.

JSN 22 09:22:50.2±1.2, 18.23N:81.24W, h0km,90km, MD4.2, Presumed earthquake

SSNC 22 09:22:50.3±2.2, 18.92N:81.44W, h19km,16km, MD4.0, Presumed earthquake

ISC 22 09:22:49.0±3.5, 18.72N:0.09±81.3W,0.2,h14km,n20, c28/27,2C-SD,North of Honduras

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for Frank Sound, The Bluff, Cay, Malvern, Manicaragua, etc.

IDC 22 09:32:28.6±6.7, 19.88S:177.59W, h529km,4.3km, mb3.0/3, mbtmp3.9/4, Error ellipse: s-maj=135.2km

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for MSVF Nonsavu, STKA Stephens Creek, ASAR Alice Springs, etc.

ASRS 22 09:40:31.0±1.3, 53.77N:91.13E, h0km, M3.5(MOS), The earthquakes of Russia in 2020. Obninsk, GS RAS, 2022.

NNC 22 09:40:39.0±7.7, 53.69N:90.50E, h0km, mb4.2, mpv3.8, 10C-2D, Error ellipse: s-maj=27.5km, s-min=19.5km

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for ZAAO Zalesovo Array, KURK Kurchatov, etc.

IDC 22 09:54:57.2±0.5, 19.97N:45.84W, h0km, mb4.3/21, mbtmp4.3/22, MS3.9/55, Error ellipse: s-maj=15.8km

GCMT 22 09:54:59.7±0.3, 19.95N:0.05:45.71W:0.03, h14km,1km, MW4.8/100, Moment Tensor Solution, s19,c19, s100,c122

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for Gadeloupe/Mar, Morne La Croix, etc.

22d 10h

2020 OCT

1266

Table of astronomical observations for 22d 10h, listing station names, coordinates, and observation details.

Table of astronomical observations for 2020 OCT, listing station names, coordinates, and observation details.

Table of astronomical observations for 1266, listing station names, coordinates, and observation details.

IDC 22 09:56:35.31, 3.2725N, 72.75E, h0km, mb3.97, mbmp3.97, MS3.58, Error ellipse: s-maj=41.1km

ISC 22 09:56:36.91, 3.2725N, 72.728E, 0.03, h10km, n26, 152277, mb4.17, MS3.68, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC, providing detailed observation data.







AML03	47.3	IAML		10 43 47.3			
AML03	47.3	IAML		10 43 47.7			
PCBR	Castelo Branco	ePn	Pn	10 43 19.2 +0.3			
PCBR		eSg	Pg	10 43 22.4 +2.1			
PCBR		eSg	Pg	10 43 41.2 +2.7			
PCBR		IAML		10 43 41.3			
PCBR		IAML		10 43 46.3			
PCBR		IAML		10 43 50.5			
PMTG	Montargil	iPn	Pn	10 43 18.7 -0.3			
PMTG		eSg	Pg	10 43 40.2 +1.1			
PMTG		IAML		10 43 43.9			
PMTG		IAML		10 43 47.0			
PMTG		IAML		10 43 48.9			
INMG	Instituto de M	ePg	Pg	10 43 26.9 +5.1			
INMG		eSg	Sg	10 43 42.2 +1.0			
INMG		IAML		10 43 43.0			
INMG		IAML		10 43 51.4			
AML04	Campo de Tiro d	eSg	Sg	10 43 44.1 +2.3			
AML04		IAML		10 43 50.2			
AML04		IAML		10 43 51.8			
AML04		IAML		10 43 53.9			
PVRL	Vila Real	ePn	Pn	10 43 20.7 +0.1			
PVRL		ePg	Pg	10 43 23.2 +0.7			
PVRL		eSg	Pg	10 43 45.0 +2.7			
PVRL		IAML		10 43 45.8			
PVRL		IAML		10 43 47.3			
PVRL		IAML		10 43 48.5			
AML01	Serafina, Lisb	ePn	Pn	10 43 20.6 +0.1			
AML01		eSg	Sg	10 43 20.8 +0.8			
AML01		IAML		10 43 50.1			
AML01		IAML		10 43 51.0			
AML01		IAML		10 43 52.3			
LIS	Lisbon	ePg	Pg	10 43 24.4 +1.5			
LIS		eSg	Pg	10 43 45.5 +0.7			
LIS		IAML		10 43 45.8			
LIS		IAML		10 43 52.7			
LIS		IAML		10 43 52.8			
POLO	Lamas de Olo	ePn	Pn	10 43 20.7 -0.2			
POLO		ePg	Pg	10 43 23.6 +0.7			
POLO		eSg	Pg	10 43 43.8 -1.6			
POLO		IAML		10 43 49.0			
POLO		IAML		10 43 50.3			
POLO		IAML		10 43 51.4			
AML02	Lavradio	eSg	Sg	10 43 45.9 +1.1			
AML02		IAML		10 43 54.5			
AML02		IAML		10 43 55.8			
AML02		IAML		10 43 57.1			
PMRV	Marv??o	ePn	Pn	10 43 22.0 -0.1			
PMRV		ePg	Pg	10 43 27.1 +2.4			
PMRV		eSg	Pg	10 43 50.3 +4.2			
PMRV		IAML		10 43 51.4			
PMRV		IAML		10 43 53.4			
PCAB	Cabril	ePn	Pn	10 43 22.7 -0.3			
PCAB		ePg	Pb	10 43 25.5 +0.9			
PCAB		eSg	Sb	10 43 47.7 +1.6			
PCAB		IAML		10 43 52.8			
PCAB		IAML		10 43 55.5			
PARRA	Arraiolos	ePn	Pn	10 43 22.6 -0.5			
PARRA		ePg	Pg	10 43 27.3 +1.2			
PARRA		eSg	Pg	10 43 51.0 +2.6			
PARRA		IAML		10 43 54.7			
PARRA		IAML		10 43 57.3			
PSETU	Set?bal	eSg	Sg	10 43 51.0 +1.6			
PSETU		IAML		10 43 58.1			
PSETU		IAML		10 43 58.2			
ELOB	Lobios	ePn	Pn	10 43 24.3 -0.4			
ELOB		ePg	Pb	10 43 27.1 +0.4			
ELOB		eSg	Sb	10 43 46.1 -1.8			
ELOB		IAML		10 43 50.6 +0.9			
ELOB		IAML		10 43 51.8			
PGAV	Gaveira, Arco	ePn	Pn	10 43 18.4 -0.4			
PGAV		ePg	Pg	10 43 29.3 +0.8			
PGAV		eSg	Sb	10 43 46.6 -1.8			
PGAV		eSg	Sb	10 43 51.2 +1.0			
PGAV		IAML		10 43 51.7			
PGAV		IAML		10 43 59.5			
PGAV		IAML		10 44 00.1			
MOE	Montemor	ePn	Pn	10 43 24.5 -0.8			
MOE		ePg	Pg	10 43 30.0 +1.0			
MOE		eSg	Pg	10 43 54.6 +1.3			
MOE		IAML		10 43 57.2			
MOE		IAML		10 43 58.5			
MOE		IAML		10 44 02.4			
PESTR	Estremoz	ePn	Pn	10 43 25.0 -0.5			
PESTR		eSg	Pb	10 43 46.1 -3.3			
PESTR		P	Pg	10 43 30.2 +0.9			
PESTR		S	Pg	10 43 53.1 -0.7			
PESTR		ePg	Pg	10 43 30.1 -0.5			
PESTR		eSg	Pg	10 43 30.9 +1.5			
PESTR		IAML		10 43 56.8 +3.0			
PESTR		IAML		10 43 57.5			
PESTR		IAML		10 43 58.0			
PESTR		IAML		10 43 58.5			
PESTR		IAML		10 44 02.4			
EVO	Evora	ePn	Pn	10 43 26.1 -0.5			
EVO		eSg	Sb	10 43 48.4 -3.0			
EVO		ePn	Pg	10 43 26.1 -0.5			
EVO		ePg	Pg	10 43 32.1 +1.1			
EVO		eSg	Pg	10 43 56.1 -0.4			
EVO		IAML		10 43 58.9			
EVO		IAML		10 44 01.8			
EBAD	Badajoz	ePn	Pn	10 43 30.3 -0.6			
EBAD		ePn	Pg	10 43 30.4 -0.6			
EBAD		ePg	Pg	10 43 37.2 +0.3			
EBAD		eSg	Pg	10 43 57.6 +1.5			
EBAD		IAML		10 44 06.7 +0.2			
EBAD		IAML		10 44 15.6			
PLOUS	Minas do Lousa	ePn	Pn	10 43 31.1 -0.3			
PLOUS		eSg	Sb	10 43 57.9 -2.0			
PLOUS		eSg	Pg	10 44 07.1 -0.6			
PLOUS		IAML		10 44 09.3			
PLOUS		IAML		10 44 15.7			
PLOUS		IAML		10 44 15.8			
PSINE	Sines	eSg	Sg	10 44 08.8 +1.0			
PSINE		IAML		10 44 12.4			
PSINE		IAML		10 44 13.9			
EPLA	Plasencia	ePn	Pn	10 43 33.0 +0.1			
EPLA		eSg	Sb	10 44 00.2 -2.3			
EPLA		IAML		10 44 09.9 -1.1			
EPLA		IAML		10 44 15.7			
PBRG	Braganca	ePn	Pn	10 43 33.0 0.0			
PBRG		eSg	Sg	10 43 33.0 0.0			
PBRG		eSg	Sg	10 44 12.6 +1.4			
PBRG		IAML		10 44 16.5			
PBRG		IAML		10 44 16.9			
PBRG		IAML		10 44 17.5			
PBEJ	Beja	ePn	Pn	10 43 33.0 0.0			
PBEJ		eSg	Sg	10 44 02.5 -1.4			
PBEJ		eSg	Sg	10 44 15.4 +2.7			
PBEJ		IAML		10 44 18.5			
PBEJ		IAML		10 44 20.1			
PBEJ		IAML		10 44 24.2			
ECAL	Calabor	ePn	Pn	10 44 09.3 -0.2			
ECAL		eSg	Pb	10 44 02.4 -2.6			
ECAL		ePn	Pb	10 43 34.0 -0.2			
ECAL		ePg	Pb	10 43 40.2 +1.7			
ECAL		eSg	Pg	10 44 04.0 -1.0			
ECAL		eSg	Pg	10 44 14.9 +0.9			
ECAL		IAML		10 44 18.3			
MESJ	Messejana	ePn	Pn	10 43 33.9 -0.6			
MESJ		eSg	Pg	10 44 03.2 -2.5			
MESJ		IAML		10 44 18.3			
MESJ		IAML		10 43 34.0 -0.5			
MESJ		eSg	Sg	10 44 03.4 -2.3			
MESJ		eSg	Sg	10 44 15.1 +0.1			
MESJ		IAML		10 44 16.3			
MESJ		IAML		10 44 19.0			
MESJ		IAML		10 44 21.1			
EJUZ	Juzbado, Salam	ePn	Pn	10 43 35.9 -0.3			
EJUZ		ePn	Pb	10 43 43.0 +1.9			
EJUZ		eSg	Pg	10 44 06.2 -2.5			
EJUZ		eSg	Pg	10 44 17.6 -1.3			
EAGO	Agolada(Pontev	ePn	Pn	10 43 35.5 -0.8			
EAGO		ePn	Pg	10 43 42.6 +1.5			
EAGO		eSg	Sb	10 44 04.2 -4.5			

EAGO		Sg	Sb	10 44 15.2 +1.2			
EAGO		IAML		10 44 20.2			
EMAZ	Mazaricos	ePn	Pn	10 43 35.2 -1.2			
EMAZ		ePn	Pb	10 43 43.2 +1.9			
EMAZ		eSg	Sb	10 44 03.6 -5.4			
EMAZ		eSg	Sb	10 44 25.8 +2.3			
EMAZ		IAML		10 44 20.5			
PBAR	Barrancos	ePn	Pn	10 43 36.1 -0.4			
PBAR	Barrancos	ePn	Pg	10 43 36.1 -0.4			
PBAR		ePn	Pg	10 43 40.1 +1.4			
PBAR		eSg	Pg	10 44 09.3 +0.1			
PBAR		eSg	Sg	10 44 25.2 +3.5			
PBAR		IAML		10 44 26.6			
PBAR		IAML		10 44 26.8			
PTEO	Sao Teotonio	ePn	Pn	10 43 37.0 -0.2			
PTEO		eSg	Sb	10 44 07.5 -3.0			
PTEO		IAML		10 43 35.0			
PTEO		IAML		10 44 34.0			
PTEO		IAML		10 44 37.2			
PCVE	Castro Verde	ePn	Pn	10 43 37.3 -0.6			
PCVE	Castro Verde	ePn	Pg	10 43 37.2 -0.6			
PCVE		ePn	Pg	10 43 45.3 -1.3			
PCVE		eSg	Sg	10 44 08.9 -2.7			
PCVE		eSg	Sg	10 44 23.2 +0.5			
PCVE		IAML		10 44 28.3			
PCVE		IAML		10 44 29.1			
PCVE		IAML		10 44 30.1			
CIBOR	Castaar de Ib	ePn	Pn	10 44 10.0 +0.3			
CIBOR		eSg	Pb	10 44 13.9 -2.7			
CIBOR		eSg	Pg	10 44 27.9 -1.3			
MORF	Marmeleite	ePn	Pn	10 43 39.8 -0.9			
MORF		eSg	Sb	10 44 13.3 -3.3			
MORF		IAML		10 44 30.1			
MORF		ePn	Pn	10 43 40.2 -0.5			
MORF		ePn	Pg	10 44 13.9 -2.7			
MORF		IAML		10 44 31.3			
MORF		IAML		10 44 37.4			
MORF		IAML		10 44 41.6			
EGRO	Ei Granado	ePn	Pn	10 43 41.3 -0.1			
EGRO		eSg	Sb	10 44 14.4 -3.6			
EGRO		eSg	Pb	10 43 41.2 -0.1			
EGRO		ePn	Pb	10 43 49.7 +2.2			
EGRO		eSg	Pg	10 44 30.2 -2.8			
EGRO		eSg	Pg	10 44 31.3 +0.2			
EGRO		IAML		10 44 38.1			
PVAQ	Vaqueiros	ePn	Pn	10 43 42.0 -0.1			
PVAQ		ePn	Pg	10 44 08.8 -1.0			
PVAQ		ePn	Pg	10 43 41.9 -0.1			
PVAQ		eSg	Sg	10 44 32.4 -0.2			
PVAQ		IAML		10 44 33.8			
PVAQ		IAML		10 44 36.7			
PVAQ		IAML		10 44 37.6			
PVFI	Vila Bisbo	ePn	Pn	10 44 15.2 -0.3			
PVFI		eSg	Sb	10 43 42.4 -0.3			
PVFI		eSg	Sb	10 44 07.6 -1.3			
PVFI		ePn	Pn	10 43 42.4 -0.3			

22d 11h

Table with columns: GBN, Name, Az, El, AzEl, P, S, N, E, M, T, R, L, AzEl, P, S, N, E, M, T, R, L. Includes stations like Guysborough, Schefferville, Edmundbyers, etc.

2020 OCT

Table with columns: NIE, Name, Az, El, AzEl, P, S, N, E, M, T, R, L, AzEl, P, S, N, E, M, T, R, L. Includes stations like Niedzica, Mrgy, Hungary, Kest, etc.

1270

Table with columns: X16A, Name, Az, El, AzEl, P, S, N, E, M, T, R, L, AzEl, P, S, N, E, M, T, R, L. Includes stations like Lo Mia Camp, Mina Array, etc.

IDC 22-11:06:06.5:1.6, 14:729S, 167:69E, h0km, mb3.76, mbmp3.76, MS3.21, Error ellipse: s-maj=46.7km, s-min=33.0km az=149.0
NOU 22-11:06:26.1, 15:02S;167:34E, h116km, MLV4.5/18, Vanuatu Islands
ISC 22-11:06:23.4:1.3, 14:9S;0:1x167.6E:0.1, h129km, n15, r175/14, mb3.6/6, Vanuatu Islands

IDC 22 11:08:45.6:1.8,2.60S:121.56E,h0km,mb3.4/3, mbmp3.6/5,ML3.6/2,MS3.2/3,Error ellipse: s-maj=25.9km s-min=23.8km az=87.0

DJA 22 11:08:46.0:0.2,2.2S:121.1Ea,,h10km,M4.5/27,mb5.2/3, mB5.8/2,MLV4.2/27,Mw(mB)5.3/2

ISC 22 11:08:47.8:0.9,2.50S:105.121.48E:0.06,h22km,n21, o#592/19,mb3.4/3,Sulawesi

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like APSI Ampana, KKSII Kolaka, Tana Toraja, etc.

NEIC 22 11:40:01.0:1.9,54.38N:0.02:159.70W:0.08,h10km,1km, ML3.5/24,ML3.5(AEIC),Error ellipse: s-maj=7.8km

IDC 22 11:40:03.1:2.3,55.11N:160.08W,h0km,mb3.7/6, mbmp3.7/10,ML3.6/4,Error ellipse: s-maj=52.4km

AEIC 22 11:40:03.9:1.8,54.44N:0.04:159.80W:0.08,h10km,5km, Error ellipse: s-maj=8.6km s-min=2.9km az=132.0

ISC 22 11:39:59.5:2.2,54.35N:0.07:159.66W:0.05,h6km,12km, n85,+c15/94,mb3.8/6,South of Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like CNBA Chernabura Isl, VNKR Veniaminof 5, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like M16K Timber Creek, CNPM China Point, M17K Holitna River, etc.

IDC 22 12:00:45.7:0.6,52.54N:34.79W,h0km,mb3.9/19, mbmp4.0/22,ML3.9/3,MS3.9/2,Error ellipse: s-maj=19.5km s-min=12.2km az=166.0

GFZ 22 12:00:47.8:0.2,53.1N:4.3W,h10km,M4.5/42, mb5.4/42,Error ellipse: s-maj=8.7km s-min=4.3km az=8.2, confirmed

NEIC 22 12:00:48.5:2.1,52.69N:0.08:35.1W:0.1,h10km,1km, mb4.7/148,Error ellipse: s-maj=14.8km s-min=13.1km

GCMT 22 12:00:49.5:0.2,52.78N:0.01:34.69W:0.02,h20km,1km, MW4.9/12,Moment Tensor Solution, s=38.448; s112:c168; Duration: 0 Moment tensor: Scale 10^16Nm; Mn=0.27z;11; Mw=0.69z;10; Mzz=0.95z;09; Mo=0.11z;17; Mxy=2.68z;07; Mxz=0.77z;18; Best double couple: M2.90100x10^16 Np1z=278.00000; s76.00000; lambda178.00000; NP2z=9.00000; s88.00000; lambda14.00000; Principal axes: T 3.0780, P1612.0000; Azm234.0000; N -0.3530, Plg75.0000; Azm16.0000; P -2.7240, Plg9.0000; Azm142.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

OTT 22 12:00:50.1:0.8,52.78N:34.88W,h18km,ML5.4/5, Atlantic Ocean, 1364km northeast from Bonavista, NJ

INMG 22 12:00:51.0:0.7,4.62N:63.22W,h10km,M4.2,mb4.6, Ms3.7,HDIST\_RANGE: DISTANT

ISC 22 12:00:48.9:0.4,52.78N:0.08:35.23W:0.04,h13km,n287, o#172/174,mb4.6/140,MS3.9/74,1C,Reykjanes Ridge

Code Station Name Az Phase ID Time Res ISC. Lists stations like NRS Narsarsuaq, IVI Ivgut, etc.

SJNN Saint John's, ANGS Ammassalik, NUUK Nuuk, DRLN Deer Lake, etc.

SFJD Kangerlussuaq, SFJD Kangerlussuaq, SFJD Kangerlussuaq, etc.

CHEG Chetcamp, GBN Guysborough, GBN Guysborough, etc.

SCHO Schefferville, SCHO Schefferville, SCHO Schefferville, etc.

SCHO Schefferville, SCHO Schefferville, SCHO Schefferville, etc.

SCHO Schefferville, SCHO Schefferville, SCHO Schefferville, etc.

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SCHO Schefferville, SCHO Schefferville, SCHO Schefferville, etc.

SCHO Schefferville, SCHO Schefferville, SCHO Schefferville, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like SUMG Summit, LBWR Ladybower, FRB Froberg, etc.

22d 12h

Table with columns for station name, frequency, power, mode, and coordinates. Includes stations like OJC, LANS, NANS, MORH, etc.

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Table with columns for station name, frequency, power, mode, and coordinates. Includes stations like ARTI, KBZ, K27K, CSS, HWUT, etc.

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Table with columns for station name, frequency, power, mode, and coordinates. Includes stations like AAK, MKAR, MKAR, etc.

ADC 22-07:19.8-1.3, 52:76N-34:69W, h0km, mb3.7/11, mbmp3.8/12, ML4.7/1, MS3.1/1, Error ellipse: s-maj=39.3km s-min=19.4km az=178.0

OTT 22-07:24.0-0.6, 52:80N-34.98W, h18km, ML5.1/4, Atlantic Ocean, 135km northeast from Bonavista, NI

ISC 22-07:21.4-0.8, 52:7N-0.2, 34:78W-0.09, h14km, n20, -088/19, mb3.8/1.1, Reykjanes Ridge

Table with columns for Code, Station Name, Az, X, Y, Phase ID, Time, Res. Includes stations like SJNN, DRLN, SFJD, etc.

0.6mm,0.7s,baz=314,slow=6.6,SNR=4.8
WRA Warrungga Arr 146.25 19 PKPbc PKPbc 12 27 00.9 -0.5
ASAR Alice Springs 149.78 21 PKPbc PKPbc 12 27 09.7 -1.0

ISK 22 12:14:35.1,38'46N,25'43E,h8km,ML3.7/46
THE 22 12:14:36.4,38'N,1'25.5E,h15km,2km,M3.3/25,
MLh3.3/25
ATH 22 12:14:36.4,38'45N,25'49E,h21km,1km,ML3.4/46,
Latitude uncertainty: 0 km, Longitude uncertainty: 0 km
AFAD 22 12:14:39.4,38'61N,25'82E,h7km,3km,MW3.6
ISC 22 12:14:36.2,1.0,38.45N,0.02,25.46E,0.02,h16km,gkm,
n160,e071/194,1C,Aegean Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists various stations like CHOS Chios island, MARMARO Marmaro, KARYSTOS Karystos, etc.

Table with columns: COMU, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists various stations like META Agioi Theodoros, MET5 Makryloggos, MET6 Megalochori, etc.

Table with columns: TETR, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like GRIVA Griva, SEV Sevastopol, SUDU Sudak, etc.

NNC 22 12:17:50.2,1.1,43'04N,78'19E,h0km,mpv2.7,Error
ellipse: s-maj=10.1km s-min=4.9km az=5.0
KRNET 22 12:17:51.0,1.1,43'02N,78'23E,h27km,mb2.3
SOME 22 12:17:51.2,43'03N,78'18E,h20km
ISC 22 12:17:51.2,1.0,43.04N,0.03,78.21E,0.02,h19km,2km,
n23,e068/45,13C-3D,Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists various stations like SATY Saty, KURS Kuram, ANVS Anan'yev, etc.

NOU 22 12:32:25.9,16'91S,167'24E,h28km,MLV4.1/16,
Vanuatu Islands,Vanuatu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like RTV Rentapao, SANVU Saraoutou, etc.

IDC 22 12:32:54.1,2.0,04N,130'11E,h0km,mb3.3/4,
az=51.0,Irian Jaya region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like SIJI Sorong, WRA Warrungga Arr, ASAR Alice Springs, etc.

NEIC 22 12:40:53.4,1.5,54'23N,0'08,159'7W,0.1,h20km,15km,
mb3.7/4,ML3.7/20,ML3.4(AEIC),Error ellipse:
s-maj=12.4km s-min=7.3km az=152.0
AEIC 22 12:40:55.4,1.3,54'22N,0'07,159'7W,0.1,h33km,9km,
Error ellipse: s-maj=11.3km s-min=8.1km az=147.0
IDC 22 12:40:56.8,1.1,55'29N,160'31W,h0km,mb3.7/7,
mbtmp3.7/11,ML3.7/4,MS3.1/1,Error ellipse:
s-maj=26.0km s-min=17.1km az=170.0
ISC 22 12:40:54.4,0.8,54'22N,0'08,159'51W,0'05,h35km,n93,
e194/93,mb3.6/7,South of Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists various stations like CNBA Chernabura Isl, CHNA Chernabura Isl, SDPT Sand Point, etc.

22d 13h

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like Black Hills, Chignik, Tugumak, West Dahl North, Akutan, Unalaska Valle, Makushin Natee, etc.

2020 OCT

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Ismayilli, Khinaliq, Quba, Kurdemir, Qusar, etc.

1274

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like Botlikh, Lenkeran, Dubki, Lerik, Dylim, Astara, etc.

IDD 22 12:52:55.4, 41.130N, 47.92E, h6km, MPVA4.4
ISC 22 12:52:57.1, 0.7, 40.930N, 0.01, 48.06E, 0.02, h15km, 5km,
n145, e183/234, mb3.97, MS3.0/3, 4C-3D, Eastern

Presumed earthquake
DRS 22 12:52:58.0, 40.97N, 47.80E, h18km

NOU 22 13:18:19.6, 10:03S, 160:49E, h0km, MLV4.1/14,
Solomon Islands, Bougainville-Solomon Islands region



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include HNR Honiara, SAVO Savo Central, HURO Huro Makira, etc.

ASRS 22 13:38:46.6:0.2,52°N,2°10'00"E, h4km, MLh5,3/8, Error ellipse: s-maj=3.9km s-min=2.1km az=20.9, confirmed MOS 22 13:38:50.8:1.1,52°15'N,99°65'E, h5km, mb4,4/6, Error ellipse: s-maj=7.4km s-min=6.4km az=142.5

Main table for 1275, listing stations like ORL Orlik, MOY Mondy, ARS Arshan, KNGR Kungurtug, TDJR Todzha, TLY Talaya, IRK Irkutsk, ZAK Zakamensk, IVK Ivanovka, KZLR Kyzyl.

Main table for 2020 OCT, listing stations like KZLR Kyzyl, BGT Bolshoye Golou, ARDR Aradan, VBR Suhoy Ruchey, KAB Kabansk, KUR Kurchatov, ULN Ulaanbaatar.

Main table for 22d 13h, listing stations like ULN Ulaanbaatar, SVYR Suvo, NIZB Nizh Angarsk, YALR Yailuy, ULGR Ulagan, KALT3 Kaitan, BRCH Berchikui, KALIT2 Kalitan, ARTR Artybash, AKAR Aktash, KMO Kumora, KZLR Kurchatov, KURB Kurchatov Arra.

22d 14h

Table with columns: Call sign, Frequency, Mode, Power, and other technical details for various radio stations.

2020 OCT

Main table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, and other technical details for radio stations.

1276

Table with columns: Call sign, Frequency, Mode, Power, and other technical details for various radio stations.

KRSC 22 14:33:32.4+2.0, 49.86N x 156.84E, h799km, 28km, M14.2

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, and other technical details for stations in the KRSC region.







Table with columns: O14K, comp=N,34nm,0.7s, IAML, 17 10 06.6, N15K, Kwehluh River, 5.50 358 Pn Pn, 17 08 51.7 -0.9, M13K, Dal Lake, 6.06 343 Pn Pn, 17 08 59.8 -0.6, M16K, Kilauea Creek, 6.35 17 Pn Pn, 17 09 04.5 +0.2, M16K, Timber Creek, 6.37 3 Pn Pn, 17 09 04.0 +1.1, L19K, White Mountain, 7.93 17 Pn Pn, 17 09 25.8 -0.3

IDC 22 17:12:36.9-0.8,31.88N;104.34E, h0km, mb3.6/10, mbtmp3.6/13, ML3.9/3, MS3.6/3, Error ellipse: s-maj=27.5km s-min=13.1km az=75.0 NEIC 22 17:12:38.9-1.6,31.95N;104.104E,0.1, h10km,1km, mb4.1/12, Error ellipse: s-maj=21.9km s-min=6.8km az=45.0

ISC 22 17:12:39.1-0.7,31.88N;104.34E,0.10, h15km, n31, 0.959/29, mb3.8/13, MS3.5/3, Sichuan

Main table for 22d 17h section, listing stations like Lanzhou Array, Songino Array, Wujun Array, etc. with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC h m s ISC

SJA 22 17:19:06.5-0.9,27.92S;71.46W, h18km,3km, ML3.7, MW3.8

GUC 22 17:19:09.9-0.7,27.97S;71.27W, h28km,2km, ML3.7, Presumed earthquake

ISC 22 17:19:06.5-1.4,27.92S;0.02;71.36W;0.04, h3km,11km, n30, 0.190/56, 3C-1D, Near coast of northern Chile

Main table for 22d 17h section, listing stations like Llanos de Chal, Copiapo, Maricunga, etc. with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC h m s ISC

Table for 2020 OCT section, listing stations like Fray Jorge, Vinchina, El Pedregal, etc. with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC h m s ISC

IDC 22 17:25:08.3-0.8,54.61S;56.48W, h0km, mb3.8/6, mbtmp3.8/7, ML4.4/1, MS3.7/21, Error ellipse: s-maj=43.8km s-min=18.7km az=85.0

GFZ 22 17:25:10.9-0.2,55.54S;57.7W, h10km, M4.1/21, mb4.4/21, Error ellipse: s-maj=11.9km s-min=4.9km az=57.4, confirmed

NEIC 22 17:25:10.9-0.2,55.54S;57.7W,0.2, h10km,1km, mb4.6/22, Error ellipse: s-maj=20.9km s-min=12.3km az=88.0

ISC 22 17:25:10.5-0.6,54.57S;0.07;57.00W;0.09, h10km, n92, 0.133/69, mb4.5/22, MS3.9/19, 2C, Falkland Islands region

Main table for 2020 OCT section, listing stations like East Falkland, Despedida, Cerro Sombrero, etc. with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC h m s ISC

Main table for 1280 section, listing stations like La Paz, Brasilia, Vanda, etc. with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC h m s ISC

DJA 22 17:32:02.0-2.0,4.9S;3.12E, h10km, M3.4/7, MLv3.4/7

IDC 22 17:32:05.9-1.8,9.33S;124.50E, h0km, mb3.2/1, mbtmp3.9/4, ML4.1/3, Error ellipse: s-maj=19.5km s-min=18.3km az=45.0

ISC 22 17:32:18.5-1.7,8.87S;0.10;124.5E;0.1, h10km, n11, 0.237/12, Timor region

Main table for 1280 section, listing stations like Soe, Baumata, Ende, Flores, etc. with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC h m s ISC



Table with columns: PAU, comp=N, 1,um,0.4s, Pn, Pn, 17 40 34.1 +1.2, etc. Includes stations like Pauzhetka, Khodutka, Kamc, Malaya Ipel'ka, Asacha, Russkaya, Mutnovka, Karymshinskiy, etc.

Table with columns: KLR, AML, AML, 17 15 281, 17 15 281, 20 53 320, etc. Includes stations like Kul'dur, Yakutsk, Kazan, etc.

Table with columns: WRA, ASAR, Alice Springs, 59.02 147, 62.06 149, 64.10 147, etc. Includes stations like Warramunga Arr, Alice Springs, NORSAR Array B, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like OHAK Old Harbor, O15K Ungalikthik, KAWH Katmai, O14K Tiguykaiwet, KDAK Kodiak Island, etc.

IDC 22 18:24:30.0, 9.3, 171.79N, 104.16E, h0km, mb3.76, mbmp3.5/9, ML3.9/3, MS3.4/1, Error ellipse: s-maj=37.7km s-min=13.4km az=78.0

NEIC 22 18:24:31.0, 1.9, 31.83N, 104.04E, 0.1, h10km, 1km, mb4.5/15, Error ellipse: s-maj=15.2km s-min=5.3km az=281.0

ISC 22 18:24:31.6, 0.7, 31.85N, 104.07E, 104.53E, 0.1, h15km, n30, a1506/29, mb4.1/14, Sichuan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LZDM Lanzhou Array, ENH Enshi, CMAR Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRAB Tennant Creek, WRA Warramunga Arr, WRA TIRR, etc.

IDC 22 18:36:43.7, 1.5, 47.58S, 99.84E, h0km, mb3.8/6, mbmp3.8/6, MS3.5/15, Error ellipse: s-maj=44.8km s-min=21.8km az=108.0

ISC 22 18:36:45.1, 1.1, 47.65S, 99.8E, 0.2, h11km, n24, a1521/9, mb3.77, MS3.5/15, 1C, Southeast Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H01W2 Cape Leeuwin H, H01W3 Cape Leeuwin H, H01W1 Cape Leeuwin H, etc.

KRNET 22 18:51:10.7, 0.1, 39.01N, 71.22E, h21km, mb2.8, NNC 22 18:51:15.8, 4.0, 39.34N, 72.12E, h0km, mb3.7, mpv3.3, Error ellipse: s-maj=30.6km s-min=22.1km az=20.0

ISC 22 18:51:11.0, 0.2, 39.00N, 0.1, 71.27E, 0.07, h10km, n11, a1597/17, 9C-7D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DRK Karamyk, BATK Batken, OHH Osh, etc.

IDC 22 18:56:19.8, 3.8, 39.44N, 140.59E, h140km, 29km, mb3.2/6, mbmp3.6/8, Error ellipse: s-maj=45.8km s-min=16.1km az=75.0

NIED 22 18:56:23.0, 39.36N, 140.32E, h156km, MW3.7, Moment Tensor Solution, s2 Moment tensor: Scale 10^14Nm, Mn-3.11; Mw-0.74; Mx-3.86; My-0.90; Mz-1.67; Mxy-0.32; Fault plane solution: M3.3, 990000\*10^14 NP1: a159, 139.00000, a50.00000, a-122.00000, NP2: a3.00000, a50.00000, a-58.00000

JMA 22 18:56:23.0, 0.1, 39.44N, 140.32E, 0.7, h156km, 1km, MW3.6/34, SOUTHERN AKITA PRF, ISC 22 18:56:22.0, 0.6, 39.38N, 140.27E, 0.08, h150km, n26, a1569/27, mb3.5/6, Eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JYW Yuwa, JRG Rokuyo, JJK Kaneyama, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JOM Ohasama, JAH Hinai, JMK Ichinoseki, etc.

IDC 22 19:19:44.0, 0.5, 62.16S, 57.75W, h0km, mb4.4/14, mbmp4.4/15, ML3.8/1, MS4.1/34, Error ellipse: s-maj=17.3km s-min=12.1km az=82.0

NEIC 22 19:19:46.1, 2.4, 62.32S, 57.03E, 0.09, h10km, 1km, mb5.1/5, Mw4.9/14, Error ellipse: s-maj=7.2km s-min=5.2km az=286.0

GFZ 22 19:19:47.7, 0.2, 62.3S, 57.4W, h10km, M5.0/23, mb5.1/23

GCMT 22 19:19:49.0, 0.2, 62.22S, 57.15W, 0.04, h14km, 1km, MW5.0/109, Moment Tensor Solution, s37, c46; s109, c150; Duration: 0 Moment tensor: Scale 10^16Nm; Mn-1.35t; Mw-0.74; Mx-2.76; My-1.3; Mz-0.41; M-0.38t; Mz-2.66t; Mxy-0.08t; Mxz-0.3t; Best double couple: M30.39700\*10^16 NP1: a199.00000, a84.00000, a-180.00000, NP2: a109.00000, a90.00000, a-60.00000; Principal axes: T: 4.0810, Plg4.0000; Azm154.0000; N: 1.3690, Plg64.0000; Azm288.0000; P: 2.7120, Plg4.0000; Azm24.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 22 19:19:45.8, 0.3, 62.31S, 57.04E, 104.59E, 0.05, h10km, n206, a1537/172, mb5.0/51, MS4.1/33, 19C-2D, South Shetland Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JUBA Jubany, ESPZ Base Esperanza, PMSA Palmer Station, etc.













Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KURBB, FINES, and various NEIC/AEIC/ISC entries.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CNBA, SDPT, PN7A, VNSV, WNSW, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WESP, WEBS, WEBT, WECS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AKUT, AKUB, AHB, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like UNV, MNAT, MSW, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like OKNC, OKNK, OKKC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like O14K, ANCK, MGLS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like OHAK, N14K, KDAA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KDAK, K15K, K17K, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like I28M, F26K, I26K, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PETK, TXAR, GUMO, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BVAR, NOA, ARTI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HFS, MKAR, MKAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AKASG, CMAR, ESDC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KASI, MDSI, MNAI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BLSI, LHSI, KSI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CGJI, MASJ, BATI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA, ASAR, MKAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ZALV, TXAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CUT, CUT, WAT, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TRF, TRF, TRF, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KTH, KTH, MCK, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BPAW, BPAW, BWN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SML, SML, SML, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SML, PMR, PMR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SML, SML, SML, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like L20K, L20K, L20K, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like L20K, SPCP, SPCP, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SPCP, PS10, PS10, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SPCP, PS10, PS10, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SPCP, PS10, PS10, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SPCP, PS10, PS10, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SPCP, PS10, PS10, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SPCP, PS10, PS10, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like H21K, L26K, H22K, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like H27K, KAHG, KARR, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like SMIR, ECEU, ECEU, etc.

SFS 22 20:39:57.7, 35:75N; 4:67W, h70km, ML2.4/16, ML2.6/16, ML2.7/11
CNRM 22 20:39:57.6, 35:61N; 4:86W, h86km, ML2.7
IGL 22 20:39:58.7, 35:77N; 4:72W, h30km, ML2.1
MDD 22 20:39:58.0, 35:77N; 4:72W, h30km; 5km, mb, Lg2.4/18
Error ellipse: s-maj=3.1km s-min=2.5km az=133.0
INMG 22 20:39:59.3, 1.4, 35:89N; 4:74W, h65km; 7km, ML2.1, Error ellipse: s-maj=3.8km s-min=2.6km az=163.0



Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like PB03 IPOC Station P, PB03 IPOC Station P, PB03 IPOC Station P, etc.

ISC 22.21:07.09:1.0, 8.15'65S: 179°91'W, h0km, mb3.9/9, mbmp4.0/10, 1.0, 6.9/1, MS4.1/55, Error ellipse: s-maj=39.4km s-min=18.4km az=137.0

GCMT 22.21:07.15:0.0, 2.15'74S: 0101°17'8W:0.01, h12km, MW4.9/118, Moment Tensor Solution. s28.636; s118.c171; Duration: 0 Moment tensor: Scale 10^16Nm; Mn:0.22±0.07; Mr:0.60±0.07; Mw:0.37±0.06; Mo:0.63±.19; Ms:2.79±0.05; Mbr:0.96±.19; Best double couple; Mc:3.030000×10^16 NP1:3.264.000000, δ72.000000, λ-7.000000. NP2:3.356.000000, δ83.000000, λ-162.000000. Principal axes: T 2.7670, P1g8.0000, Azm 128.0000; N 0.5250, P1g71.0000, Azm 15.0000; P -3.2920, P1g18.0000; Azm221.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Surface-wave location Triangular moment-rate function

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like MSFV N71nm,0.3s,baz=34,slow=22,SNR=553, MSFV 59nm,0.3s,baz=66,slow=22,SNR=7.7, MSFV LR LR 21 08 33.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like MSFV AF10, MSFV AF10, MSFV AF10, etc.

ISC 22.21:39:14:7.1, 5.23'48S: 179°28'W, h0km, mb3.9/5, mbmp3.6/5, Error ellipse: s-maj=42.7km s-min=30.7km az=13.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like ASAR Alice Springs 42.75 260 P, WRA Warramunga Arr 43.09 265 P, VANDA Vanda 54.85 185 P, GSPA South Pole Qui 66.60 180 P

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like TXAR Lajitas Array 89.65 58 P, AEIC 22.21:40:01:6.1, 6.54'34N:0°05:159°78W:0.05, h14km,6km, Error ellipse: s-maj=7.2km s-min=2.8km az=155.0, NEIC 22.21:40:02:6.1, 9.54'37N:0°05:159°85W:0.09, h19km,10km, mb3.6/9, ML3.7/16, ML3.4(AEIC), Error ellipse: s-maj=8.2km s-min=6.4km az=139.0, ISC 22.21:40:02:2.1, 4.54'34N:0°08:159°84W:0.06, h19km,5km, n47, c1919/59, South of Alaska

SNET 22.21:51:19:0.3, 0.11'47N:87°60'W, h20km, ML3.6, Presumed earthquake

CATAC 22.21:51:07:0.7, 12°N:3°8'8W', h6km,3km, M3.3/6, MLV3.3/6, Error ellipse: s-maj=6.7km s-min=3.0km az=29.6, collapsed, Near coast of Nicaragua

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like CSNG Cosiguina Volc 1.06 176 P, CRIN San Cristobal 1.09 47 P, POTN Potosi Cosigui 1.10 18 P, POTN INTN Geotermica Pol Intipuca 1.24 59 P, INTN CNGA AI SSO del Vol 1.26 64 P, CNGA CNGN Cerro Negro 1.26 64 P, LEVN Ruinas Leon Vi 1.30 70 P, CNCH Conchagua 1.32 1 P, CNCH JUCU Jucuari 1.35 344 eS, LCND La Caada 1.35 359 eP, LCND MOMM Motomombo 1.37 70 P, MOMM AMTM Mateare 1.43 78 S, MAMT MOM3 1.43 67 P, MOM3 APYN Apoyeque 1.51 79 P, APYN APQZ Apoyeque 1.52 80 S, RANC EI Ranchito 1.54 344 P, RANC PACAYAL Pacayal 1.58 343 P, PACAYAL SCLA Alcadia de Sa 1.94 34 S

ISC 22.21:51:40:7.4, 7.5'18S: 147°62E, h113km,44km, mb3.3/3, mbmp3.6/5, MS2.6/1, Error ellipse: s-maj=77.7km s-min=33.0km az=97.0, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like PMG Port Moresby 4.22 186 P, PMG 3.8m,0.4s,baz=16,slow=15,SNR=1.9, PMG 18nm,0.4s,baz=45,slow=20,SNR=9.6, CTA Charters Tower 14.88 185 LR, WRA Warramunga Arr 19.55 220 P, ASAR Alice Springs 22.64 214 P





FRB	Fröbisher Bay	20.48 316	P	P	23 11 10.6 +0.7
FRB	comp=Z,24nm,0.7s,baz=108,slow=12,SNR=12		LR		23 17 12.2
FRB	comp=Z,221nm,21.5s,baz=119,slow=31				
FRB	Fröbisher Bay	20.48 316	P	Pn	23 11 11.2 -0.8
SNFO	Sainte-Felicit	20.57 272	PN	Pn	23 11 13.6 +0.5
SNFO			SN	S	23 14 59.5 -1.1
SNFO			Trac		23 15 01.4
PGAV	Gawleira, Arco	21.06 110	eP	P	23 11 14.3 -2.0
PGAV			IAMB	IAMB	23 11 29.8
PGAV	comp=Z,109nm,1.4s		eS	SN	23 15 15.3 -1.6
PGAV			IAMS_20	IAMS_20	23 17 19.9
PCAB	Cabril	21.36 110	eP	P	23 11 18.2 -1.3
PCAB			IAMB	IAMB	23 11 32.6
NEOL	Lamas de Oio	21.71 110	eP	P	23 11 21.8 -1.6
POLO			IAMB	IAMB	23 11 37.4
JMIC	Jan Mayen	21.92 123	LR	LR	23 17 35.9
JMIC	comp=Z,1um,20.8s,baz=212,slow=30				
ECAL	Catalor	21.95 108	P	P	23 11 30.9 +4.9
ECAL	comp=Z,122nm,1.2s				
GGN	Saint George	21.98 263	P	P	23 11 26.8 +0.7
PBRG	Braganca	22.04 108	eP	IAMB	23 11 26.2 -0.7
PBRG			IAMB	IAMB	23 11 36.6
UPNV	Upervnik	22.08 344	P	P	23 11 32.4 +5.4
UPNV	comp=Z,82nm,1.3s				
UPNV	Upervnik	22.08 344	iP	IAMB	23 11 27.2 +0.3
UPNV	comp=Z,48nm,1.4s				
PVIS	Visu	22.09 112	eP	P	23 11 24.7 -2.7
D62A	Allapoint, All	22.36 269	P	IAMB	23 11 31.4 +1.2
D62A	comp=Z,73nm,1.0s				
G65A	Princeton	22.38 263	P	IAMB	23 11 31.0 +0.6
G65A	comp=Z,91nm,1.2s				
MTE	Manteigas	22.50 112	eP	IAMB	23 11 34.1 +2.3
MTE	comp=Z,88nm,1.3s		eS	S	23 15 37.2 -1.3
MTE			IAMS_20	IAMS_20	23 18 02.8
MTE	comp=Z,541nm,20.0s				
MTE	Manteigas	22.50 112	P	P	23 11 30.3 -1.5
F64A	Sherman	22.52 266	P	IAMB	23 11 32.7 +0.8
F64A	comp=Z,39nm,1.4s				
PMAFR	Mafra	22.54 117	eP	IAMB	23 11 30.8 -1.4
PMAFR	comp=Z,31nm,0.9s				
DBG	Daneborg	22.57 11	P	P	23 11 32.8 +0.6
DBG	comp=Z,192nm,1.6s				
DBG	Daneborg	22.57 11	iP	IAMB	23 11 31.8 -0.4
DBG	comp=Z,43nm,1.4s				
EMHW	East Machias	22.57 262	P	P	23 11 33.0 +0.6
PSARD	Sardal	22.70 114	eP	IAMB	23 11 31.4 -2.5
PSARD	comp=Z,45nm,1.4s				
E62A	Clayton Lake	22.86 268	IAMB	IAMB	23 11 43.3
E62A	comp=Z,39nm,0.8s				
PCBR	Castelo Branco	22.91 113	eP	P	23 11 38.1 +2.0
PCBR	comp=Z,113nm,1.3s				
LMQ	La Malbaie	22.93 271	P	IAMB	23 11 37.9 +1.6
LMQ	comp=Z,46nm,1.2s				
PMTG	Montargil	23.04 115	eP	IAMB	23 11 40.4 +3.0
PMTG	comp=Z,78nm,1.6s				
PMRV	Marv???	23.25 114	eP	IAMB	23 11 37.5 -2.1
PMRV	comp=Z,56nm,1.5s		eS	S	23 15 49.9 -1.6
PMRV			IAMS_20	IAMS_20	23 18 35.4
LDAQ	Lac Daran	23.31 273	P	P	23 11 42.2 +2.0
PARRA	Arraiolos	23.32 116	eP	IAMB	23 11 37.7 -2.6
PARRA	comp=Z,70nm,1.4s				
BER	Bergen	23.32 55	P	P	23 11 45.5 +5.4
BER	comp=Z,71nm,1.5s				
MOE	Montemor	23.36 117	eP	IAMB	23 11 43.2 +2.5
MOE	comp=Z,62nm,1.5s				
PESTR	Estremoz	23.53 115	P	P	23 11 48.4 +6.0
EVO	Evora	23.54 116	eP	IAMB	23 11 43.7 +1.2
EVO	comp=Z,45nm,1.4s				
EVO	Evora	23.54 116	P	P	23 11 41.0 -1.4
EVO	comp=Z,13nm,1.4s				
PLOUS	Minas do Louisa	23.67 118	eP	IAMB	23 11 49.4 +5.6
PLOUS	comp=Z,77nm,1.2s				
MESJ	Messejana	23.92 118	eP	IAMB	23 11 45.1 -1.1
MESJ	comp=Z,115nm,1.4s				
MESJ	Messejana	23.92 118	eP	P	23 11 45.1 -1.1
MESJ	comp=Z,13nm,1.4s				
MESJ	Messejana	23.92 118	eP	IAMB	23 11 45.0 -1.1
MESJ	comp=Z,82nm,1.4s				
WVL	Waterville	23.98 264	IAMB	IAMB	23 11 57.6
PBEJ	Beja	23.98 117	eP	IAMB	23 11 52.5 +5.8
PBEJ	comp=Z,57nm,1.5s				
MORF	Marlete	24.09 119	eP	IAMB	23 11 47.0 -0.7
MORF	comp=Z,47nm,1.2s				
MORF	Marlete	24.09 119	eP	P	23 11 47.0 -0.7
MORF	comp=Z,20nm,0.8s				
G62A	West of Eustis	24.17 266	P	P	23 11 49.8 +1.4
PCVE	Castro Verde	24.17 118	P	P	23 11 51.2 +2.7
PBAR	Barrancos	24.32 115	eP	IAMB	23 11 47.6 -2.3
PBAR	comp=Z,46nm,1.6s				
UCC	Uccle	24.37 78	P	P	23 11 49.6 -0.6
UCC	comp=Z,16nm,0.9s				
UCC	Uccle	24.37 78	eP	P	23 11 49.6 -0.6
UCC	comp=Z,11nm,0.8s				
UCC	Uccle	24.37 78	P	P	23 11 50.4 +0.2
PVAQ	Vaqueiros	24.51 118	eS	S	23 11 56.7 +5.0
PVAQ	comp=Z,3.5nm,1.5s				
PVAQ			IAMS_20	IAMS_20	23 19 20.8
DOU	Dourbes	24.76 80	eP	P	23 11 54.4 +0.6
DOU	comp=Z,231nm,20.0s				
BMRD	Maredsous	24.79 79	dP	P	23 11 52.7 -1.3
BMRD	comp=Z,25nm,0.9s				
BMRD	Milan	24.88 265	dPP	Pn	23 12 23.9 -2.1
H62A	San Pablo	24.89 109	P	P	23 11 58.7
PAB	San Pablo	24.89 109	P	P	23 11 54.3 -0.8
PAB	comp=Z,39nm,1.4s				
PAB	San Pablo	24.89 109	P	P	23 11 54.3 -0.8
PAB	comp=Z,19nm,1.1s				
PAB	San Pablo	24.89 109	P	P	23 11 56.2 +1.1
PAB	comp=Z,22nm,1.6s				
DAG	Danmarks Havn	24.99 9	P	P	23 11 54.8 -0.8
DAG	comp=Z,23nm,1.1s				
DAG	Danmarks Havn	24.99 9	P	P	23 11 54.9 -0.7
DAG	comp=Z,22nm,1.1s				
DAG	Danmarks Havn	24.99 9	iP	IAMB	23 11 54.0 -1.6
DAG	comp=Z,22nm,1.1s				
ESBB	Sonsec Array	25.03 109	P	P	23 11 55.7 -0.6
ESBB	comp=Z,50nm,1.5s				
ESBB	Sonsec Array	25.03 109	P	P	23 11 53.8 -2.6
ESBB	comp=Z,4.2nm,0.9s,baz=313,slow=9,SNR=12				
ESBB			LR		23 19 47.0
ESBB	comp=Z,616nm,18.3s,baz=306,slow=32				
ESBB	comp=Z,4.2nm,0.9s				
ESBB	Sonsec Array	25.03 109	P	P	23 11 53.6 -2.7
ESBB	comp=Z,25nm,1.0s				

BLCA	Clavier	25.07 79	dP	P	23 12 00.4 +3.9
BLCA	comp=Z,13nm,0.9s				
RCHB	Rochefort	25.12 79	P	P	23 12 02.6 +5.6
RCHB	comp=Z,32nm,0.9s				
HGN	Heimsgrove	25.32 78	P	P	23 12 03.9 +5.1
HGN	comp=Z,28nm,1.0s				
MEM	Membach	25.42 78	P	P	23 12 01.1 +0.4
MEM	comp=Z,17nm,1.0s				
MEM	Membach	25.42 78	dP	P	23 12 00.7 +2.0
MEM	comp=Z,30nm,1.0s				
MEM	Membach	25.42 78	P	P	23 12 00.1 +0.4
MEM	comp=Z,30nm,1.0s				
WTSB	Winterswijk	25.43 75	P	P	23 12 00.2 +0.4
WTSB	comp=Z,42nm,1.3s				
LOR	Lomsbrunn	25.48 86	P	P	23 12 00.3 0.0
LOR	comp=Z,29nm,1.5s				
KONO	Kongsberg	25.48 56	eP	P	23 11 59.9 -0.3
KONO	comp=Z,116nm,2.5s				
UNH	University of	25.52 262	P	IAMB	23 12 01.9 +1.3
UNH	comp=Z,32nm,0.9s				
NEEM	North Greenlan	25.55 352	iP	IAMB	23 12 00.1 -0.9
NEEM	comp=Z,15nm,0.9s				
WLF	Walden	25.86 80	P	P	23 12 07.6 +3.9
WLF	comp=Z,17nm,1.1s				
BUG	Bochum-Union	25.88 76	P	P	23 12 04.7 +0.8
BUG	comp=Z,17nm,1.1s				
IBUN	Bochum-Union	25.88 76	P	P	23 12 04.7 +0.8
IBUN	comp=Z,30nm,1.3s				
IBUN	Bochum-Union	25.89 73	P	P	23 12 04.2 +0.3
IBUN	comp=Z,51nm,1.2s				
VT1	Waterbury	25.98 266	P	P	23 12 06.2 +1.3
VT1	comp=Z,42nm,1.5s				
NB000	NORSAR Array S	25.99 53	P	IAMB	23 12 04.4 -0.5
NB000	comp=Z,39nm,1.1s				
HNH	Hanover	26.03 265	P	IAMB	23 12 08.0 +2.7
HNH	comp=Z,26nm,0.9s				
L64A	Middleborough	26.17 260	P	IAMB	23 12 07.8 +1.3
L64A	comp=Z,46nm,1.2s				
NB2	NORSAR Subarra	26.21 53	P	IAMB	23 12 04.9 -1.9
NB2	comp=Z,30nm,1.4s,baz=272,slow=9.3				
NOA	NORSAR Array B	26.21 53	P	IAMB	23 12 04.9 -1.9
NOA	comp=Z,8.3nm,1.1s,baz=273,slow=9.0,SNR=6.1				
NOA			LR		23 21 05.9
NB201	NORSAR Array S	26.25 53	P	IAMB	23 12 07.0 -0.1
NB201	comp=Z,66nm,1.5s				
HRV	Adam Dziejowski	26.27 262	P	P	23 12 08.7 +1.2
HRV	comp=Z,24nm,1.1s				
HRV	Adam Dziejowski	26.27 262	P	IAMB	23 12 08.7 +1.2
HRV	comp=Z,24nm,1.1s				
HRV	Adam Dziejowski	26.27 262	P	P	23 12 09.6 +2.1
HRV	comp=Z,18nm,0.9s				
NC303	NORSAR Array S	26.27 53	P	IAMB	23 12 07.2 -0.2
NC303	comp=Z,39nm,1.3s				
CEST	Esterr de Car	26.30 98	P	P	23 12 07.5 -0.5
J61A	Chester	26.39 264	IAMB	IAMB	23 12 14.5
J61A	comp=Z,44nm,1.5s				
NC405	NORSAR Array S	26.45 53	P	P	23 12 08.6 -0.3
MTLF	Montlieu	26.46 96	P	P	23 12 15.3 +6.1
MTLF	comp=Z,27nm,1.3s				
K62A	Royalston	26.59 263	IAMB	IAMB	23 12 16.0
K62A	comp=Z,51nm,1.5s				
RETH	Rethem/Aller	26.69 72	P	P	23 12 12.2 +1.1
RETH	comp=Z,38nm,1.5s				
BSEG	Bad Segeberg	26.89 69	P	P	23 12 14.2 +1.3
BSEG	comp=Z,38nm,1.5s				
BSEG	Bad Segeberg	26.89 69	P	P	23 12 14.2 +1.3
BSEG	comp=Z,38nm,1.5s				
L61B	Northampton	26.98 263	P	IAMB	23 12 15.4 +1.5
L61B	comp=Z,22nm,1.0s				
TNS	Taunus Mts	27.02 78	P	P	23 12 16.7 +2.5
TNS	comp=Z,15nm,1.1s				
ECH	Echery	27.02 86	P	P	23 12 14.6 0.0
ECH	comp=Z,16nm,1.0s				
ECH	Echery	27.02 82	P	P	23 12 14.6 0.0
ECH	comp=Z,22nm,1.5s				
M63A	Gales Ferry	27.21 260	P	IAMB	23 12 17.4 +1.4
M63A	comp=Z,27nm,1.2s				
TRY	Troy	27.41 264	P	IAMB	23 12 17.9 +1.9
TRY	comp=Z,38nm,1.3s				
GTTG	Gottingen	27.43 74	P	P	23 12 18.9 +1.1
GTTG	comp=Z,51nm,1.0s				
BOURR	Bourrignon	27.46 84	P	P	23 12 24.2 +5.9
BOURR	comp=Z,22nm,1.1s				
HFS	Hagfors	27.50 55	P	P	23 12 17.0 -1.4
HFS	comp=Z,2.7nm,0.9s,baz=266,slow=9.7,SNR=2.6				
HFS			LR		23 21 46.9
HFS	comp=Z,541nm,19.4s,baz=278,slow=34				
HFS	Hagfors	27.50 55	P	P	23 12 17.0 -1.4
HFS	comp=Z,2.7nm,0.9s				
J59A	Plesco	27.51 266	IAMB	IAMB	23 12 25.7
J59A	comp=Z,34nm,1.4s				
CLZ	Clausthal	27.57 73	P	P	23 12 24.1 +4.9
CLZ	comp=Z,29nm,1.6s				
BFO	Black Forest	27.71 81	P	P	23 12 20.4 -0.1
BFO	comp=Z,10.0nm,0.7s				
BFO	Black Forest	27.71 81	P	P	23 12 20.4 -0.1
BFO	comp=Z,10.0nm,0.7s				
KSC	Kent School, K				



G30M	Iaoh Zraii Nji	46.87 328	I	Amb	23 15 36.6
H31M	Peel River	46.92 326	I	Amb	23 15 04.2
E28M	Babba River	46.94 331	I	Amb	23 15 04.5
K22A	Casper	47.19 288	P		23 15 06.8 +1.8
LOOK	Love County	47.21 272	P		23 15 06.3 +1.2
NATX	Nacodoches	47.22 288	P		23 15 06.4 +1.3
BLMT	Red Lodge	47.26 292	P		23 15 07.3 +1.7
BR105	Keskin Array S	47.59 77	P		23 15 08.0 -0.1
BR131	Keskin Array S	47.60 77	P		23 15 06.8 -1.6
BR131	Keskin Array S	47.60 77	P		23 15 06.8 -1.3
BRTR	Keskin Array B	47.60 77	P		23 15 07.3 -0.9
BRTR	Keskin Array B	47.60 77	P		23 15 07.3 -0.9
BRTR	Keskin Array B	47.60 77	P		23 15 09.3 +1.1
BRTR	Keskin Array B	47.60 77	P		23 15 06.7 -1.5
BELG	Belogomye	47.67 55	P		23 15 07.7 -0.7
BELG	Belogomye	47.67 55	P		23 15 06.8 -1.6
YNE	Yellowstone No	47.74 292	P		23 15 10.2 +0.9
GBMT	Granite Butte	47.98 296	I	Amb	23 15 22.5
YMP	Mirror Lake PI	47.99 292	P		23 15 13.5 +2.2
WTLY	Watson Lake, Y	48.12 318	I	Amb	23 15 15.0
KIRS	Kirschler	48.14 77	P		23 15 18.7 +6.4
WTF5	Witchita Falls	48.15 273	I	Amb	23 15 15.5
KEPZ	Antalya-Kepez	48.22 81	P		23 15 16.0 +3.1
BOZ	Bozeman (W)	48.29 294	I	Amb	23 15 24.7
H30M	Hart River	48.32 325	I	Amb	23 15 16.2
JTMT	Jette	48.44 298	P		23 15 15.7 +1.1
ISCO	Idaho Springs	48.46 284	I	Amb	23 15 17.7 +2.7
ISCO	Idaho Springs	48.46 284	I	Amb	23 15 32.5
ISCO	Idaho Springs	48.46 284	P		23 15 18.0 +3.0
I29M	Ogilvie Camp	48.51 327	P		23 15 15.1 +0.3
G27K	Doyon Strip	48.68 330	I	Amb	23 15 18.1
SOC	Sochi	48.70 69	eP		23 15 14.4 -2.1
SOC	Sochi	48.70 69	ePPP	PPP	23 17 05.5
SOC	Sochi	48.70 69	eSS	SSS	23 17 54.8
SOC	Sochi	48.70 69	eSSS	SSS	23 22 16.4 -2.3
SOC	Sochi	48.70 69	eMLR	MLR	23 26 57.9
C24K	Franklin Bluff	48.78 335	P		23 15 17.8 +1.1
F26K	Sheenik River	48.86 331	I	Amb	23 15 20.1
PDAR	Pinedale Array	48.87 290	P		23 15 20.1 +2.1
PDAR	Pinedale Array	48.87 290	P		23 15 06.8
PDAR	Pinedale Array	48.87 290	P		23 15 18.8 +0.7
RTBA	Rita Blanca	48.84 279	P		23 15 19.4 +0.9
DLMT	Dillon	48.97 294	P		23 15 20.1 +1.4
H27K	Steamboat Moun	49.01 329	I	Amb	23 15 30.1
J29N	Klondike Camp	49.05 326	I	Amb	23 15 20.5 +1.6
J29N	Klondike Camp	49.05 326	I	Amb	23 15 21.9
M31M	Drury Creek, Y	49.06 322	P		23 15 21.5 +2.5
EMAR	Burnt Mountain	49.16 331	P		23 15 20.6 +0.8
K29M	Barlow Dome	49.18 325	I	Amb	23 15 22.3
HKT	Hockley	49.20 267	iP		23 15 19.5 -0.9
AMTX	Amarillo	49.34 277	I	Amb	23 15 32.8
F25K	Christian Rive	49.37 332	I	Amb	23 15 23.3
R33M	Jennings River	49.43 318	I	Amb	23 15 25.6
BNN	Bunyan	49.47 76	P		23 15 22.1 -0.5
T25A	Trinidad	49.48 281	I	Amb	23 15 28.0
MDP	Montagnes des	49.55 203	LR		23 31 43.8
DLBC	Dease Lake	49.62 317	LR		23 32 40.2
GOF	Goitksyev	49.65 66	eP		23 15 24.6 +0.8
P33M	Teslin, Yukon	49.67 320	I	Amb	23 16 23.6
DAWY	Dawson	49.69 326	I	Amb	23 15 35.7
DKNS	Dickens	49.71 275	P		23 15 25.6 +1.2
DKNS	Dickens	49.71 275	I	Amb	23 15 34.7
L29M	L29M	49.86 325	I	Amb	23 15 37.3
FYU	Fort Yukon	49.93 331	P		23 15 26.2 +0.7
BCYI	Bear Canyon	50.08 294	P		23 15 29.6 +2.3
I26K	Coal Creek Min	50.12 329	I	Amb	23 15 38.8
E23K	Chandler	50.16 334	I	Amb	23 15 29.4
BRDY	Brady	50.19 271	I	Amb	23 15 30.2
SHA1	Shidzhatmat	50.27 67	iP		23 15 25.9 -2.8
RDMU	Red Mountain	50.28 288	I	Amb	23 15 30.0 +1.2
RDMU	Red Mountain	50.28 288	I	Amb	23 15 51.1
ARTI	Arti	50.36 46	P		23 15 28.2 -0.7
ARTI	Arti	50.36 46	iP		23 35 31.7
ARTI	Arti	50.36 46	iP		23 15 29.3 +0.4
ARTI	Arti	50.36 46	iP		23 17 21.1
ARTI	Arti	50.36 46	iP		23 22 44.0 +2.5
ARTI	Arti	50.36 46	P		23 15 29.3 +0.4
ARTI	Arti	50.36 46	P		23 15 37.5
KBZ	Khabaz	50.41 67	P		23 15 29.5 +0.1
KBZ	Khabaz	50.41 67	eP		23 37 37.7
KBZ	Khabaz	50.41 67	eP		23 15 30.7 +1.2
POST	Post	50.47 275	P		23 15 31.5 +1.3
G24K	Hadweenzic Riv	50.50 332	I	Amb	23 15 42.0
K27K	Chicken	50.61 327	I	Amb	23 15 43.5
MSTX	Muleshoe	50.62 376	I	Amb	23 15 42.5
HWUT	Hardware Ranch	50.76 290	P		23 15 33.0 +0.6
HWUT	Hardware Ranch	50.76 290	P		23 15 44.5
HWUT	Hardware Ranch	50.76 290	P		23 15 35.3 +2.9
COLD	Coldfoot	50.90 333	I	Amb	23 16 54.8
PLID	Pearl Lake	51.02 296	I	Amb	23 15 45.2
SVE	Sverdlousk	51.06 45	eP		23 15 35.4 +1.2
HYS	Haines Junctio	51.09 322	I	Amb	23 15 46.0

PV07	Paradox Valley	51.13 285	I	Amb	23 15 47.8
BCAR	Beaver Creek A	51.15 326	P		23 15 36.2 +1.3
H24K	Noodor Dome	51.21 331	I	Amb	23 15 38.0
G23K	Bananza Creek	51.22 332	I	Amb	23 15 47.5
JCT	Junction City	51.24 271	I	Amb	23 15 37.9
J25K	Salcha River	51.29 329	I	Amb	23 15 38.4
PV23	Carpenter Ridge	51.34 285	P		23 15 38.7 +1.8
PV23	Carpenter Ridge	51.34 285	P		23 15 51.2
NR1K	Noril'sk	51.34 22	iP		23 15 35.9 -0.3
NR1K	Noril'sk	51.34 22	iP		23 37 34.5
NR1K	Noril'sk	51.34 22	iP		23 15 35.8 -0.3
NR1K	Noril'sk	51.34 22	iP		23 15 35.9 -0.3
NR1K	Noril'sk	51.34 22	iP		23 15 46.9 -0.3
PV03	Paradox Valley	51.37 285	I	Amb	23 15 50.1
PV13	Radium Mtn., P	51.42 285	P		23 15 37.7 +0.2
PV13	Radium Mtn., P	51.42 285	P		23 16 15.4
DOT	Dot Lake	51.52 327	I	Amb	23 15 49.7
IL31	Elision Array	51.65 329	I	Amb	23 15 41.0
ILAR	Elision Array	51.65 329	P		23 15 39.8 +1.2
ILAR	Elision Array	51.65 329	P		23 16 51.8 -0.2
ILAR	Elision Array	51.65 329	P		23 16 11.1
ILAR	Elision Array	51.65 329	P		23 15 39.4 +0.8
ILAR	Elision Array	51.65 329	P		23 16 51.8
ILAR	Elision Array	51.65 329	P		23 15 39.8 +0.8
M27K	Edge Creek, AK	51.66 325	I	Amb	23 15 43.2
H23K	Kunuk River	51.71 331	I	Amb	23 15 51.2
MVCO	Mesa Verde	51.86 284	P		23 15 43.9 +3.1
COLA	College	51.88 330	iP		23 15 40.8 +0.6
COLA	College	51.88 330	P		23 15 41.8 +1.6
D19K	Kunuk River	52.01 337	P		23 15 40.9 -0.3
I23K	Minto, Yukon-K	52.14 331	I	Amb	23 15 54.3
LTY	Liberty	52.14 301	I	Amb	23 15 52.2
DB1C	Dimbokro	52.17 141	P		23 15 41.3 -1.6
DB1C	Dimbokro	52.17 141	P		23 35 14.2
DB1C	Dimbokro	52.17 141	P		23 15 41.3 -1.6
DB1C	Dimbokro	52.17 141	P		23 15 50.3
ANMO	Albuquerque	52.17 280	LR		23 37 16.2
ANMO	Albuquerque	52.17 280	P		23 15 43.4 +0.3
ANMO	Albuquerque	52.17 280	P		23 15 45.0 +1.9
ANMO	Albuquerque	52.17 280	P		23 15 46.1 +3.0
TASM	ASL Red, Albuq	52.18 280	I	Amb	23 15 56.6
ALQ	Albuquerque	52.18 280	I	Amb	23 15 54.9
WRH	Wood River Hill	52.23 330	I	Amb	23 15 45.1
SDV	Santo Domingo	52.26 226	LR		23 34 21.5
G21K	Allakaket	52.32 334	I	Amb	23 16 57.7
NEA2	Nenana	52.45 330	P		23 15 45.1 +0.6
PAX	Paxson	52.45 327	I	Amb	23 15 47.4
F20K	Avarant Lake	52.52 335	I	Amb	23 15 46.6
PCA	Pinnacle	52.60 322	I	Amb	23 15 46.9
MLY	Manley	52.63 331	I	Amb	23 15 48.3
B6B	Bella Bella	52.68 309	LR		23 37 13.4
MCAR	McCarthy VSAT	52.72 325	I	Amb	23 17 07.1
HARP	HARP	52.75 327	P		23 15 47.8 +1.1
IMAR	Indian Mountai	52.75 333	P		23 15 47.4 +0.5
GD2L	Guadalupe Moun	52.81 276	P		23 15 48.8 +1.0
I21K	Tanana	52.88 332	I	Amb	23 15 59.8
DHY	Dental Highway	53.00 328	I	Amb	23 15 51.4
LENN	Lemitar	53.02 280	P		23 15 50.0 +0.6
CRNM	Carthage	53.02 279	P		23 15 51.0 +1.7
MMAI	Mount Meron Ar	53.14 82	eP		23 15 49.9 -0.2
MMAI	Mount Meron Ar	53.14 82	eP		23 40 20.9
CRQM	Crater	53.19 324	P		23 15 50.2 0.0
F19K	Shalruclik Mo	53.20 335	I	Amb	23 15 51.5
BPAP	Bear Paw Mtn.	53.38 330	I	Amb	23 15 53.7
ELK	Elko	53.42 291	LR		23 37 54.4
MAK	Makhachkala	53.47 65	iP		23 15 46.5 -5.8
MAK	Makhachkala	53.47 65	ePPP	PPP	23 19 03.5
MAK	Makhachkala	53.47 65	eSS	SSS	23 17 14.7 -1.0
MAK	Makhachkala	53.47 65	eSSS	SSS	23 27 03.2 -0.9
MAK	Makhachkala	53.47 65	eSSS	SSS	23 28 57.9
MAK	Makhachkala	53.47 65	eP		23 15 55.2 -0.8
RD0G	Red Dog Mine	53.47 338	I	Amb	23 15 53.8
KLU	Klutina	53.65 326	I	Amb	23 15 57.6
NLWA	Neilton Lookou	53.71 303	I	Amb	23 16 05.5
QRNJ	Al-Qirein	53.72 83	P		23 16 01.8 +7.6
GNI	Garni	53.78 69	P		23 15 54.1 -0.7
GNI	Garni	53.78 69	eP		23 39 11.5
GNI	Garni	53.78 69	eP		23 15 55.0 +0.1
GNI	Garni	53.78 69	P		23 15 53.7 -1.1
GNI	Garni	53.78 69	P		23 16 03.8
GNI	Garni	53.78 69	P		23 15 57.7 +2.8
H19K	Roundabout Mou	53.86 334	I	Amb	23 15 57.1
UJAP	Al Uja	53.92 83	P		23 16 02.2 +6.6
AKTO	Aktubinsk	53.99 52	P		23 15 55.2 -0.7
AKTO	Aktubinsk	53.99 52	P		23 37 16.8
W18A	Petrified Fore	54.02 282	P		23 15 57.8 +1.2
W18A	Petrified Fore	54.02 282	P		23 16 08.6
WVOR	Wild Horse Val	54.20 295	P		23 15 57.5 -0.3
WVOR	Wild Horse Val	54.20 295	I	Amb	23 16 23.3

WVOR	Wild Horse Val	54.20 295	P		23 15 58.1 +0.3
J20K	Nowinta River	54.25 332	I	Amb	23 16 00.7
MSBI	Mazda	54.30 84	P		23 16 06.5 +8.0
MSBI	Mazda	54.30 84	P		23 16 00.8 +2.3
BOAV	Boa Vista	54.34 212	I	Amb	23 16 01.2
BOAV	Boa Vista	54.34 212	eP		23 15 58.8 -0.2
TXAR	Lajitas Array	54.41 273	P		23 16 00.5 +1.0
TXAR	Lajitas Array	54.41 273	P		23 38 06.5
TXAR	Lajitas Array	54.41 273	P		23 16 00.0 +0.5
TXAR	Lajitas Array	54.41 273	P		23 16 07.4 +8.0
GHAJ	Ghor Haditha	54.43 84	P		23 16 06.3 +6.9
GHO	Glory Hole Cre	54.44 328	I	Amb	23 16 01.9
KARJ	KARJ	54.62 84	P		23 16 04.7 +3.9
ASF	Jabal al Asfar	54.63 82	LR		23 42 27.5
ASF	Jabal al Asfar	54.63 82	P		23 15 50.3 -1.1
121A	Cookes Peak, D	54.64 279	I	Amb	23 16 13.0
H18K	Honhosa River	54.66 334	I	Amb	23 16 12.8
WUAZ	Wupatki	54.71 284	P		23 16 02.9 +7.8
PRNI	Prunella	54.7			









Table with columns: NEEM, North Greenlan, 57.57 359, i P, P, 00 43 24.6 +0.2, 00 43 27.3, 00 43 24.7 -0.2, etc.

Table with columns: BDRM Kayabasi, 65.18 58, P, P, 00 44 16.0 -0.2, 00 44 17.2 +0.1, 00 44 15.7 -1.9, etc.

Table with columns: NRK Nori'sk, 84.95 15, LR, LR, 01 22 19.9, 01 24 21.7, 00 46 26.1 -1.1, etc.

Table with columns: IDC 23 00:39:19.0, 1.5, 54.49N; 159.83W, h0km, mb4.0/4, mtmtp3.97, ML3.7/3, Error ellipse: s-maj=32.8km, etc.







Principal axes: T 9.4950, Plg14.0000°, Azm47.0000°; N -1.9650, Plg73.0000°, Azm196.0000°; P -7.5320, Plg8.0000°, Azm315.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function GUC 23.01:46:19.0,36:24S:97.06W, h11km, MW5.7, Presumed earthquake  
 PTWC 23.01:46:20.36:20S:97.10W, h23km, Mw6.0/0.14  
 NEIC 23.01:46:26.2,36:29S:97.15W, h20km, Moment Tensor Solution. Duration: 488 Moment tensor: Scale 10<sup>17</sup>Nm; Mm-1.25, Mns-0.24; Mm1.49, Mm2-1.3; Mm3-0.30; Mm2.24; Fault plane solution: Ms8.9000x1017 NP14.0800x1017, 8.7851000°, 110.62000°, NP2=271.94000°, 8.7860000°, 116.832000°. Principal axes: T 9.8313, Plg16.0000°, Azm228.0000°; N -2.1112, Plg74.0000°, Azm51.0000°; P -7.7202, Plg1.0000°, Azm318.0000°;  
 ISC 23.01:46:16.8:0.2,36:30S:0.05:97.17W:0.04,h10km, n1168,+1563/618,m5.6/415,MS5.4/322,52C-26D,West Chile Rise

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time h:m:s	Res ISC
RPN	Rapa Nui	13.80	308	Op Pn	LR	01 49 33.4	+0.9
RPN	Rapa Nui	13.80	308	P	LR	01 53 15.1	
RPN	Rapa Nui	13.80	308	P	Pn	01 49 33.9	+1.3
RPN	Rapa Nui	13.80	308	P	Pn	01 49 34.1	+1.5
RPN	Rapa Nui	13.80	308	eP	Pn	01 49 34.6	+1.9
RPN	Rapa Nui	13.80	308	P	Pn	01 49 34.5	+1.9
VA02	Isla de Pascua	13.85	308j	eP	Sn	01 49 34.2	+1.0
VA02	Isla de Pascua	13.85	308j	eS	Pn	01 52 12.4	+5.4
H03S2	Juan Fernandez	15.14	86	T	T	02 05 32.6	
H03S1	Juan Fernandez	15.15	86	T	T	02 05 33.9	
H03S3	Juan Fernandez	15.16	86	T	T	02 05 26.6	
H03N2	Juan Fernandez	15.24	85	T	T	02 05 34.5	
H03N1	Juan Fernandez	15.26	85	T	T	02 05 31.1	
VA04	Juan Fernandez	15.27	85	P	Pn	01 49 53.8	+1.4
VA04	Juan Fernandez	15.27	85	eP	Pn	01 49 53.9	+1.5
VA04	Juan Fernandez	15.27	85	eP	Pn	01 49 54.1	+1.7
VA04	Juan Fernandez	15.27	85	P	Pn	01 49 54.1	+1.7
BI04	Isla Mocha	18.62	103	eP	S	01 50 35.8	+1.1
BI04	Isla Mocha	18.62	103	eS	SN	01 54 07.9	+1.3
LR04	Corral	19.01	108	P	IAMB	01 50 37.4	-1.3
LR04	Corral	19.01	108	P	IAMB	01 50 44.3	
LR04	Corral	19.01	108	eP	Pn	01 50 38.8	+0.1
LR04	Corral	19.01	108	eS	Pn	01 50 36.5	-2.2
LR04	Corral	19.01	108	eP	Sn	01 54 12.5	+0.2
LL05	Los Muermos	19.12	113	P	Pn	01 50 42.1	+1.4
LL05	Los Muermos	19.12	113	P	Pn	01 50 42.3	+1.6
LL05	Los Muermos	19.12	113	P	Pn	01 50 42.2	+1.6
LL05	Los Muermos	19.12	113	P	Pn	01 50 42.4	+1.6
GO07	Milladeco Hill	19.29	118	P	Pn	01 50 43.5	+0.8
GO07	Milladeco Hill	19.29	118	P	Pn	01 50 44.1	+1.4
GO07	Milladeco Hill	19.29	118	P	Pn	01 50 43.9	+1.2
GO07	Milladeco Hill	19.29	118	P	Pn	01 50 44.1	+1.4
LL07	Hotel Espejo d	19.36	117	P	Pn	01 50 44.7	+1.2
LL07	Hotel Espejo d	19.36	117	eP	Pn	01 50 44.7	+1.2
LL07	Hotel Espejo d	19.36	117	P	Pn	01 50 45.1	+1.5
LR03	Panguipulli	19.83	107	P	IAMB	01 50 49.8	+0.6
LR03	Panguipulli	19.83	107	eP	IAMB	01 50 55.5	
LR03	Panguipulli	19.83	107	eS	Pn	01 50 49.3	0.0
LR03	Panguipulli	19.83	107	eS	Sn	01 54 35.1	+3.0
LL03	Petrohue	19.89	112	P	Pn	01 50 50.0	+0.1
LL03	Petrohue	19.89	112	P	Pn	01 50 50.2	+0.3
GO06	Curarrehue	20.51	107	P	Pn	01 50 56.6	-0.7
GO06	Curarrehue	20.51	107	IAMB	IAMB	01 51 01.2	
GO06	Curarrehue	20.51	107	P	Pn	01 50 56.6	-0.5
GO06	Curarrehue	20.51	107	P	Pn	01 50 56.9	-0.5
LL02	Futaleuf	20.60	117	P	Pn	01 50 57.8	-0.5
LL02	Futaleuf	20.60	117	eP	Pn	01 50 57.8	-0.5
LL02	Futaleuf	20.60	117	P	Pn	01 50 58.0	-0.3
BI02	San Fabin de	20.81	99	IAMB	IAMB	01 50 59.8	-1.0
BI02	San Fabin de	20.81	99	P	Pn	01 50 59.8	-1.1
BI02	San Fabin de	20.81	99	P	Pn	01 50 59.8	-1.0
ML02	Panimavida	20.82	96	P	IAMB	01 50 59.2	+0.8
ML02	Panimavida	20.82	96	P	IAMB	01 51 04.0	
ML02	Panimavida	20.82	96	P	Pn	01 50 59.6	-1.2
COYC	Coyhaique	21.02	124	IAMB	IAMB	01 51 02.3	
COYC	Coyhaique	21.02	124	IAMB	IAMB	01 51 07.2	
COYC	Coyhaique	21.02	124	P	Pn	01 51 02.3	
COYC	Coyhaique	21.02	124	eP	Pn	01 51 01.8	
COYC	Coyhaique	21.02	124	P	Pn	01 51 02.4	
VA01	Torpederas	21.23	89	P	IAMB	01 51 03.6	+0.8
VA01	Torpederas	21.23	89	P	IAMB	01 51 07.2	
VA01	Torpederas	21.23	89	P	P	01 51 04.0	+1.2
VA01	Torpederas	21.23	89	P	P	01 51 04.0	+1.2
PLCA	Paso Flores	21.26	110	P	P	01 51 04.0	+0.8
PLCA	Paso Flores	21.26	110	P	P	01 51 04.0	+0.8
PLCA	Paso Flores	21.26	110	P	P	01 51 04.6	+1.4
PLCA	Paso Flores	21.26	110	IAMB	IAMB	01 51 08.9	
PLCA	Paso Flores	21.26	110	P	P	01 51 04.8	+1.6
PLCA	Paso Flores	21.26	110	P	P	01 51 04.9	+1.6
PLCA	Paso Flores	21.26	110	eP	P	01 51 03.9	+0.8
MT01	Popeta	21.33	91	P	IAMB	01 51 04.8	+0.9
MT01	Popeta	21.33	91	IAMB	IAMB	01 51 10.0	
BO01	Sierra Bellavi	21.50	94	IAMB	IAMB	01 51 05.6	+1.5
BO01	Sierra Bellavi	21.50	94	P	P	01 51 05.7	+1.5
BO02	Sierra Bellavi	21.50	94	P	P	01 51 06.6	+0.7
BO02	Sierra Bellavi	21.50	94	IAMB	IAMB	01 51 12.3	
BO02	Sierra Bellavi	21.50	94	P	P	01 51 07.1	+1.2
MT09	Talagante	21.56	91	P	P	01 51 07.2	+0.6
MT02	Curacav	21.57	90	P	IAMB	01 51 07.5	+0.9
MT02	Curacav	21.57	90	IAMB	IAMB	01 51 16.5	
GO08	Villa O'Higgins	21.76	132	P	P	01 51 09.1	+0.6
GO08	Villa O'Higgins	21.76	132	P	P	01 51 09.3	+0.9
GO08	Villa O'Higgins	21.76	132	P	P	01 51 09.4	+0.9
BO04	La Punta	21.82	92	P	P	01 51 10.2	+0.9
PEL	Peldehue	21.97	90	P	P	01 51 12.2	+1.3
PEL	Peldehue	21.97	90	P	P	01 51 12.0	+1.1
PEL	Peldehue	21.97	90	pmx	pmx		
PEL	Peldehue	21.97	90	P	P	01 51 12.0	+1.1
PEL	Peldehue	21.97	90	IAMB	IAMB	01 51 18.4	
PEL	Peldehue	21.97	90	IAMS_20	IAMS_20	01 56 48.7	
PEL	Peldehue	21.97	90	P	P	01 51 12.1	+1.1
PEL	Peldehue	21.97	90	P	P	01 51 12.2	+1.3
CO06	Fray Jorge	21.99	83	P	IAMS_20	01 51 12.1	+0.9
CO06	Fray Jorge	21.99	83	IAMS_20	IAMS_20	01 57 02.4	
MT03	Universidad Ad	22.02	91	P	P	01 51 12.5	+1.0
CO04	Los Peladeros	22.06	87	P	P	01 51 13.3	+1.2

CO04	Los Peladeros	22.06	87	P	P	01 51 13.6	+1.4
MT13	San Alfonso	22.14	91	IAMB	IAMB	01 51 13.6	+0.8
MT13	San Alfonso	22.14	91	IAMB	IAMB	01 51 23.3	
VA03	San Esteban	22.18	89	IAMS_20	IAMS_20	01 56 55.2	
VA03	San Esteban	22.18	89	P	P	01 51 14.2	+0.9
CO02	Combarbal	22.31	84	IAMS_20	IAMS_20	01 57 09.8	
CO02	Combarbal	22.31	84	P	P	01 51 15.7	+1.0
CO02	Combarbal	22.31	84	P	P	01 51 15.8	+1.1
CO05	La Serena	22.60	81	IAMS_20	IAMS_20	01 51 17.3	-0.3
CO05	La Serena	22.60	81	IAMS_20	IAMS_20	01 57 18.5	
CO05	La Serena	22.60	81	eP	P	01 51 18.3	+0.8
CO05	La Serena	22.60	81	P	P	01 51 19.9	+1.3
CO03	El Pedregal	22.69	84	IAMB	IAMB	01 51 24.5	
CO03	El Pedregal	22.69	84	IAMS_20	IAMS_20	01 57 20.9	
CO03	El Pedregal	22.69	84	P	P	01 51 20.0	+1.3
GO04	Tololo Observa	22.85	82	IAMS_20	IAMS_20	01 57 26.1	
GO04	Tololo Observa	22.85	82	P	P	01 51 20.7	+0.2
GO04	Tololo Observa	22.85	82	eP	P	01 51 20.6	+0.2
GO04	Tololo Observa	22.85	82	P	P	01 51 22.1	+1.6
LC0	Las Campanas	23.39	79	P	P	01 51 27.3	+1.2
LC0	Las Campanas	23.39	79	pmx	pmx		
LC0	Las Campanas	23.39	79	P	P	01 51 27.3	+1.2
LC0	Las Campanas	23.39	79	P	P	01 51 27.3	+1.2
AC04	Llanos de Chal	23.45	77	P	P	01 51 25.9	-0.5
AC04	Llanos de Chal	23.45	77	P	P	01 51 27.8	+1.4
CO01	Juntas del Tor	23.49	82	IAMS_20	IAMS_20	01 57 47.1	
CO01	Juntas del Tor	23.49	82	P	P	01 51 28.3	+1.3
AC05	El Transito	23.81	79	IAMS_20	IAMS_20	01 58 13.6	
AC05	El Transito	23.81	79	P	P	01 51 31.5	+1.4
ZON	Zonda	24.07	87	P	P	01 51 34.1	+1.7
ZON	Zonda	24.07	87	P	P	01 51 33.7	+1.3
ZON	Zonda	24.07	87	P	P	01 51 34.1	+1.7
GO03	Copiapo	24.39	77	IAMS_20	IAMS_20	01 58 10.1	
GO03	Copiapo	24.39	77	P	P	01 51 36.2	+0.8
GO03	Copiapo	24.39	77	P	P	01 51 36.2	+0.8
AC06	Mina Casimiro	24.40	76	P	P	01 51 36.2	+0.8
AC06	Coronel Fontan	24.41	87	LR	LR	01 58 51.4	
AC01	Pan de Azucar	24.80	73	P	P	01 51 40.0	+0.9
AC01	Pan de Azucar	24.80	73	IAMS_20	IAMS_20	01 58 30.3	
AC01	Pan de Azucar	24.80	73	P	P	01 51 39.8	+0.7
AC01	Pan de Azucar	24.80	73	P	P	01 51 39.9	+0.7
AC02	Maricunga	25.61	76	P	P	01 51 48.3	+1.3
AC02	Maricunga	25.61	76	P	P	01 51 48.5	+1.5
MG02	Cerro Sombora	25.61	139	P	P	01 51 48.0	+1.8
PB14	IPOC Station P	25.75	71	IAMS_20			

23d 1h

Table with columns: Station, Frequency, Power, Modulation, and other parameters. Includes stations like MACA Manacapuru-AM, LCR2 La Lucha 2, TAOE Nuku Hiva Isla, etc.

2020 OCT

Table with columns: Station, Frequency, Power, Modulation, and other parameters. Includes stations like SNAA comp=E,20nm,0.3s, SNAA Sanae, SNAA comp=E,1um,21.5s, etc.

1304

Table with columns: Station, Frequency, Power, Modulation, and other parameters. Includes stations like WHTX Lake Whitney, SGCY Sterling City, TPB28 Fox Glacier, etc.





23d 1h

Table with columns for station name, frequency, power, and signal strength. Includes stations like HNH Hanover, PLID Pearl Lake, MCVT Middlebury Col, BUKO Buck Lake, etc.

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Table with columns for station name, frequency, power, and signal strength. Includes stations like STKA Stephens Creek, HTT Hallett, HHT Hallett, etc.

1306

Table with columns for station name, frequency, power, and signal strength. Includes stations like O15K Ungalikthiuk R, POKR POKR Pt Res, L20K Farewell, etc.





1309

Table with columns: Station, Name, Frequency, Power, Class, and other details. Includes stations like R55A Marlinton, BDFB Brasilia, BDFB Brasilia, etc.

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Table with columns: Station, Name, Frequency, Power, Class, and other details. Includes stations like KEST Kesra, AMTX Amarillo, TUE Stuetta, etc.

23d 2h

Table with columns: Station, Name, Frequency, Power, Class, and other details. Includes stations like MORH Mrgy, Hungary, MORH Mrgy, Hungary, HMU Henry Mountain, etc.







Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SMST, SGLT, SGST, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ZPLA, Ao Xicun, MZLA, Ma-tsu, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TASM, comp=Z.7.3nm,0.8s, IAmB\_Lg, etc.

1313

Table with columns: Station Name, Time, Res, and various codes. Includes stations like WESN, MGOD, MAPS, etc.

2020 OCT

Main table with columns: Code, Station Name, Time, Res, and various codes. Includes stations like TXAR, R40A, SCHO, etc.

23d 4h

Table with columns: Station Name, Time, Res, and various codes. Includes stations like GLNY, WKZ, Wanaika, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Chuzmiza, IPOC Station P, IPOC Station P, etc.

ICD 23 04:52:53.4+1.4, 25:42:52:71:93W, h0km, mb3.4/1, mbmp3.7/5, ML3.7/4, Error ellipse: s-maj=25.3km s-min=15.6km az=82.0

SJA 23 04:52:53.5+1.4, 25:44:5:71:32W, h11km, 16km, ML3.8, MW3.5

GUC 23 04:52:58.1+0.8, 25:55S:70:73W, h52km, 8km, ML3.7, Presumed earthquake

ISC 23 04:52:53.4+0.9, 25:49S:0:03:71:38W, h10km, n45, e263/42, 3C-3D, Off coast of northern Chile

Main table for station data on the left side, including stations like Pan de Azucar, IPOC Station P, Mina Casimiro, etc.

baz=108,slow=75,SNR=9.2 H11S1 WAKE ISLAND Hy26.05 275 T T 07 31 27.5

baz=108,slow=75,SNR=5.8 H11S2 WAKE ISLAND Hy26.05 275 T T 07 31 30.8

ZALV Zalesovo Beam 146.51 26 PKPbc PKIKP 05 12 38.1 +0.6

NEIC 23 04:55:25.2+1.2, 54:46N:0:06:159:42W, h0.08, h35km, 2km, ML3.5/26, ML3.5(AEIC), Error ellipse: s-maj=11.7km s-min=5.8km az=329.0

AEIC 23 04:55:26.2+1.1, 54:48N:0:06:159:46W, h0.09, h35km, 7km, Error ellipse: s-maj=9.7km s-min=6.5km az=147.0

ISC 23 04:55:24.9+1.4, 54:44N:0:08:159:42W, h0.06, h43km, 14km, n57, e081/73, South of Alaska

Main table for station data in the middle, including stations like Chernabura Isl, IPOC Station P, Westdahl Peak, etc.

ICD 23 05:30:15.6+8.3, 34:23S:179:80W, h0km, mb3.8/2, mbmp3.0/2, MS3.2/2, Error ellipse: s-maj=31.0km s-min=65.0km az=164.0

WEL 23 05:30:16.6+1.2, 36:5:8:17:9W, h12km, M3.7/9, mB4.2/1, ML3.6/12, MLV3.7/9, Mw(mB3.3/1), Error ellipse: s-maj=11.0km s-min=8.9km az=28.0, confirmed

ISC 23 05:30:15.8+1.7, 35:55:0:1x179:1W, h0.1, h47km, n20, e1919/23, East of North Island

Main table for station data on the right side, including stations like Matakoa Op, Waiomatatini S, Puketiti, etc.

NOU 23 05:31:14.9, 11:04S:164:77E, h0km, ML5.5/14, Santa Cruz Islands Region

ICD 23 05:31:18.4+3.9, 10:73S:164:98E, h113km, 29km, mb3.6/7, mbmp4.1/9, MS2.9/3, Error ellipse: s-maj=39.7km s-min=17.6km az=56.0

ISC 23 05:31:17.2+1.0, 10:75S:0:10:165:0E, h0.1, h100km, n27, e1929/20, mb3.9/7, Santa Cruz Islands region

Main table for station data on the right side, including stations like Huro Makira, Tingoa Renbel, Honiara, etc.

ASRS 23 05:05:26.0+1.1, 54:64N:83:61E, h0km, M2.3(MOS), The earthquakes of Russia in 2020, Obninsk, GS RAS, 2022

ICD 23 05:05:26.5+2.0, 54:74N:83:79E, h0km, mbmp2.9/3, ML2.4/3, Error ellipse: s-maj=17.6km s-min=12.0km

Table for station data at the bottom of the middle column, including stations like Zalesovo Infra, Zalesovo Beam, Kurbb Kurchatov Arra, etc.







1317

Table with columns: AKTO, AKTYUBINSK, 17.00 330, P, 06 28 17.7 +1.3, etc. Includes various station names and coordinates.

IDC 23 06:30:34.9 0.6, 36.35S:97.41W, h0km, mb4.3/14, mtbpm4.3/14, MS3.6/11, Error ellipse: s-maj=23.3km s-min=15.5km az=77.0
GFZ 23 06:30:34.9 0.3, 37.7S:97.8W, h10km, M4.6/18, mb4.6/18
NEIC 23 06:30:36.9 1.2, 36.4S:0.1:97.6W:0.2, h10km, 1km, mb4.7/38, Error ellipse: s-maj=25.1km s-min=19.6km az=252.0
ISC 23 06:30:36.4 0.5, 36.38S:0.09:97.61W:0.09, h12km, n107, r134/93, mb4.6/44, MS4.0/13, 4C-ID, West Chile Rise

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Table with columns: VA04, Juan Fernandez, 15.63 85, Iamb, P, 06 34 20.4 -0.3, etc. Lists various stations and their coordinates.

23d 6h

Table with columns: MAW, Mawson, 75.29 172, P, 06 42 19.8 +0.9, etc. Lists stations and their coordinates.

ISK 23 06:53:48.8, 39.57N:26.04E, h7km, ML2.5/19
AFAD 23 06:53:48.7, 39.54N:26.06E, h6km, 2km, ML2.1
ISC 23 06:53:49.3 0.9, 39.56N:02.06:26.05E:0.04, h13km, 5km, n38, o56:64, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists station codes and their details.





Table with columns for station name, frequency, and status. Includes stations like KAPI Kappang, KAPL Plampang, DDMP Don Marcelino, etc.

Table with columns for station name, frequency, and status. Includes stations like GNQP Brgy. Gulod. B, GNQP Bungalub, GNQP Bungalub, etc.

Table with columns for station name, frequency, and status. Includes stations like MAW Mawson, MNAI Manna, AMKA Amchika, etc.













23d 10h

Table with columns: DDEM, S, Sg, 09 38 45.9 +0.8, 09 38 48.0, comp=N, 65nm, 0.5s, Bademkaya, 1.82 25 P S, P, Sg, 09 38 22.4 -0.5, 09 38 48.3 +0.3

HEL 23 09:59:56.3:0.1, 63.06N:25.64E, h0km, ML1.1, Explosion, Finland

Main table for HEL 23 09:59:56.3:0.1, 63.06N:25.64E, h0km, ML1.1, Explosion, Finland. Columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Sumiainen, Kangasniemi, Nilsia, Ylistaro, Merijarvi, Syolatti, FINESS Array S, Vikkela, Oulu, Kankaanpaa, Ruokolahki, Joensuu, Tornio, Hemsoen, Ertjaerv, Pajala, Vasula.

IDC 23 10:00:33.6:2.8, 64.71N:31.17E, h0km, mbmp3.0/4, ML2.3/3, Error ellipse: s-maj=32.5km s-min=11.7km az=102.0

IGKR 23 10:00:33.0:1.3, 64.90N:0.04:31.1E:0.5, M2.5(MOS), The earthquakes of Russia in 2020. Obninsk, GS RAS, 2022.

HEL 23 10:00:33.0:0.2, 64.76N:30.76E, h0km, ML1.9, Explosion KOLA 23 10:00:34.0, 64.67N:30.96E, h0km, ML2.1, Error ellipse: s-maj=29.4km s-min=13.3km az=160.0, Kostomuksha, Karelia

ISC 23 10:00:33.3:0.9, 64.77N:0.02:30.54E:0.04, h0km, n30, r134/43, Finland-Karelia border region

Main table for ISC 23 10:00:33.3:0.9, 64.77N:0.02:30.54E:0.04, h0km, n30, r134/43, Finland-Karelia border region. Columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Romuvaara, Kurvinen, Riikki, Maaselka, Taivalkoski, Oulanka, Nilsia, Joensuu, Oulu, Ranua, Kovda, Vikkela, Merijarvi, Rovaniemi, Syolatti, Sumiainen, Vario, Apatity Array, Raja-Jooseppi, Ylistaro, FINESS Array B, Teriberka, ARCESS Array B.

2020 OCT

Table with columns: ARCES, comp=Z, 0.2nm, 0.3s, baz=153, slow=26, SNR=5.5, Lg, Lg, 10 03 12.2, comp=Z, 0.3nm, 0.3s, baz=153, slow=30, SNR=8.3, comp=Z, 0.4nm, 0.3s, AML, AML, 10 01 52.5 +0.6, P, Pn, 10 02 53.1 +0.9, S, S, 10 02 55.8 -1.9, S, S, 10 03 32.7 +2.3, S, S, 10 02 47.1 +1.8, S, S, comp=Z, 0.1nm, 0.3s, baz=55, slow=12, SNR=1.3, Lg, Lg, 10 05 18.3, comp=Z, 0.2nm, 0.3s, baz=70, slow=22, SNR=1.8, comp=Z, 1.6nm, 0.9s, AML, AML, 10 02 53.1 +1.1, Pn, Pn, baz=55, slow=13, SNR=2.5, comp=Z, 0.4nm, 0.3s

IDC 23 10:17:38.0:6.0, 36.41N:71.13E, h200km, 50km, mb3.2/3, mbmp3.9/9, MS3.5/1, Error ellipse: s-maj=54.5km s-min=22.3km az=49.0

NNC 23 10:17:40.5:13.0, 36.74N:70.48E, h164km, 166km, mb3.3, mpv4.2, Error ellipse: s-maj=113.2km s-min=63.9km az=15.0

ISC 23 10:17:36.9:0.9, 36.43N:0.07:70.93E:0.10, h188km, n32, r172/43, mb3.2/3, 3C-1D, Hindu Kush region

Main table for ISC 23 10:17:36.9:0.9, 36.43N:0.07:70.93E:0.10, h188km, n32, r172/43, mb3.2/3, 3C-1D, Hindu Kush region. Columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Jammu, Alchi Leh, Tissa, Thein Dam, DHARAMSHALA, Uch, Erkin-Say, Karatay Array, Bhakra, AAK, AAK, AAK, AAK, KBK, USP, SMLA, SMLA, SMLA, KLP, KLP, KLP, UTTARKASHI, KUDL, KUDL, AUM, MK31, MKAR, AB31, KURBB, BVAR, AKTO, AKTO, ZALV, ARCES, ARCES, GERES, WRA, ASAR.

JMA 23 10:25:59.7:0.2, 23.3N:0.7:12.2E, h41km, 3km, MV3.6/10, TAIWAN REGION

TAP 23 10:26:00.4:23.32N:121.86E, h34km, ML3.8, C

ISC 23 10:25:59.1:1.0, 23.31N:0.02:12.92E:0.02, h28km, 9km, n115, r08/207, Taiwan

Main table for ISC 23 10:25:59.1:1.0, 23.31N:0.02:12.92E:0.02, h28km, 9km, n115, r08/207, Taiwan. Columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Changbin, HGSDF, CHKH, CHKH, Jichi Village, TEGC, CHKT, CHKT, EYUL, EYUL, EYUL, EYUL, Warramunga Arr, EGPH, EGPH, YULB, YULB, SHUL, SHUL, EHY, EHY, Wuli, Wuli, TEYL, TEYL, WARB T Funging Township.

Main table for 2020 OCT. Columns: WARBT, Donghe, Shilin, Haiduan, Chishang, Hwalien, Ludao, Tongmen, Chiawan, Lidau, Fush Village, EOS4, Taitung, Yu-Shan, Ninganchiao, Beinan, Pinlang, Renai, Xiulin Township, Renai, Suanglung, Hehuan Shan, Aohua, Alishan, EOS3, Xinyi Township, Taoyuan, Sun Moon Lake, Nanau, Taimali, Yuchr, Wuta, EOS2, EOS2, Tachien, Techii, Tsauling, Tsauling, Ta-pu, Beigang Elemen, Ta-pu, Zhushan, Liugu, Fanu, Tsauhsan, Datong, Nan Shan, Jiashian, Mingjan, Datong, Nanshi, Suao, Gukeng, Sandimen, Taichung City, Hsinying, Doului, Dongshan, Lan-yu, Datong Township, Anshuo, Nioudou, Mashbuluo, Chiayi, Taichung, Neicheng, Yeheng, Shinhua, Sanguang, Shoushan, Zhanguhua, Liyutan, Fushanzhiwuyua, Wufeng Township, Wulai, Fangliang, Yongjun gima, Guolierlin Hig, Erlin, Nanjuang, Emei, Shuilin Township, Jiali, Guanxi Township, Manzhou Township, Shuangxi, Chigu Township, Mucha.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TWKBT Hengchun, HSN Hsinchu, NWF Wu-fen Shan, etc.

ISK 23 10:36:48.9, 38.46N, 39.29E, h4km, ML3.5/18
AFAD 23 10:36:49.2, 38.44N, 39.31E, h7km, 3km, ML3.5
ISC 23 10:36:49.2, 0.9, 38.46N, 0.02, 39.30E, 0.02, h4km, 2.6km,

Main table for Turkey stations. Columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ESJ, ESJZ, ELZ, etc.

AEIC 23 10:39:57.6, 2.2, 54.29N, 0.06, 159.52W, 0.08, h22km, 7km,
Error ellipse: s-maj=9.4km s-min=6.0km az=160.0
NEIC 23 10:39:58.3, 1.9, 54.41N, 0.07, 159.54W, 0.08, h31km, 9km,

Main table for Alaska stations. Columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CNBA Chernabura Isl, CHNA Chernabura Isl, etc.

Table for 2020 OCT stations. Columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like O15K Ungalikthiuk R, K14WH Katmai, etc.

IDC 23 10:42:41.7, 5.0, 21.62S, 179.78E, h611km, 40km, mb3.1/3,
mbtmp4.0/4, Error ellipse: s-maj=120.1km
s-min=56.9km az=142.0, South of Fiji Islands

Table for Fiji Islands stations. Columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MSVF Nonsavu, STKA Stephens Creek, etc.

GII 23 10:53:21.0, 0.0, 35.487N, 0.003, 31.808E, 0.001, h0km,
Mws2.6, confirmed
NIC 23 10:53:21.2, 35.96N, 32.40E, h14km, M12, 0/8
ISK 23 10:53:22.5, 35.80N, 32.19E, h26km, ML2.3/26
ISC 23 10:53:21.7, 1.3, 35.80N, 0.02, 32.22E, 0.04, h18km, 8km,

Main table for Cyprus region stations. Columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BOZY Bozyazi-Mersin, ALFC Alefka, etc.

Table for 23d 10h stations. Columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MVOU, SILI, EREN, etc.

IDC 23 10:58:09.8, 0.5, 54.78N, 159.76W, h0km, mb4.5/36,
mbtmp4.5/39, ML4.4/3, MS3.8/56, Error ellipse:
s-maj=14.4km s-min=9.2km az=159.0
BUI 23 10:58:11.0, 54.60N, 159.70W, h27km, mb5.3/3, mb4.8/20,

Table for NEIC stations. Columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NEIC 23 10:58:13.0, 0.5, 54.61N, 159.64W, 0.07, h26km, 4km, etc.

ISC 23 10:58:13.0, 0.5, 54.61N, 159.57W, 0.03, h25km, 3km,
n583, 0.151/454, mb4.8/260, MS3.8/52, 1C-4D, South of Alaska

Main table for Alaska stations. Columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CNBA Chernabura Isl, CHNA Chernabura Isl, etc.

23d 10h

Table with columns for location, elevation, and status. Includes entries like Kodiak Island, Kokkuk River, Okmok New Cone, etc.

2020 OCT

Table with columns for location, elevation, and status. Includes entries like Bella Bella, Wrigley, Bilibino, Campbell River, etc.

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Table with columns for location, elevation, and status. Includes entries like Hardware Ranch, Tiksi, Toone Canyon, etc.



Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like H11N2, H11N3, H11N1, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like XLT, XiLinHaoTe, X48A, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like CLL, Collm, CLL, etc.





23d 14h

Table with columns: STKA, Stephens Creek, 38.43 238 LR, LR, 13 42 15.0, etc. Includes stations like Nuku Hiva Isla, Warramunga Arr, etc.

CATAC 23 13:35:47.7±0.5, 6°N, 2°7'4W, h123km, Gkm, M3.5/7, MLV3.5/7, Error ellipse: s-maj=6.9km s-min=4.5km az=118.5, confirmed

RSNC 23 13:35:50.0±0.0, 6°N, 1°7'4W, h117km, 2km, M3.0, mb3.8, ML2.8

ISC 23 13:35:47.8±1.2, 6.34N, 0.03, 73.58W, 0.03, h126km, 6km, n37, c1923/73, Northern Colombia

Main station list table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like El Carmen, Barichara, Barrancabermej, etc.

BEO 23 14:08:16.3±0.5, 43.16N, 17.08E, h7km, 2km, ML3.4/22 ROM 23 14:08:16.6±0.5, 43.34N, 0.03, 17.62E, 0.07, h26km, 3km, ML3.7/20, Error ellipse: s-maj=5.7km s-min=3.0km az=68.0

RHSSO 23 14:08:17.9±0.4, 43.28N, 17.37E, h6km, 2km, ML3.3/8 PDG 23 14:08:17.2±0.2, 43.28N, 17.36E, h9km, MD3.6/3 ML3.5/13, Error ellipse: s-maj=0.5km s-min=1.1km az=0.0

2020 OCT

PRU 23 14:08:20.4, 43.23N, 17.38E, h10km ISC 23 14:08:16.9±1.1, 43.21N, 0.02, 17.36E, 0.01, h1km, 9km, n174, c1952/256, 31C-27D, Northwestern Balkan

Main station list table for 2020 OCT with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like Makarska, Ricice, Ston, etc.

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Main station list table for 1332 with columns: TEKS, Tekeris, 2.06 49 ePn, Pn, 14 08 53.2 +0.5, etc. Includes stations like Ivanjica, Divibare, etc.

Table with columns: CAMP, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl.

Table with columns: Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl.

Table with columns: Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl.

AEIC 23 14:23:58.7z 1.8, 5.4:42N, 0.054:159.78W, 0.07, h7km, 5.5km, Error ellipse: s-maj=6.2km s-min=5.8km az=56.0 NEIC 23 14:23:56.1z 1.4, 5.4:34N, 0.053:159.67W, 0.09, h10km, 2km, sML=16, ML3.3(AEIC), Error ellipse: s-maj=9.3km s-min=8.1km az=46.0, South of Alaska

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl.

JMA 23 14:32:45.7z 0.1, 25.1N, 0.05:123.6E, 0.3, h30km, MV2.4/6, NW OF ISHIGAKIJIMA IS, Northeast of Taiwan

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl.





Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like PEL, VA03, ELIB, etc.

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like EKA, BRTR, HYB, etc.

NOU 23 16:15:35.1, 16'00S-167'27E, h3km, MLV4.1/15, Vanuatu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like SANVU, DVP, etc.

NOU 23 16:29:54.6, 0.7, 27.53Sx67.35W, h163km, 4km, ML4.7, M4.7

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like TINO, VCA, etc.

NOU 23 16:29:56.0, 0.2, 28.52Sx67.72W, h143km, 5km, M4.9/29, mb5.0/29

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like AC02, AC02, etc.

NOU 23 16:29:57.0, 0.5, 27.56Sx67.24W, h146km, 4km, mb4.2/13, mbmp4.6/17, MS3.4/1, Error ellipse: s-maj=14.4km, s-min=8.5km, az=100.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like AC02, AC02, etc.

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like LCO, AC04, AC04, etc.





23d 18h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like JIUM, RBDL, SBL, CEVE, etc.

2020 OCT

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like APMT, 129A, 129B, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like BVAR, MKAR, WRA, ASAR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Curacav, Cerro Caljn, Ro Olivares, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MW3.3, GUC 23, TRN 23, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KOUNC, MARNC, HURO, etc.

23d 19h

Table with columns for station code, name, frequency, and other details. Includes stations like RTZ Ruatahuna, TKGZ Te Karaka, NGZ Ngauruhoe, etc.

2020 OCT

Table with columns for station code, name, frequency, and other details. Includes stations like WRA Warramunga Arr, WRA WRA, WRA WRA, etc.

1340

Table with columns for station code, name, frequency, and other details. Includes stations like MBWA Marble Bar, MBWA Marble Bar, MBWA Marble Bar, etc.





23rd 19h

Table of seismic events for 23rd 19h, listing station codes (e.g., QRZ, NNZ, TUWZ), station names, magnitudes, times, and locations (e.g., Quartz Range, Nelson, Tuamarina).

2020 OCT

Main table of seismic events for 2020 OCT, listing station codes (e.g., MORW, EDFI, GIRL), station names, magnitudes, times, and locations (e.g., Morawa, Ende, Flores, Giralia).

1342

Table of seismic events for 1342, listing station codes (e.g., QUENC, PINNC, PINNC), station names, magnitudes, times, and locations (e.g., Pines Island, Tingoa, Renbel).

Table with columns: Station Name, Time, Res, ISC. Includes stations like KWHZ Kaweka Forest, NGZ Ngaruhoe, WNVZ Wahianoa, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like NNC 23 19:35:01.7, KK31 Karatay Array, AAK Ala-Archa, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like TRN 23 19:45:14.6, BIM Bigot, SVM Savane Anatole, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like TRN 23 19:55:17.1, BIM Bigot, SVM Savane Anatole, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like SJA 23 20:37:06.2, GUC 23 20:37:14.1, ISC 23 20:37:09.1, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like CANA Caviahue, GO06 Curarrehue, GO06 Curarrehue, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like TRN 23 20:42:06.3, BIM Bigot, SLBI Saint Lucia, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like TRN 23 20:59:37.8, BIM Bigot, SLBI Saint Lucia, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like DWS Wesley, MCLT Moule a Chique, MCLT Salisbury, etc.

SJA 23 20:59:53.5, ICA 23 20:59:56.4, etc. Station information for SJA and ICA.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like PB09 IPOC Station P, PB09 IPOC Station P, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like PB03 IPOC Station P, PB01 IPOC Station P, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like PB02 IPOC Station P, PB02 IPOC Station P, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like PB11 IPOC Station P, PSCGX Pisagua, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like NLAI Namlea, SIJI Sorong, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like WRA Alice Springs, ASAR Makanchi Array, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like PACPP Pamplona Cagay, PIP Pasuquiu, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, CMAR Kappang, etc.

GUM0 Guam, SONM Songino Array, WRA Warramunga Arr, etc. Station information for GUM0, SONM, and WRA.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like H11S3 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like AAK Ala-Archa, KURBB Kurchatov Arra, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like DMDM Guralp CMGSTD, PSHK Kent House, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like HOPE Hope Point, VNA1 Neumayer-Stat, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like EF1 East Falkland, MG02 Cerro Sombrero, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like H10S2 ASCENSION HYDR6, H10S3 ASCENSION HYDR6, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like LPAZ La Paz, LPAZ La Paz, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Alice Springs, Baumata, Bau Bau, Coleen River, Dease Lake, Yreka Blue Hor, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Miner Creek, L29M, L29M, Coleen River, Dease Lake, Yreka Blue Hor, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like NLYR, NLYR, NLYR, NLYR, NLYR, etc.

24d 1h

Table with columns: AAK, Ala-Archa, comp=N,0.6nm,0.4s, 6.62 21 P, Pn, 23 46 21.3+1.6, etc.

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC

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Table with columns: PKGZ, S, Sn, 00 47 09.7+1.5, etc.

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC

1346

Table with columns: YHNB, Yeheng, 1.27 274 P, Pn, 01 01 14.6+0.1, etc.

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC



MRZ	Mangatainoka R	0.51 113	P	Pn	01 04 23.2 +0.0
MRZ			S	Sn	01 04 31.7 -0.2
MRZ			AML	AML	
MRZ			AML	AML	
FAHS	Feilding Agric	0.53 62	P	Pn	01 04 23.6 +0.2
FAHS	Palmerston Nor	0.53 76	P	Pn	01 04 23.6 +0.2
WCDS	Wanganui Civil	0.53 7	P	Pn	01 04 23.4 +0.1
EKTS	Eketanga Scho	0.60 108	P	Pn	01 04 24.5 +0.3
HOWZ	Holdsworth Sta	0.60 136	P	Pn	01 04 24.2 -0.1
HOWZ			S	Sn	01 04 34.5 +0.6
HOWZ			AML	AML	
HOWZ			AML	AML	
POWZ	Post Office Ro	0.62 84	P	Pn	01 04 24.7 +0.3
POWZ			S	Sn	01 04 34.4 +0.3
POWZ			AML	AML	
CAW	Cannon Point	0.65 173	P	Pn	01 04 24.9 +0.1
CAW			AML	AML	
CAW			AML	AML	
WAZ	Wanganui	0.71 1	P	Pn	01 04 25.6 +0.1
WAZ			AML	AML	
WAZ			AML	AML	
TWZ	Tintock	0.77 114	P	Pn	01 04 26.4 +0.1
PRWZ	Pori Road	0.77 97	P	Pn	01 04 26.6 +0.4
MTW	Mount Morrison	0.81 150	P	Pn	01 04 26.6 +0.1
WEL	Wellington	0.83 190	P	Pn	01 04 27.3 +0.3
DUWZ	D'Urville Isla	0.86 247	P	Pn	01 04 26.9 -0.5
DUWZ			AML	AML	
DUWZ			AML	AML	
TSZ	Takapari Road	0.86 62	P	Pn	01 04 27.7 +0.3
SNZO	South Karori	0.87 193	P	Pn	01 04 27.4 -0.1
SNZO	South Karori	0.87 193	P	Pn	01 04 27.6 +0.1
SNZO			Sn	Sn	01 04 39.1 -0.4
CAW	Tory Channel	0.91 215	P	Pn	01 04 28.3 -1.2
TCW	Tory Channel	0.91 215	P	Pn	01 04 28.1 +0.1
TCW			AML	AML	
TCW			AML	AML	
DVHZ	Dannevirke	0.93 80	P	Pn	01 04 28.3 0.0
BHW	Baring Head	0.95 184	P	Pn	01 04 28.6 +0.1
BHW			Sn	Sn	01 04 40.2 -1.1
BHW	Baring Head	0.95 184	P	Pn	01 04 28.7 +0.2
TMWZ	Te Maipa	0.95 133	P	Pn	01 04 28.7 +0.1
MSWZ	Moikau Station	0.98 167	P	Pn	01 04 29.2 +0.3
MSWZ			Sn	Sn	01 04 43.1 +1.1
MSWZ			Sn	Sn	01 04 43.6 +0.6
PAWZ	Moikau Station	0.98 167	P	Pn	01 04 29.7 +0.7
BFZ	Birch Farm	1.00 103	P	Pn	01 04 28.7 -0.5
BFZ	Birch Farm	1.00 103	P	Pn	01 04 28.9 -0.3
BFZ	Birch Farm	1.00 103	P	Pn	01 04 28.9 -0.3
CPWZ	Castlepoint	1.01 14	P	Pn	01 04 30.1 +0.4
TRWZ	Travelers	1.08 150	P	Pn	01 04 31.2 +1.0
LRZ	Lake Rotokare	1.09 337	P	Pn	01 04 30.9 +0.6
LRZ			AML	AML	
LRZ			AML	AML	
PNHZ	Pukenui	1.09 60	P	Pn	01 04 30.5 +0.1
PLWZ	Palliser	1.13 169	P	Pn	01 04 31.7 +0.5
PLWZ			Pn	Pn	01 04 31.1 +0.2
MTVZ	Mangateitei	1.15 20	P	Pn	01 04 31.7 +0.5
ANWZ	Angora Road	1.15 90	P	Pn	01 04 31.3 +0.2
WPHZ	Waipukurua	1.20 71	P	Pn	01 04 31.9 +0.1
PNWZ	Pokaihu	1.21 22	P	Pn	01 04 32.4 +0.2
MOVZ	Moawhango	1.22 30	P	Pn	01 04 32.4 +0.2
MOVZ	Whaniona	1.23 23	P	Pn	01 04 32.9 +0.5
TUWZ	Tuamarina	1.24 218	P	Pn	01 04 33.4 +1.2
TRVZ	Turoa	1.25 21	P	Pn	01 04 33.3 +0.6
MAVZ	Matarangi	1.28 21	P	Pn	01 04 34.0 +0.8
PREZ	Palmer Road	1.28 331	P	Pn	01 04 33.9 +1.0
PREZ			AML	AML	
PREZ			AML	AML	
BHZ	Black Hill Sta	1.29 41	P	Pn	01 04 33.6 +0.6
FRWZ	Far West T-bar	1.29 21	P	Pn	01 04 33.7 +0.5
PRWZ	Purongahau	1.29 82	P	Pn	01 04 32.9 -0.1
TUWZ	Tukinui	1.31 24	P	Pn	01 04 34.9 +1.0
COVZ	Chateau Observ	1.34 20	P	Pn	01 04 34.3 +0.6
NMEZ	Namu Road	1.34 321	P	Pn	01 04 34.6 +1.0
NMEZ			AML	AML	
NMEZ			AML	AML	
VHZ	Vera Road	1.35 353	P	Pn	01 04 34.3 +0.5
VRHZ	Kereri	1.35 33	P	Pn	01 04 34.1 +0.2
NEZ	North Egmont	1.37 330	P	Pn	01 04 35.2 +1.1
KHEZ	Kahui Hut	1.38 328	P	Pn	01 04 35.0 +0.8
KHEZ	Kahui Hut	1.38 328	P	Pn	01 04 35.3 +1.0
NGZ	Ngauruhoe	1.38 21	P	Pn	01 04 35.0 +0.6
SNWZ	South Ngauruhoe	1.39 22	P	Pn	01 04 35.0 +0.5
DREZ	Durham Road	1.40 335	P	Pn	01 04 35.5 +1.0
CMWZ	Cape Campbell	1.40 204	P	Pn	01 04 35.3 +0.7
CMWZ	Cape Campbell	1.40 204	P	Pn	01 04 35.4 +0.9
OTVZ	Otureare	1.41 23	P	Pn	01 04 35.6 +0.9
NNZ	Nelson	1.42 237	P	Pn	01 04 34.7 +0.1
NNZ	Nelson	1.42 237	P	Pn	01 04 34.8 +0.1
NNZ			AML	AML	
NNZ			AML	AML	
VTWZ	West Tongariro	1.43 20	P	Pn	01 04 35.6 +0.6
TWVZ	Tauarewa	1.44 15	P	Pn	01 04 35.2 +0.1
ETVZ	East Tongariro	1.46 324	P	Pn	01 04 36.2 +1.0
NBVZ	Newall Road No	1.46 324	P	Pn	01 04 36.1 -1.2
TMVZ	Te Maari	1.46 23	P	Pn	01 04 36.4 +1.0
KRVZ	Karewarewa	1.46 21	P	Pn	01 04 36.1 +0.7
NTVZ	North Tongariro	1.47 22	P	Pn	01 04 36.5 +0.9
MHEZ	Mangaheva	1.47 340	P	Pn	01 04 36.8 +1.4
MHEZ			AML	AML	
MHEZ			AML	AML	
PKE	Pukeiti	1.47 329	P	Pn	01 04 36.4 +0.9
PKE			AML	AML	
PKE			AML	AML	
BSWZ	Blackbirch Sta	1.50 213	P	Pn	01 04 35.9 +0.2
BSWZ	Blackbirch Sta	1.50 213	P	Pn	01 04 35.9 +0.2
PXZ	Pawanui	1.52 74	P	Pn	01 04 35.5 -0.5
KWHZ	Kaweka Forest	1.53 46	P	Pn	01 04 36.5 +0.2
KATZ	Kakaramea	1.59 21	P	Pn	01 04 37.9 +0.8
KAHZ	Kahurangi	1.61 66	P	Pn	01 04 37.1 -0.2
TKNZ	Takaka Hill	1.62 249	P	Pn	01 04 37.8 +0.3
TKNZ	Takaka Hill	1.62 249	P	Pn	01 04 37.8 +0.3
TKNZ			AML	AML	
TKNZ			AML	AML	
RITZ	Rihia Road	1.64 25	P	Pn	01 04 38.6 +0.9
MCHZ	McNeill Hill	1.68 53	P	Pn	01 04 38.4 +0.2
RAVZ	Rangitikeia	1.71 43	P	Pn	01 04 39.0 +1.0
BKZ	Black Stump Fm	1.75 43	P	Pn	01 04 39.1 -0.2
BKZ	Black Stump Fm	1.75 43	P	Pn	01 04 39.3 +0.1
CKHZ	Cape Kidnapper	1.81 64	P	Pn	01 04 40.0 0.0
WATZ	Wairara	1.85 19	P	Pn	01 04 41.6 +1.0
QRZ	Quartz Range	1.89 258	P	Pn	01 04 40.7 -0.3
QRZ	Quartz Range	1.89 258	P	Pn	01 04 40.9 -0.1
QRZ			AML	AML	
QRZ			AML	AML	
MRNZ	Matariki Terra	1.92 240	P	Pn	01 04 41.8 +0.4
MRNZ	Matariki Terra	1.92 240	P	Pn	01 04 41.9 +0.4
HIZ	Hauti	1.95 358	P	Pn	01 04 41.9 0.0
HIZ	Hauti	1.95 358	P	Pn	01 04 42.5 +0.6
HIZ	Hauti	1.95 358	P	Pn	01 04 42.5 +0.6
WHZ	Whakaora	1.95 23	P	Pn	01 04 43.3 +1.3
NMHZ	Naumai	1.97 47	P	Pn	01 04 42.3 +0.1
ARHZ	Arapouani	1.97 43	P	Pn	01 04 41.9 +0.2
MRHZ	Matea Rd	1.98 35	P	Pn	01 04 42.0 -0.3
THZ	Tophouse	2.03 229	P	Pn	01 04 42.8 -0.2
THZ	Tophouse	2.03 229	P	Pn	01 04 43.0 0.0
KUTZ	Kaahu Road	2.08 19	P	Pn	01 04 46.4 +2.7
WPRZ	Whakapapatarin	2.15 26	P	Pn	01 04 44.9 +0.2
MTHZ	Maungataniwha	2.18 43	P	Pn	01 04 45.0 +1.0
TLZ	Tolley Road	2.18 12	P	Pn	01 04 45.5 +0.5
ALRZ	Allen Road	2.18 30	P	Pn	01 04 44.8 -0.2
KHZ	Kahutara	2.23 208	P	Pn	01 04 44.5 -1.1
KHZ	Kahutara	2.23 208	P	Pn	01 04 45.2 -0.3
KHZ	Kahutara	2.23 208	P	Pn	01 04 45.3 -0.3
WHZH	Waihua	2.25 52	P	Pn	01 04 45.4 -0.6
PRRZ	Plateau Road	2.25 30	P	Pn	01 04 45.9 -0.1
GRRZ	Galatos Road	2.29 23	P	Pn	01 04 47.4 +0.6
HRRZ	Hancock Road	2.31 27	P	Pn	01 04 47.4 +0.6
RTZ	Ruatuhuna	2.42 41	P	Pn	01 04 47.6 -0.8
RTZ	Ruatuhuna	2.42 41	P	Pn	01 04 47.6 -0.8
MUGZ	Murupara	2.43 36	P	Pn	01 04 47.3 -1.1
RRRZ	Republican Roa	2.44 30	P	Pn	01 04 48.8 +0.2
TARZ	Mount Tarawera	2.53 29	P	Pn	01 04 51.2 +1.3
KNZ	Kokohu	2.54 56	P	Pn	01 04 48.4 -1.4
DSZ	Dennistown Nort	2.71 241	P	Pn	01 04 51.5 -0.8

PRGZ	Paritu Road	2.73 57	P	Pn	01 04 50.9 -1.7
URZ	Urewera	2.76 38	P	Pn	01 04 50.9 -2.0
URZ			S	Sn	01 05 19.9 -5.2
URZ	192nm,0.5s,baz=234,slow=20,SNR=17		LR	LR	01 05 55.3
URZ	comp=Z,76nm,21.4s,baz=221,slow=42		Pn	Pn	01 04 51.9 -1.0
URZ	Urewera	2.76 38	P	Pn	01 04 53.2 +0.2
TOZ	Tahuroa Road	2.76 9	P	Pn	01 04 51.9 -1.4
RIGZ	Rimuau	2.79 52	P	Pn	01 04 53.6 -1.0
GVZ	Greta Valley S	2.89 209	P	Pn	01 05 18.8 +3.9
RPZ	Rata Peaks	4.36 221	P	Pn	01 05 59.6 -4.8
RPZ	7.6nm,0.4s,baz=38,slow=19,SNR=8.7		S	Sn	01 05 13.9 -0.9
RPZ	16nm,0.3s,baz=324,slow=23,SNR=14		Pn	Pn	01 05 12.5 -2.3
RPZ	Rata Peaks	4.36 221	P	Pn	01 05 28.8 +0.5
RPZ	Rata Peaks	4.36 221	P	Pn	01 05 28.1 -3.3
OUZ	Ohahua Downs	5.57 213	P	Pn	01 05 30.6 -1.2
ODZ	Ohahua Downs	5.57 213	P	Pn	01 05 50.4 -1.4
CTZ	Chatham Island	7.06 120	P	Pn	01 05 54.7 -1.7
CTZ	Chatham Island	7.06 120	P	Pn	01 08 37.5 -0.1
SYZ	Scrubby Hill	7.04 213	P	Pn	01 09 06.8 -2.2
DZM	Mont Dzumac	19.71 336	P	Pn	01 09 09.4
6.5nm,1.0s,baz=161,slow=14.3,SNR=2.5			P	P	01 09 28.0 -0.9
MSVZ	Nonsavu	22.81 8	Iamb	Iamb	01 09 30.2 +1.2
MSVZ			Iamb	Iamb	01 09 47.7
NIUE	Niue	24.95 36	P	P	01 09 28.0 -0.9
EIDS	Eidsvold	24.96 300	P	P	01 09 30.2 +1.2
EIDS			Iamb	Iamb	01 09 47.7
CTA	Charters Tower	31.82 301	LR	LR	01 21 58.4
comp=Z,4.8nm,0.8s					
VNDA	Vanda	37.57 185	P	P	01 11 20.9 +1.8
comp=Z,0.4nm,0.4s,baz=18,slow=8.4,SNR=9.6					
VNDA	Vanda	37.57 185	P	P	01 11 18.6 -0.5
VNDA			Iamb	Iamb	01 11 31.7
AS31	Alice Springs	38.23 283	P	P	01 11 25.6 +0.2
AS31			Iamb	Iamb	01 11 25.9
comp=Z,1.6nm,0.4s					
ASAR	Alice Springs	38.23 283	P	P	01 11 25.6 +0.2
comp=Z,2.2nm,0.4s,baz=130,slow=7.8,SNR=23			PcP	PcP	01 13 37.0 -1.7
ASAR			ScP	ScP	01 17 18.2 -2.9
comp=Z,0.3nm,0.3s,baz=108,slow=3.8,SNR=1.6					
ASAR			ScP	ScP	01 17 18.2 -2.9
comp=Z,2.2nm,0.4s					
ASAR	Alice Springs	38.23 283	P	P	01 11 24.4 -0.9
PRGZ	Port Moresby	39.57 314	LR	LR	01 27 48.3
comp=Z,4.9nm,1.8s,baz=67,slow=13.3,SNR=1.8					
WRM	Warramunga Ar	40.06 288	P	P	01 11 40.5 -0.1
WRM	Warramunga Ar	40.19 288	P	P	01 11 41.3 -0.4
comp=Z,1.6nm,0.6s,baz=127,slow=8.1,SNR=17			PcP	PcP	01 13 46.6 +1.7
WRA			PcP	PcP	01 17 26.3 -2.4
comp=Z,0.2nm,0.4s,baz=138,slow=2.7,SNR=18.1					
WRA			ScP	ScP	01 11 41.5 -0.7
comp=Z,0.5nm,0.8s,baz=126,slow=4.0,SNR=3.5					
WBO	Warramunga Ar	40.26 289	P	P	01 11 58.4
WBO			Iamb	Iamb	01 11 58.4
comp=Z,2.5nm,0.6s					
FITZ	Fitzroy Crossi	47.73 283	LR	LR	01 33 18.9
comp=Z,3.9nm,1.					

Table with columns: Code, Station Name, Az, Phase, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Kuril'sk, Nemuro-2, Kuril'sk, Nemuro-Hokkai, etc.

Table with columns: G31M, Satah River, 45.50 33, P, Iamb, P, 01 41 42.1 -0.3. Includes stations like Borovoye Array, Arslanbob, Karatay Array, etc.

IDD 24 01:35:24.0-7.62'10S:57'75W, h0km, mb4.1/12, mbmp4.1/13, ML3.6/1, MS3.8/24, Error ellipse: s-maj=22.6km s-min=14.6km az=97.0

NEIC 24 01:35:26.0-1.9, 62'33S:0'05:58'1W:0.2, h10km, mb4.6/7, Error ellipse: s-maj=19.3km s-min=8.1km

ISC 24 01:35:26.2-0.5, 62'22S:0'06:57'87W:0.09, h10km, n66, c1616/42, mb4.0/20, MS3.8/24, 4C-2D, South Shetland Islands

Table with columns: Code, Station Name, Az, Phase, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Palmer Station, East Falkland, Isla Dawson, etc.

Table with columns: CPUP, Villa Florida, 35.89 1 P, P, 01 42 25.9 -1.0. Includes stations like Vanda, Mawson, Karatay Array, etc.

VIE 24 01:36:18.2-0.6, 50'19N:19'23E, h0km, mb2.5/6, ml2.5/7, ml2.4/7, ms3.7/1, Error ellipse: s-maj=8.5km s-min=2.5km az=161.0 12 km SE of Sosnowice Suspected Mining induced.

IPEC 24 01:36:18.4-0.1, 50'11N:19'27E, h1km, ML2.6/7, Error ellipse: s-maj=1.4km s-min=0.8km az=179.0

PRU 24 01:36:19.1, 50'14N:19'25E, h0km

ISC 24 01:36:18.2-0.6, 50'13N:0'03:19'26E:0.02, h0km, n46, c1902/73, 7C-2D, Poland

Table with columns: Code, Station Name, Az, Phase, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Ojcow, Ostrava-Krasne, Steborice, etc.



Table with columns: CAME, DUVT, KTHR, etc. Includes station names like Torbali, Kythira, DENIZLI\_Tavas, etc. and various parameters like time, frequency, and status.

Table with columns: LISJ, GHAJ, GHAJ, etc. Includes station names like Ghor Haditha, Podgorica, Zfri, etc. and various parameters like time, frequency, and status.

Table with columns: NEIC 24 02:49:00.0, 9.0, 38;72N, 0.03;97.06W, etc. Includes station names like Kansas State U, Long Quarter, etc. and various parameters like time, frequency, and status.



Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like PBEJ Beja, PMTG Montargil, PVAQ Vaqueiros, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like IDC 24 04:01:04.0, AEIC 24 01:06.0, NEIC 24 04:01:05.2, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like SII Sitkinak Islan, KDKAD Kodiak Islan, J18K Innoko River, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like PV02 Paradox Valley, SPITS Spitsbergen Arr, EPLO Experimental L, etc.



Table with columns: Code, Station Name, Az, El, P, S, Time, Res, IAML, etc. Includes stations like VA03, VA03, VA03, etc.

Table with columns: CTZ, Station Name, Az, El, P, S, Time, Res, IAML, etc. Includes stations like Chatham Island, GVZ, Greta Valley S, etc.

Table with columns: SOEI, Station Name, Az, El, P, S, Time, Res, IAML, etc. Includes stations like Soe, SANI, SANI, etc.

BUI 24 04:59:48.0, 18:10S:178:40W, h582km, mb4.9/6, mb4.9/29

NEIC 24 04:59:51.5, 18:18S:178:40W:0.08, h591km, mb4.9/6, mb4.9/29

NOU 24 04:59:51.7, 18:03S:178:39W, h593km, mb4.9/85, Fiji Islands Region

ISC 24 04:59:51.8, 18:07S:178:41W:0.05, h603km, mb4.9/85, Fiji Islands Region

Table with columns: Code, Station Name, Az, El, P, S, Time, Res, IAML, etc. Includes stations like LKBA, DGTI, DGTI, etc.

Table with columns: CTZ, Station Name, Az, El, P, S, Time, Res, IAML, etc. Includes stations like ARMA, AUPHS, SYDH, etc.

Table with columns: SOEI, Station Name, Az, El, P, S, Time, Res, IAML, etc. Includes stations like VANDA, VANDA, VANDA, etc.

Table with columns: Station ID, Name, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Status, Date, Time, and other parameters. Includes stations like RED Redoubt Volcan, N19K Bonanza Creek, I05D Terrebonne, etc.

Table with columns: Station ID, Name, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Status, Date, Time, and other parameters. Includes stations like TCUT Toone Canyon, P32M Atlin, Q32M Nakina River, etc.

Table with columns: Station ID, Name, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Status, Date, Time, and other parameters. Includes stations like D19K Kuna River, K29M Barlow Dome, MNHN Monahans, etc.

Table of astronomical observations for 2020 OCT, columns include station name, time, magnitude, and other parameters.

Table of astronomical observations for 2020 OCT, columns include station name, time, magnitude, and other parameters.

Table of astronomical observations for 2020 OCT, columns include station name, time, magnitude, and other parameters.

24h 6h

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, SOEO, Opoqueri, 1.83 9 P Pn, 06 31 20.9 0.0, AKBBA, Sn, 06 49 50.0 +2.4

SJA 24 06:30:44.3-0.5, 20.35Sx68.20W, h177km, 3km, ML3.5, MW3.5

SCB 24 06:30:45.2-1.5, 20.42Sx68.03W, h159km, 16km, MB4.0, ML3.9/3, Error ellipse: s-maj=7.8km s-min=5.4km az=1.0

ISC 24 06:30:44.9-1.4, 20.38S, 0103.68, 18W, 0.05, h182km, 11km, n48, c193077, 5C, Chile-Bolivia border region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, SOEO, Opoqueri, 1.83 9 P Pn, 06 31 20.9 0.0, AKBBA, Sn, 06 49 50.0 +2.4

2020 OCT

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, SOEO, Opoqueri, 1.83 9 P Pn, 06 31 20.9 0.0, AKBBA, Sn, 06 49 50.0 +2.4

ISC 24 06:48:10.7-1.3, 54.33N, 159.74W, h0km, mb3.7/6, mbmp3.7/10, ML3.8/4, Error ellipse: s-maj=27.7km s-min=16.6km az=163.0

NEIC 24 06:48:11.0-1.7, 54.08N, 0104.159, 59W, 0.09, h21km, 10km, mb4.0/7, ML3.7/32, ML3.5(AEIC), Error ellipse: s-maj=9.3km s-min=4.3km az=127.0

AEIC 24 06:48:12.4-1.4, 54.05N, 0106.159, 59W, 0.09, h17km, 6km, Error ellipse: s-maj=10.1km s-min=6.2km az=147.0

ISC 24 06:48:10.8-0.7, 54.11N, 0106.159, 59W, 0.04, h10km, n115, c1914/117, mb4.1/8, South of Alaska

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, SOEO, Opoqueri, 1.83 9 P Pn, 06 31 20.9 0.0, AKBBA, Sn, 06 49 50.0 +2.4

1356

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, SOEO, Opoqueri, 1.83 9 P Pn, 06 31 20.9 0.0, AKBBA, Sn, 06 49 50.0 +2.4

Table with columns: Station Name, Location, Time, Res, ISC, and various codes. Includes stations like SDPT Sand Point, VNKR Veniaminof, and many others.

Table with columns: Station Name, Location, Time, Res, ISC, and various codes. Includes stations like INK Inuvik, C36M Pauluit, and many others.

Table with columns: Station Name, Location, Time, Res, ISC, and various codes. Includes stations like EDPE Pejibaye, SAJE San Jernim, and many others.

24d 7h

Table of seismic events with columns: Station, Location, Time, Magnitude, Depth, Distance, etc. Includes stations like POPC, ORTC, CUMB, etc.

2020 OCT

Table of seismic events for 2020 OCT, including stations like DBIC, SPITS, TAM, VRAC, etc.

TAP 20 07:32:15.6, 22.45N, 121.04E, h9km, ML3.6, C
ISC 24 07:32:15.4, 1.1, 22.48N, 121.02E, h11km, 10km,
n110, e0689/212, 4C-5D, Taiwan region

Main table of seismic events with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, etc. Includes stations like ECL, TAW, TAWH, etc.

1358

Table of seismic events for 1358, including stations like WBYT, WARBT, WAGK, etc.

UCR 24 07:46:35.0, 0.8, 8.04N, 82.73W, h25km, 3km, MW3.7,
Presumed earthquake
UPA 24 07:46:35.2, 0.9, 8.06N, 82.73W, h34km, 3km, MW3.6,
Presumed earthquake
CATAC 24 07:46:36.0, 0.6, 8.13N, 83.37W, h14km, 1km, M3.5/1.3,
ML3.5/1.3, Error ellipse: s-maj=7.1km s-min=3.4km az=8.4,
confirmed

Table of seismic events for 1358 with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, etc. Includes stations like LMNES, LIMOS, etc.





24d 8h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MNK, MNK, MNSK, etc.

2020 OCT

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like WMEI, JBK, CHEFC, etc.

1360

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like FAO, ASUD, SOHO, etc.

SFS 24 08:00:07.3, 34.84N, 3.89W, h1km, ML2.6/14, ML2.8/14, ML2.8/9
MDD 24 08:00:07.8, 1.2, 34.81N, 3.99W, h0km, mb\_Lg2.5/10, Error ellipse: s-maj=9.9km s-min=4.4km az=175.0
CNRM 24 08:00:08.3, 34.86N, 3.97W, h23km, ML2.8
INMG 24 08:00:08.7, 1.3, 34.84N, 3.96W, h2km, ML2.1, Error ellipse: s-maj=4.8km s-min=3.3km az=108.0
#DIST\_RANGE: REGIONAL #PMA\_REGION: S AI Hoceima (MARR)
ISC 24 08:00:07.7, 1.0, 34.83N, 0.02, 3.90W, 0.03, h15km, 8km, n52, c096/86, Morocco

ISC 24 08:01:33.7, 28.0, 27.91N, 56.67E, h0km, mb3.6/3, mbmp3.6/3, Error ellipse: s-maj=546.1km s-min=46.8km az=176.0
DSN 24 08:01:33.4, 1.1, 27.62N, 57.02E, h10km, ML3.4/8, Error ellipse: s-maj=35.8km s-min=7.6km az=120.0
TEH 24 08:01:34.8, 27.58N, 56.76E, h19km, 29km, ML3.5, Presumed earthquake
OMAN 24 08:01:37.4, 1.0, 27.42N, 56.91E, h10km, mb3.3/3, mb3.5/21, Error ellipse: s-maj=9.3km s-min=6.8km az=162.0
ISC 24 08:01:33.9, 1.4, 27.61N, 56.85E, 0.05, h10km, 10km, n50, c169/76, mb3.6/3, Southern Iran

IDC 24 08:21:57.1, 0.5, 2.03S, 138.35E, h0km, mb4.4/18, mbtmp4.5/23, ML3.4/3, MS3.8/36, Error ellipse: s-maj=15.2km s-min=10.2km az=52.0
BUJ 24 08:21:59.9, 2.35S, 138.40E, h39km, mb5.2/5, mb4.9/34, Ms5.3/1, Ms7.5/0/1
DJA 24 08:22:01.6, 0.3, 2.3S, 133.8E, h27km, 2km, M5.2/68, mb4.9/68, mb5.8/23, MLV4.9/13, Mw(MB)5.3/23, Mw(MWP)5.1/1, Mwps.3/1
GFZ 24 08:22:01.1, 0.2, 2.3S, 133.8E, h24km, M4.7/38, NEIC 24 08:22:04.1, 1.5, 2.06S, 0.09, 138.26E, 0.08, h39km, 6km, mb4.8/35, Error ellipse: s-maj=13.6km s-min=10.9km az=194.0
ISC 24 08:22:02.4, 0.3, 2.09S, 0.05, 138.38E, 0.04, h36km, n211, c1841/197, mb4.8/64, MS3.8/29, 1C-1D, Irian Jaya

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Genyem, Sorong, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MTSU Mount Surprise, EDFI Ende Flores, TOLIZ Tolitoli, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MOO Moorlands, KCSI Kotacane Aceh, MSVF Nonsavu, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like NRIR, AB31 Akbulak array, ABKAR Akbulak array, etc.

NOU 24 09:36:34.8, 36:46:178.78E, h160km, ML4.0/12, Off E. Coast of N. Island, NZ.

IDC 24 09:36:36.94, 4, 36:82S, 179:09E, h162km, 31km, mb3.5/3, mbmp4.0/4, MS2.4/1, Error ellipse: s-maj=54.4km

ISC 24 09:36:36.1, 3.3651S, 0.08178E, 75E, 0.009, h164km, 7km, n120, r135/130, mb3.8/3, Off east coast of North Island

WEL 24 09:36:36.2, 0.9, 36:59.9, 17:9E, h121km, 16km, M4.0/27, ML4.0/26, MLv4.0/27, Error ellipse: s-maj=14.8km

WEL 24 09:36:36.2, 0.9, 36:59.9, 17:9E, h121km, 16km, M4.0/27, ML4.0/26, MLv4.0/27, Error ellipse: s-maj=14.8km

WEL 24 09:36:36.2, 0.9, 36:59.9, 17:9E, h121km, 16km, M4.0/27, ML4.0/26, MLv4.0/27, Error ellipse: s-maj=14.8km

WEL 24 09:36:36.2, 0.9, 36:59.9, 17:9E, h121km, 16km, M4.0/27, ML4.0/26, MLv4.0/27, Error ellipse: s-maj=14.8km

WEL 24 09:36:36.2, 0.9, 36:59.9, 17:9E, h121km, 16km, M4.0/27, ML4.0/26, MLv4.0/27, Error ellipse: s-maj=14.8km

WEL 24 09:36:36.2, 0.9, 36:59.9, 17:9E, h121km, 16km, M4.0/27, ML4.0/26, MLv4.0/27, Error ellipse: s-maj=14.8km

WEL 24 09:36:36.2, 0.9, 36:59.9, 17:9E, h121km, 16km, M4.0/27, ML4.0/26, MLv4.0/27, Error ellipse: s-maj=14.8km

WEL 24 09:36:36.2, 0.9, 36:59.9, 17:9E, h121km, 16km, M4.0/27, ML4.0/26, MLv4.0/27, Error ellipse: s-maj=14.8km

WEL 24 09:36:36.2, 0.9, 36:59.9, 17:9E, h121km, 16km, M4.0/27, ML4.0/26, MLv4.0/27, Error ellipse: s-maj=14.8km

WEL 24 09:36:36.2, 0.9, 36:59.9, 17:9E, h121km, 16km, M4.0/27, ML4.0/26, MLv4.0/27, Error ellipse: s-maj=14.8km

WEL 24 09:36:36.2, 0.9, 36:59.9, 17:9E, h121km, 16km, M4.0/27, ML4.0/26, MLv4.0/27, Error ellipse: s-maj=14.8km

WEL 24 09:36:36.2, 0.9, 36:59.9, 17:9E, h121km, 16km, M4.0/27, ML4.0/26, MLv4.0/27, Error ellipse: s-maj=14.8km

WEL 24 09:36:36.2, 0.9, 36:59.9, 17:9E, h121km, 16km, M4.0/27, ML4.0/26, MLv4.0/27, Error ellipse: s-maj=14.8km

WEL 24 09:36:36.2, 0.9, 36:59.9, 17:9E, h121km, 16km, M4.0/27, ML4.0/26, MLv4.0/27, Error ellipse: s-maj=14.8km

WEL 24 09:36:36.2, 0.9, 36:59.9, 17:9E, h121km, 16km, M4.0/27, ML4.0/26, MLv4.0/27, Error ellipse: s-maj=14.8km

WEL 24 09:36:36.2, 0.9, 36:59.9, 17:9E, h121km, 16km, M4.0/27, ML4.0/26, MLv4.0/27, Error ellipse: s-maj=14.8km









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Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes entries like PPT2 Papeete2, RAR Rarotonga, TAOE Nuku Hiva Isla, etc.

NEIC 24 10:41:32.4±1.4, 54.19N, 0.04±159.77W, 0.08, h23km, 1.1km, mb3.5/6, ML3.3/26, ML3.2(AEIC), Error ellipse: s-maj=7.3km s-min=4.7km az=117.0

AEIC 24 10:41:32.2±1.9, 54.24N, 0.04±159.83W, 0.07, h32km, 7km, Error ellipse: s-maj=6.1km s-min=5.5km az=98.0

ISC 24 10:41:32.8±1.8, 54.19N, 0.08±159.75W, 0.06, h26km, 1.3km, n82, 0.60/95, South of Alaska

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes entries like CNBA Chernabura Isl, CHNA Chernabura Isl, SDPT Sand Point, etc.

2020 OCT

Table with columns: CHGN, Chignik, 2.25, 19, Pn, IAML, 10 42 08.3, 0.0, 10 42 45.4, etc. Includes entries like CHGN Chignik, ISNN Isanotski Nort, etc.

ISC 24 10:52:47.9±1.2, 36.15S, 98.30W, h0km, mb4.1/1.5, mbmp4.1/5, MS3.9/13, Error ellipse: s-maj=37.1km s-min=27.5km az=56.0

NEIC 24 10:52:49.6±0.7, 36.30S, 98.07W, 0.2, h10km, 2km, mb4.4/2.4, Error ellipse: s-maj=32.1km s-min=12.0km az=278.0

GCMT 24 10:52:50.6±0.3, 36.44S, 98.02W, 0.2, h13km, 1km, MW4.9/88, Moment tensor: Solution. s31,c32; s88,c120; Duration: 0 Moment tensor: Scale 10^16Nm; M1=1.42E-17; M2=0.74E-14; M3=0.67E-12; M4=0.26E-28; M5=2.81E-10; M6=0.18E-25; Best double couple: M2,67200x10^16; M3,252x10^16; M4,252x10^16; M5,1500000x10^16; M6,92.00000x10^16; 0.75,0.00000x10^16; 1-15.00000x10^16; NP2: 0.92,00000x10^16; 0.76,00000x10^16; 1.164,00000x10^16; Principal axes: T 3.5190, P1g1.00000x10^16; Azm225.00000x10^16; N -1.2970, P1g69.00000x10^16; Azm31.00000x10^16; P -2.2260, P1g21.00000x10^16; Azm315.00000x10^16; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 24 10:52:50.2±1.0, 36.35S, 98.19W, 0.2, h10km, n48, 0.092/32, mb4.3/17, MS4.0/12, Southeast of Easter Island

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes entries like H31M Peel River, G30M Atoh Zraii Nji, C27K Jago River, etc.

24d 11h

Table with columns: COYC Coyhaique, 21.71, 123, P, Iamb, 10 57 40.6, -0.7, 10 57 52.5, etc. Includes entries like COYC Coyhaique, PLCA Paso Flores, etc.

ISC 24 10:58:01.2±3.3, 24.42N, 109.64W, h0km, mbtmp2.8/3, ML3.6/3, Error ellipse: s-maj=63.7km s-min=14.2km az=148.0, Gulf of California

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes entries like LP1G La Paz, TXAR Lajitas Array, etc.

ISC 24 11:06:42.5±7.5, 37.58S, 176.93E, h0km, mb4.2/4, mbmp4.2/4, Error ellipse: s-maj=164.5km s-min=14.2km az=62.0

NEIC 24 11:06:44.2±1.3, 38.51S, 0.06±177.62E, 0.08, h56km, 9km, mb4.6/17, Error ellipse: s-maj=9.3km s-min=7.7km az=120.0

NOU 24 11:06:45.6, 38.45S, 177.73E, h34km, MLv4.1/10, North Island, New Zealand

WEL 24 11:06:46.1±0.5, 38.3S, 177.8E, h52km, 5km, M4.2/118, ML4.2/24, MLv4.2/118, Error ellipse: s-maj=4.4km s-min=2.9km az=140.8, confirmed

ISC 24 11:06:45.9±0.7, 38.40S, 0.03±177.65E, 0.03, h78km, 5km, M4.2/28, 1890/247, mb4.5/14, North Island

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes entries like MWZ Matawai, MWZ Matawai, MWZ Matawai, etc.

24d 11h

RTZ	Ruatahuna	0.57	248	P	Pn	11 06 59.3	-0.6
RTZ				S	Sn	11 07 10.0	-0.4
RTZ				AML	AML		
PUZ	Puketiti	0.58	55	P	Pn	11 06 59.0	-0.8
PUZ				S	Sn	11 07 08.9	-1.5
PUZ				AML	AML		
PUZ				AML	AML		
KNZ	Kokohu	0.62	179	P	Pn	11 07 00.4	+0.2
KNZ				AML	AML		
KNZ				AML	AML		
PKGZ	Pakihiroa	0.63	32	P	Pn	11 06 59.3	-1.1
PKGZ				S	Sn	11 07 09.5	-1.8
PKGZ				AML	AML		
PKGZ				AML	AML		
HAZ	Te Kaha	0.65	9	P	Pn	11 06 59.2	-1.4
HAZ				S	Sn	11 07 09.2	-2.4
HAZ				AML	AML		
RAHZ	Arahi	0.68	221	P	Pn	11 07 01.2	+0.3
RAHZ				S	Sn	11 07 12.9	+0.7
RAHZ				AML	AML		
RAHZ				AML	AML		
MUGZ	Murupara	0.70	264	P	Pn	11 07 00.3	-0.7
MUGZ				S	Sn	11 07 11.2	-1.3
MUGZ				AML	AML		
MUGZ				AML	AML		
WHHZ	Waihua	0.75	206	P	Pn	11 07 02.2	+0.6
WHHZ				AML	AML		
WHHZ				AML	AML		
WHRZ	Whale Island	0.76	315	P	Pn	11 07 00.5	-1.2
WHRZ				AML	AML		
WHRZ				AML	AML		
MHGZ	Mahia Peninsul	0.78	165	P	Pn	11 07 02.6	+0.7
MHGZ				AML	AML		
MHGZ				AML	AML		
EDRZ	Edgumbe	0.78	292	P	Pn	11 07 01.0	-0.9
EDRZ				S	Sn	11 07 12.1	-2.1
EDRZ				AML	AML		
EDRZ				AML	AML		
MTHZ	Maungataniwha	0.78	235	P	Pn	11 07 02.1	+0.1
MTHZ				S	Sn	11 07 14.6	+0.4
MTHZ				AML	AML		
MTHZ				AML	AML		
WMGZ	Waiomatatini S	0.84	46	P	Pn	11 07 01.9	-0.7
WMGZ				S	Sn	11 07 14.0	-1.1
WMGZ				AML	AML		
WMGZ				AML	AML		
MARZ	Manawahe	0.88	298	P	Pn	11 07 01.8	-1.3
MARZ				AML	AML		
MARZ				AML	AML		
RRRZ	Republican Roa	0.90	274	P	Pn	11 07 02.6	-0.7
RRRZ				AML	AML		
RRRZ				AML	AML		
TARZ	Mount Tarawera	0.92	280	P	Pn	11 07 03.1	-0.5
TARZ				AML	AML		
TARZ				AML	AML		
WIZ	White Island	0.95	337	P	Pn	11 07 02.1	-1.7
WIZ				AML	AML		
WIZ				AML	AML		
NMHZ	Naumai	0.96	223	P	Pn	11 07 04.8	+0.8
NMHZ				S	Sn	11 07 19.9	+2.0
NMHZ				AML	AML		
NMHZ				AML	AML		
MKRZ	Makatiti	0.97	285	P	Pn	11 07 03.8	-0.4
MKRZ				AML	AML		
MKRZ				AML	AML		
MXZ	Matakaoa Point	0.98	32	P	Pn	11 07 03.4	-0.9
MXZ				S	Sn	11 07 17.2	-1.0
MXZ				AML	AML		
MXZ				AML	AML		
MXZ				Sn	Sn	11 07 17.1	-1.0
MXZ				Pn	Pn	11 07 03.7	-0.6
PRRZ	Plateau Road	0.99	264	P	Pn	11 07 03.9	-0.5
PRRZ				AML	AML		
PRRZ				AML	AML		
ARHZ	Aropoanui	1.00	211	P	Pn	11 07 05.2	+0.7
ARHZ				S	Sn	11 07 20.2	+2.0
ARHZ				AML	AML		
ARHZ				AML	AML		
HLRZ	Highlands Stat	1.03	278	P	Pn	11 07 04.3	-0.6
HLRZ				AML	AML		
ALRZ	Allen Road	1.04	261	P	Pn	11 07 04.6	-0.4
ALRZ				S	Sn	11 07 18.4	-1.2
ALRZ				AML	AML		
ALRZ				AML	AML		
MRHZ	Matea Rd	1.06	246	P	Pn	11 07 05.1	-0.1
MRHZ				S	Sn	11 07 19.5	-0.5
MRHZ				AML	AML		
MRHZ				AML	AML		
LIRZ	Lichensteins R	1.08	291	P	Pn	11 07 04.5	-0.9
LIRZ				AML	AML		
HLRZ	Handcock Road	1.08	270	P	Pn	11 07 04.8	-0.6
HLRZ				AML	AML		
UTU	Utuhina	1.17	281	P	Pn	11 07 06.4	-0.2
UTU				AML	AML		
KARZ	Kaharoa	1.17	289	P	Pn	11 07 05.7	-1.0
KARZ				AML	AML		
WPRZ	Whakapapatarin	1.18	264	P	Pn	11 07 06.3	-0.3
WPRZ				AML	AML		
BKZ	Black Stump Fm	1.19	230	P	Pn	11 07 06.9	+0.1
BKZ				AML	AML		
BKZ				AML	AML		
NGRZ	Nngongotaha	1.19	284	P	Pn	11 07 06.6	-0.3
NGRZ				AML	AML		
GRRZ	Galatos Road	1.22	272	P	Pn	11 07 07.0	-0.2
GRRZ				AML	AML		
ARAZ	Araiatia Land	1.22	259	P	Pn	11 07 07.6	+0.3
ARAZ				AML	AML		
MCHZ	McNeill Hill	1.28	215	P	Pn	11 07 08.5	+0.5
MCHZ				AML	AML		
TGRZ	Tauranga	1.29	301	P	Pn	11 07 06.7	-1.4
TGRZ				AML	AML		
HAZ	Hinemaiaia	1.32	248	P	Pn	11 07 08.3	-0.2
HATZ	HATZ	1.33	200	P	Pn	11 07 08.7	+0.1
CKHZ	Cape Kidnapper	1.33	200	P	Pn	11 07 08.7	+0.1
CKHZ				AML	AML		
WHTZ	Wakaora	1.36	258	P	Pn	11 07 09.2	+0.2
WHTZ				AML	AML		
KWHZ	Kaweka Forest	1.40	223	P	Pn	11 07 09.7	+0.1
KWHZ				AML	AML		
KUTZ	Kaahu Road	1.44	266	P	Pn	11 07 09.8	-0.2
KUTZ				AML	AML		
KMRZ	Kaimai	1.46	292	P	Pn	11 07 09.3	-1.0
KMRZ				AML	AML		
KAHZ	Kahuranaki	1.52	203	P	Pn	11 07 11.0	-1.1
KAHZ				AML	AML		
RITZ	Rihia Road	1.52	247	P	Pn	11 07 11.3	+0.2
RITZ				AML	AML		
WATZ	Wairara	1.54	258	P	Pn	11 07 11.2	0.0
WATZ				AML	AML		
RATZ	Rangitukua	1.54	252	P	Pn	11 07 11.6	+0.2
RATZ				AML	AML		
MYRZ	Mayor Island	1.58	315	P	Pn	11 07 10.5	-1.4
MYRZ				AML	AML		
KRHZ	Kereru	1.59	218	P	Pn	11 07 11.7	-0.3
KRHZ				AML	AML		
KATZ	Kakaramea	1.64	249	P	Pn	11 07 12.8	+0.1
KATZ				AML	AML		
BHZ	Black Hill Sta	1.65	228	P	Pn	11 07 12.9	+0.1
BHZ				AML	AML		
TLZ	Tolley Road	1.67	272	P	Pn	11 07 12.5	-0.5
TLZ				AML	AML		
TMVZ	Te Maari	1.68	244	P	Pn	11 07 13.3	0.0
TMVZ				AML	AML		
TMVZ				AML	AML		
ETVZ	East Tongariro	1.69	244	P	Pn	11 07 13.3	-0.1
ETVZ				AML	AML		
NTVZ	North Tongarir	1.70	245	P	Pn	11 07 13.4	0.0
NTVZ				AML	AML		
KRVZ	Karewarewa	1.72	246	P	Pn	11 07 13.7	-0.1
KRVZ				AML	AML		
OTVZ	Oturere	1.73	243	P	Pn	11 07 13.9	0.0
OTVZ				AML	AML		
PXZ	Pawanui	1.74	200	P	Pn	11 07 13.1	-0.8
PXZ				AML	AML		
SNVZ	South Ngaurohu	1.76	243	P	Pn	11 07 14.3	0.0
SNVZ				AML	AML		
SNVZ				AML	AML		
WTVZ	West Tongariro	1.76	246	P	Pn	11 07 14.4	0.0
WTVZ				AML	AML		

2020 OCT

NGZ	Ngaurohu	1.78	244	P	Pn	11 07 14.6	0.0
NGZ				AML	AML		
TUVZ	Tukino	1.79	240	P	Pn	11 07 14.7	0.0
TUVZ				AML	AML		
MOVZ	Moawhango	1.79	235	P	Pn	11 07 14.4	-0.2
MOVZ				AML	AML		
TOZ	Tahuroa Road	1.83	291	Pn	Pn	11 07 14.4	-0.7
TOZ				Sn	Sn	11 07 35.4	-2.0
TOZ				AML	AML		
TOZ				AML	AML		
TOZ				AML	AML		
COVZ	Chateau Observ	1.83	244	P	Pn	11 07 15.2	0.0
COVZ				AML	AML		
WHVZ	Whangaehu Hut	1.84	241	P	Pn	11 07 15.4	-0.1
WHVZ				AML	AML		
WHVZ				AML	AML		
FWVZ	Far West T-bar	1.85	242	P	Pn	11 07 15.5	-0.1
FWVZ				AML	AML		
MAVZ	Matarangi	1.85	241	P	Pn	11 07 15.5	-0.1
MAVZ				AML	AML		
WNVZ	Wahianoa	1.85	239	P	Pn	11 07 15.5	0.0
WNVZ				AML	AML		
TWVZ	Taurewa	1.86	248	P	Pn	11 07 15.3	-0.3
TWVZ				AML	AML		
TRVZ	Turoa	1.87	241	P	Pn	11 07 15.8	-0.1
TRVZ				AML	AML		
PNHZ	Pukenui	1.89	216	P	Pn	11 07 15.2	-0.8
PNHZ				AML	AML		
PNHZ				AML	AML		
WPHZ	Waipukurau	1.91	209	P	Pn	11 07 15.4	-0.7
WPHZ				AML	AML		
MTVZ	Mangateitei	1.97	239	P	Pn	11 07 17.0	0.0
MTVZ				AML	AML		
PKVZ	Pokaka	2.01	243	P	Pn	11 07 17.6	0.0
PKVZ				AML	AML		
PRHZ	Porangahau	2.02	203	P	Pn	11 07 16.8	-0.9
PRHZ				AML	AML		
TSZ	Takapari Road	2.11	218	P	Pn	11 07 17.8	-1.1
TSZ				AML	AML		
HIZ	Haiti	2.20	266	P	Pn	11 07 20.5	+0.5
HIZ				Sn	Sn	11 07 47.2	+0.8
HIZ				Sn	Sn	11 07 20.6	+0.6
HIZ				Sn	Sn	11 07 44.9	+1.6
HIZ				Sn	Sn	11 07 20.7	+0.6
DVHZ	Dannevirke	2.22	211	P	Pn	11 07 18.9	-1.5
DVHZ				AML	AML		
ANWZ	Angora Road	2.25	204	P	Pn	11 07 19.6	-1.1
ANWZ				AML	AML		
MKAZ	Moumakai	2.36	302	P	Pn	11 07 21.5	-0.7
MKAZ				AML	AML		
MKAZ				AML	AML		
VRZ	Vera Road	2.38	251	P	Pn	11 07 22.8	+0.4
VRZ				AML	AML		
VRZ				AML	AML		
POWZ	Post Office Ro	2.47	216	P	Pn	11 07 22.3	-1.3
POWZ				AML	AML		
WAZ	Wanganui	2.48	236	P	Pn	11 07 24.3	+0.5
WAZ				AML	AML		
PRWZ	Pori Road	2.51					



Table with columns: Station, Name, Time, Frequency, Mode, and other parameters. Includes stations like MDH, NAZ, MSBI, ASUD, etc.

Table with columns: Station, Name, Time, Frequency, Mode, and other parameters. Includes stations like AKTO, AKTO, AKTO, etc.

Table with columns: Station, Name, Time, Frequency, Mode, and other parameters. Includes stations like IDI, VRI, PLO, etc.



24d 11h

Table with columns for station name, frequency, power, and other technical details. Includes stations like MYKA Terra Mystica, CKRC Cesky Krumlov, and WATA Walderalm.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like WMQ comp=Z,630nm,14.3s, WMQ comp=Z,570nm,20.7s, and RETA Reutte.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like SNART Snartemo, LSA Lhasa, LANU Lannavaara, and SKAR Skarsvika.



1371

Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like SONM, TNCH, LZHM, MD01, etc.

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Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like KMI2, CM31, CMAR, etc.

24d 11h

Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like YAK, KCSI, ZEA, etc.





24d 12h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Minsk, Muntele Rosu, and various array stations.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ODAN, RAMN, GUN, and various array stations.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like O15K, KAWH, O14K, and various array stations.

1374

NDI 24 12:19:52.3, 1.5, 26.55N; 95.50E, h87km, 16km, ML3.6, MW3.5, Presumed earthquake

ISC 24 12:19:54.3, 2.6, 26.50N; 0.07, 95.2E, 0.1, h100km, n13, r120/25, Myanmar-India border region

NEIC 24 12:36:52.6, 1.6, 49.10S; 0.10, 123.9E; 0.2, h10km, 2km, mb4.4/14, Error ellipse: s-maj=27km s-min=11.9km

az=117.0
IDC 24 12:36:52.0-0.9,49.13S:123°67'E,h0km,mb4.0/11,
mbmp4.0/8,MS3.6/19,Error ellipse: s-maj=50.1km
s-min=17.4km az=98.0
ISC 24 12:36:52.8-0.7,49.08S:0°08:123°8E:0.3,h10km,n46,
r150/24,mb4.1/11,MS3.5/18,Western Indian-Antarctic
Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include stations like H01W1 Cape Leeuwin H, H01W2 Cape Leeuwin H, H01W3 Cape Leeuwin H, etc.

IDC 24 12:38:16.5-2.1,56°71S:26°56W,h106km,17km,mb4.2/11,
mbmp4.6/13,MS3.5/2,Error ellipse: s-maj=19.5km
s-min=12.6km az=58.0
NEIC 24 12:38:17.1,1.56°82S:0°10:26°6W:0.2,h107km,6km,
mb4.8/28,Error ellipse: s-maj=15.0km s-min=13.4km
az=59.0
ISC 24 12:38:17.5-0.7,56°82S:0°06:26°65W:0.08,h118km,5km,
n94,r159/107,mb4.7/19,4C-2D,South Sandwich
Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include stations like HOPE Hope Point, ORCD Orcadas, VNA1 Neumayer-Stat, etc.

Main table with columns: PMSA, Palmer Station, P, Pn, 12 42 38.7 -0.2, etc. Rows include stations like PMSA Palmer Station, PMSA Palmer Station, PMSA Palmer Station, etc.

Table with columns: ZALV Zalesovo Beam, 142.44 64, PKHKP, PKPpre, 12 57 30.9, etc. Rows include stations like ZALV Zalesovo Beam, N31M Braeburn, YUKO, etc.

24d 14h

Table with columns: Code, Station Name, Time, Res, ISC, h, m, s, ISC, Time Res. Includes stations like BCAR, Q29M, H29M, etc.

IDC 24 13:31:18.2±0.6, 62°00'S:58°17'W, h0km, mb4.0/7, mbmp4.0/8, ML3.5/1, MS3.3/8, Error ellipse: s-maj=26.6km s-min=18.7km az=104.0

Table with columns: Code, Station Name, Time, Res, ISC, h, m, s, ISC, Time Res. Includes stations like ESPZ, PMSA, PMSA, etc.

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Table with columns: MAW, LPAZ, BDFB, BDFB, RPN, H10S2, H10S3, BOSA, BOSA, H10N3, H10N1, H10N2, SDV, ASAR, ASAR, AS31, WRA, WRA, ARCES, BVAR, BVAR, MKAR, MKAR, SONMI, SONMI. Includes station names and coordinates.

SNET 24 14:04:41.9±1.1, 13°36'N:91°24'W, h18km, ML3.1, Presumed earthquake

Table with columns: Code, Station Name, Time, Res, ISC, h, m, s, ISC, Time Res. Includes stations like FG8, FG8, FG16, etc.

NORS 24 14:47:55.0, 41°29'N:44°08'E, h11km, MPVA3.7, TIF 24 14:47:55.7, 41°29'N:44°24'E, h15km

Table with columns: Code, Station Name, Time, Res, ISC, h, m, s, ISC, Time Res. Includes stations like TRLG, TRLG, BGD, etc.

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Table with columns: KMKR, KMKR, UNCR, UNCR, BRDA, ARKR, ARKR, AGDM, AGDM, KRNR, KRNR, DBC, DBC, AKT, AKT, KBZ, KBZ, ORD, ORD, QBL, QBL, SHA1, SHA1, SHA1, XNO, XNO, BLQ, BLQ, QSAR, QSAR, YRD, YRD. Includes station names and coordinates.

NEIC 24 14:54:26±2.1, 9.58°26'S:0°04:30'2W:0.2, h10km, 1km, mb4.8/25, Error ellipse: s-maj=17.3km s-min=4.3km az=106.0

IDC 24 14:54:29.9±0.7, 58°17'S:29°46'W, h0km, mb4.3/7, mbmp4.2/8, ML3.7/1, MS3.7/22, Error ellipse: s-maj=38.5km s-min=17.6km az=60.0

ISC 24 14:54:27.2±0.5, 56°23'S:0°08:30'5W:0.1, h10km, n94, 0°17'46", mb4.7/22, MS3.7/20, 2C, South Sandwich Islands region

Table with columns: Code, Station Name, Time, Res, ISC, h, m, s, ISC, Time Res. Includes stations like HOPE, HOPE, ORCD, VNA1, VNA3, VNA3, VNA2, VNA2, VNA2, PMSA, PMSA, SNAA, SNAA, SNAA, SNAA, TROLL, TROLL, BELA, BELA, GO08, GO08, COYC, COYC, TRQA, TRQA, PLCA, PLCA, GSPA, GSPA, QSPA, QSPA, GSPA, GSPA, VAO, VAO, ZON, ZON, CO01, CO01, CO01, CO01, MAW, MAW, AC05, AC05, AC04, AC04, GO03, GO03, AC02, AC02, AC06, AC06, SUC, SUC, SBA, SBA, VBA, VBA, VBA, VBA, BDFB, BDFB, BDFB, BDFB, G001, G001.







Table with columns: GO01, comp=N,342nm,0.2s, IAML, 15 53 45.7, CCM Cathedral Cave, 59.23 340, P Iamb, 16 02 15.7 -1.2, 16 02 18.8, EIDS Eidsvold, 19.27 258, P Pn, 16 00 19.6 +1.1

Table with columns: CCM Cathedral Cave, 59.23 340, P Iamb, 16 02 15.7 -1.2, 16 02 18.8, EIDS Eidsvold, 19.27 258, P Pn, 16 00 19.6 +1.1

Table with columns: EIDS Eidsvold, 19.27 258, P Pn, 16 00 19.6 +1.1, KHZ Kahutara, 19.67 177, P P, 16 00 21.8 +0.1, ARMA Armidale, 19.73 243, P Pn, 16 00 25.0 +0.9

IDC 24 15:55:49.4-0.6, 22:27:05x.172:11'E, h0km, mb4.6/19, mbmp4.7/23, ML4.5/4, MS3.9/39, Error ellipse: s-maj=16.1km s-min=12.9km az=21.0

NOU 24 15:55:52.8, 22:71:15:171:95E, h0km, mb5.1/75, Southeast 24 Loyalty Islands, GFZ 15:55:54.8-0.4, 23:5:5:17.2E, h35km, M4.9/25, mb5.1/25

NEIC 24 15:55:7.2-2.5, 22:67:05:0:09:171:90E:0:08, h35km, 2km, mb4.8/37, Error ellipse: s-maj=15.5km s-min=12.0km

GCMT 24 15:55:56.7-0.2, 22:70:5:0:01:172:00E:0:01, h26km, 1km, MW5.0/99, Moment Tensor Solution. s65,c81; s99,c148; Duration: 0 Moment tensor: Scale 10^19Nm; Mr-0.61:13; Mw-0.97:19; Best double couple: M3.92400x1016

ISC 24 15:55:55.1-0.5, 22:73:0:05:171:98E:0:05, h30km, 2km, h30km; p-P, n339, r142/316, mb5.0/94, MS4.0/36, ID, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, MARNC Mare, Loyalty, 3.87 288, Op, ISC, h, m, s, ISC, 15 56 51.9 -0.7

24d 15h

Table with columns: Station, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

2020 OCT

Table with columns: Station, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

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Table with columns: Station, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Te Karaka, East Tamaki Re, Motutapu North, etc.

IDC 24 16:01:42.3-2.0, 35.36N:141.79E, h0km, mb3.3/3, mbmp3.2/5, ML 1.8/2, MS4.2/1, Error ellipse: s-maj=31.6km s-min=19.3km az=59.0

JMA 24 16:01:48.5-0.1, 35.3N:141.3E:0.3, h14km, MV2.4/30, E Off BOSO PENINSULA

ISC 24 16:01:45.0-1.7, 35.28N:141.5E:0.1, h10km, n12, r121/11, mb3.5/3, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Boso 1, Boso 3, kamogawauchiur, etc.

KRNET 24 16:08:43.8-0.1, 39.08N:76.08E, mb4.1, IDC 24 16:08:44.0-1.4, 39.48N:75.87E, h0km, mb3/3, mbmp3.3/7, ML2.4/4, MS3.5/1, Error ellipse: s-maj=30.7km s-min=16.8km az=94.0

NNC 24 16:08:46.0-3.8, 39.34N:76.17E, h0km, mb3.8, mpv3.4, Error ellipse: s-maj=29.0km s-min=20.1km az=149.0

ISC 24 16:08:43.2-2.3, 39.40N:0.08:76.06E:0.04, h1km, 13km, n32, r1999/42, mb3.6/3, C2C-4D, Southern Xinjiang

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Naryn, Sufi-Kurgan, Taragay, Kyrgy, Osh, Ulahol, etc.

Table with columns: USRK, WRA, ASAR, KRNET, ISC. Includes stations like Ussuriysk Ar, Warrunganga Arr, Alice Springs, etc.

ISC 24 16:13:39.6-1.9, 39.10N:100.75:89E:0.05, h10km, n29, r260/52, C2C-3B, Southern Xinjiang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Sufi-Kurgan, Naryn, Osh, Taragay, Kyrgy, etc.

CHMS Chumysh, BTk Batken, MDOk Medeo, MRKS Merke, etc.

NOU 24 16:13:20.1, 16.32S:174.16W, h208km, mb4.3/12, Tonga Islands

IDC 24 16:14:11.6-2.0, 19.56S:177.89W, h390km, 20km, mb3.4/9, mbmp4.2/12, Error ellipse: s-maj=19.4km s-min=14.1km az=107.0

ISC 24 16:14:12.2-0.6, 19.45S:0.1:177.7W:0.1, h400km, n55, r179/58, mb3.7/5, Fiji Islands region

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Nonsavu, Afi Afimalu, Pinnic Pines Island, etc.

Table with columns: CMAR, ZALV, MKAR, ARCES, FINES, NB2, NOA, EKA, BRTO, DMC, MPAI, PRU, ZVC, CKRC, GERES, CONA, RONA, BIOA, SESA, LESA, SOKA, KBA, WATA, RETA, WTTA, MOTM, MYKA, SOTA, ABTA, FETA. Includes stations like Ching Mui Arr, Zalesovo Beam, etc.

NEIC 24 16:18:47.6, 62.25N:124.41W, h6km, mb4.7/364, Mwr4.5/37, Mwr4.5/37, Error ellipse: s-maj=8.5km s-min=1.3km az=113.0, Moment Tensor Solution: Moment tensor: Scale 1015Nm, Mw:3.1; Mw:1.97; Mw:2.98; Mo:0.35; Mw:1.99; Mw:4.84; Fault plane solution: M6 800000\*10^15; NP1:343,960000\*668,170000\*1,104,500000\* NP2:129,140000\*826,010000\*1,57,990000\* Principal axes: T 7.2790, Plg64.0000\*, Azm278.0000\*; N -1.0990, Plg13.0000\*, Azm158.0000\*; P -6.1801, Plg22.0000\*, Azm63.0000\*;

IDC 24 16:18:47.0-0.3, 62.20N:124.54W, h0km, mb4.5/31, mbmp4.5/38, ML4.6/8, MS3.7/44, Error ellipse: s-maj=8.6km s-min=7.1km az=72.0

NEIC 24 16:18:48.9, 62.25N:124.41W, h7km, Moment Tensor Solution: Moment tensor: Scale 1015Nm, Mw:3.1; Mw:2.31; Mw:4.90; Mw:1.23; Mw:2.74; Mw:2.59; Fault plane solution: M7 000000\*10^15; NP1:343,960000\*630,000000\*1,98,000000\* NP2:323,000000\*360,000000\*1,85,000000\* Principal axes: T 6.9066, Plg74.0000\*, Azm220.0000\*; N 0.0198, Plg4.0000\*, Azm25.0000\*; P -6.9265, Plg15.0000\*, Azm56.0000\*;

PGC 24 16:18:48.9-0.0, 62.25N:124.41W, h5km, ML5.3/13, mb4.7(NEIC), 121km south of Wrigley, Nt Nw Territories - Nunavut, Canada

GFZ 24 16:18:50.0-0.2, 62.2N:124.4W, h10km, M4.7/28, mb4.8/28

ISC 24 16:18:48.1-0.3, 62.23N:0.03:124.58W:0.03, h7km, n558, r180/449, mb4.7/204, MS3.8/21C-10D, Northwest Territories

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Wrigley, Nahanni Butte, Nahanni, NorthernBC 1, Watson Lake, Y, etc.

24d 16h

Table with columns for station ID, name, elevation, and coordinates. Includes stations like S34M, H31M, M30M, O30N, etc.

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Table with columns for station ID, name, elevation, and coordinates. Includes stations like EDM, LLLB, HOLB, NCSB, etc.

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Table with columns for station ID, name, elevation, and coordinates. Includes stations like PDAR, PDAR, PDAR, etc.



SCHQ	Schefferville	30.09	77	P	P	16 24 58.5 +0.9
SCHQ	Schefferville	30.09	77	P	P	16 25 33.0
SCHQ	Schefferville	30.09	77	P	P	16 25 56.0 -1.7
SCHQ	Schefferville	30.09	77	P	P	16 25 33.0
SFJD	Kangerlussuaq	30.02	48	LR	LR	16 37 33.9
CBX	Cerro Bola	30.36	167	P	P	16 25 01.5 +1.1
OK038	West end E0370	30.37	136	Iamb	Iamb	16 25 06.1
Y22A	Scooter	30.44	150	Iamb	Iamb	16 25 04.5
T35A	Sooner Cattle	30.72	132	Iamb	Iamb	16 25 05.4
ESJX	Sierra Juarez	30.74	166	P	P	16 25 05.7 +1.9
ESJX	Sierra Juarez	30.74	166	P	P	16 25 06.5
R40A	Maddies Statio	31.05	125	Iamb	Iamb	16 25 10.1
S39A	Bolivar	31.18	127	Iamb	Iamb	16 25 09.6
TUC	Tucson	31.22	157	P	P	16 25 08.8 +0.9
TUC	Tucson	31.22	157	P	P	16 25 09.9 +2.0
SADO	Sadovnik	31.33	103	LR	LR	16 38 25.6
NOR	Nord	31.49	16	i P	P	16 25 11.8 +2.0
NOR	Nord	31.49	16	i P	P	16 25 21.0
N17A	Urban	31.52	114	P	P	16 25 08.6 -1.8
N42A	Cookes Peak, D	31.61	152	Iamb	Iamb	16 25 17.9
CCM	Cathedral Cave	31.65	124	P	P	16 25 08.5 -3.0
DEOK	Depew	31.70	133	Iamb	Iamb	16 25 14.4
WMOK	Wichita Mounta	31.95	137	P	P	16 25 19.9
WMOK	Wichita Mounta	31.95	137	P	P	16 25 15.6 +1.3
HHAR	Hobbs	32.20	129	Iamb	Iamb	16 25 18.1
TRQ	Mont Tremblant	32.35	96	Iamb	Iamb	16 25 24.1
T42A	Van Buren	32.60	125	Iamb	Iamb	16 25 21.9
POST	Post	32.69	142	Iamb	Iamb	16 25 25.3
S44A	Carbondale	32.74	122	Iamb	Iamb	16 25 23.4
P48A	Milroy	32.81	116	Iamb	Iamb	16 25 25.6
SN07	Snyder	32.84	142	Iamb	Iamb	16 25 23.8
WTF5	Witchita Falls	32.95	138	Iamb	Iamb	16 25 28.8
MNTX	Cornudas Mount	32.96	149	Iamb	Iamb	16 25 26.1
MNTX	Cornudas Mount	32.96	149	P	P	16 25 25.1 +2.0
129A	Stewart Farms	32.99	143	Iamb	Iamb	16 25 25.5
TPB11	China Draw	33.07	147	Iamb	Iamb	16 25 27.0
TPB28	China Draw	33.20	148	Iamb	Iamb	16 25 28.3
FCAR	Czark Farn	33.22	127	Iamb	Iamb	16 25 25.5
LCAR	Lake Charles	33.42	126	P	P	16 25 25.4 -1.7
LCAR	Lake Charles	33.42	126	P	P	16 25 27.6
WCI	Wyandot Cave	33.49	118	P	P	16 25 23.7 -4.0
N53A	Lisbon	33.69	109	P	P	16 25 30.1 +0.6
MIAR	Mount Ida	33.89	130	Iamb	Iamb	16 25 36.2
MIAR	Mount Ida	33.89	130	P	P	16 25 31.1 0.0
DAG	Danmarks Havn	33.89	23	P	P	16 25 32.1 +1.4
DAG	Danmarks Havn	33.89	23	i P	P	16 25 32.1 +1.4
DAG	Danmarks Havn	33.89	23	i P	P	16 25 34.9
VHRN	Van Horn	33.93	149	Iamb	Iamb	16 25 35.3
WVT	Waverly	34.66	122	P	P	16 25 36.9 -1.0
WVT	Waverly	34.66	122	P	P	16 25 40.3
WVT	Waverly	34.66	122	P	P	16 25 38.4 +0.5
OZNA	Ozona	34.81	143	Iamb	Iamb	16 25 40.0
DBG	Daneborg	35.06	27	i P	P	16 25 41.6 +0.7
DBG	Daneborg	35.06	27	i P	P	16 25 45.5
BRDY	Brady	35.09	140	Iamb	Iamb	16 25 43.7
T50A	Nancy	35.12	117	Iamb	Iamb	16 25 44.0
U49A	Red Boiling Sp	35.16	119	Iamb	Iamb	16 26 09.1
Q54A	Coxs Mills	35.19	111	Iamb	Iamb	16 25 44.8
V48A	Smith Brothers	35.41	121	Iamb	Iamb	16 25 48.9
JCT	Junction City	35.60	142	Iamb	Iamb	16 25 48.6
TX31	Lajitas Ar. Si	35.64	148	Iamb	Iamb	16 25 48.9
TXAR	Lajitas Array	35.64	148	P	P	16 25 47.6 +1.2
TXAR	Lajitas Array	35.64	148	P	P	16 28 15.9 +1.1
TXAR	Lajitas Array	35.64	148	P	P	16 25 47.1 +0.7
S54A	Dingess Beckl	35.96	112	Iamb	Iamb	16 25 51.5
P57A	Homestead Farm	36.03	107	Iamb	Iamb	16 25 55.4
TZTN	Tazewell	36.06	116	P	P	16 25 50.6 +0.7
R55A	Marlinton	36.08	111	Iamb	Iamb	16 25 55.3
SWET	Sewanee	36.22	120	Iamb	Iamb	16 25 55.2
X48A	Hartselle	36.44	122	Iamb	Iamb	16 25 57.4
W50A	Signal Mountai	36.49	119	Iamb	Iamb	16 25 55.8
CPCT	Cooper Cave	36.60	118	Iamb	Iamb	16 25 59.6
TKL	Tuckaleechee C	36.73	117	P	P	16 25 55.7 +0.1
U54A	Nelsons Farm	36.82	114	Iamb	Iamb	16 26 02.2
BLA	Blacksburg	36.84	112	Iamb	Iamb	16 26 01.0
V57A	Saluda	37.12	116	Iamb	Iamb	16 26 04.1
Z47A	Carrollton	37.14	124	Iamb	Iamb	16 26 02.1
W52A	Murphy	37.15	118	Iamb	Iamb	16 26 01.7
Y49A	Blount Mountai	37.21	122	Iamb	Iamb	16 26 01.9
TIKI	Tiksi	37.28	330	P	P	16 25 58.0 -1.8
R58B	Mineral	37.33	108	Iamb	Iamb	16 26 03.6
V55A	Taylorsville	37.64	114	Iamb	Iamb	16 26 08.0
SPITS	Spitsbergen Ar	37.86	112	LR	LR	16 42 44.8
Y52A	Libburn	38.16	119	Iamb	Iamb	16 26 20.3
HODGE	Hodges	38.59	117	P	P	16 26 10.9 -0.4
HODGE	Hodges	38.59	117	P	P	16 26 13.7
GOGA	Godfrey	38.79	119	P	P	16 26 13.8 +0.8
JSC	Jenkinsville	38.96	115	P	P	16 26 12.3 -2.1
JSC	Jenkinsville	38.96	115	P	P	16 26 19.1
JMIC	Jan Mayen	39.09	27	LR	LR	16 43 48.8

PETK	Petrogavlovsk-	40.10	294	P	P	16 26 25.7 +1.9
BORG	Borghans	41.24	39	LR	LR	16 43 22.3
YAK	Yakutsk	44.01	319	LR	LR	16 48 18.4
YAK	Yakutsk	44.01	319	P	P	16 26 55.8 +0.3
YAK	Yakutsk	44.01	319	P	P	16 27 03.7
YAK	Yakutsk	44.01	319	P	P	16 26 57.5 +2.0
NRIK	Nori'sk	46.75	345	P	P	16 27 19.4 +2.3
NRIK	Nori'sk	46.75	345	P	P	16 27 16.0 -1.2
NRIK	Nori'sk	46.75	345	P	P	16 27 21.4
ARCES	ARCES Array B	46.83	14	P	P	16 27 18.6 +0.8
ARCES	ARCES	46.83	14	P	P	16 27 06.6
CMIG	Matias Romero	49.67	142	P	P	16 27 40.1 -0.1
YSS	Yusho Sakhal	51.04	298	P	P	16 27 51.6 +1.2
NB2	NORSAR Subarra	52.53	25	P	P	16 28 01.9 +0.6
NOA	NORSAR Array B	52.53	25	P	P	16 28 01.9 +0.6
NOA	NOA	52.53	25	P	P	16 51 19.6
HFS	Hagfors	53.85	24	P	P	16 28 11.8 +0.8
HFS	Hagfors	53.85	24	P	P	16 50 17.1
EKA	Eskdalemir Ar	54.16	37	P	P	16 28 13.6 +0.3
EKA	Eskdalemir Ar	54.16	37	P	P	16 53 01.4
HEH	Heihe	54.23	311	e P	P	16 28 15.0 +1.1
HEH	Heihe	54.23	311	e P	P	16 28 17.7 +1.0
FINES	FINES Array B	54.65	17	P	P	16 28 17.7 +1.0
FINES	FINES	54.65	17	P	P	16 51 09.8
HILR	Hailar Array B	57.43	316	P	P	16 28 35.1 +1.5
USRK	Ussuriysk Ar	57.62	304	P	P	16 28 39.5 +1.2
USRK	Ussuriysk Ar	57.62	304	P	P	16 28 37.9 -0.3
BNX	BinXian	58.05	308	i P	P	16 28 43.4 +2.1
BNX	BinXian	58.05	308	i P	P	16 59 16.6
KIRV	Kirov	59.43	4	LR	LR	16 54 58.3
SJG	San Juan	59.59	110	LR	LR	16 29 00.2 -0.5
MEM	Membach	60.88	34	e P	P	16 29 03.4 +1.5
NACGM	Naroch	61.07	18	e P	P	16 29 06.0 +0.5
MAJO	Matushiro	61.55	295	P	P	16 29 06.7 +1.2
MAJO	Matushiro	61.55	295	P	P	16 29 07.4 +0.6
ARTI	Art	61.70	358	P	P	16 29 06.2 0.0
ARTI	Art	61.70	358	P	P	16 29 06.4 -1.0
ZALV	Zalesovo Array	61.88	341	P	P	16 29 08.2 +0.8
ZALV	Zalesovo Array	61.88	341	P	P	16 59 19.3
ZALV	Zalesovo Array	61.88	341	P	P	16 29 07.0 -0.4
ZALV	Zalesovo Array	61.88	341	P	P	16 29 09.4 +1.6
GLL	Golln	62.22	30	P	P	16 29 11.2 +1.4
MOX	Moxa	62.22	30	P	P	16 29 13.5 +1.6
BRG	Beiggashuk	62.54	28	P	P	16 29 15.0 +2.1
HSKC	Hora Svate Kat	62.67	29	e P	P	16 29 15.6 +2.7
HSKC	Hora Svate Kat	62.67	29	e P	P	16 29 16.7 +1.5
SONM	Songino Array	62.99	324	P	P	16 29 15.3 +0.1
SONM	Songino Array	62.99	324	P	P	16 29 18.3 +1.5
SONM	Songino Array	62.99	324	P	P	16 29 22.9 +1.9
SONM	Songino Array	62.99	324	P	P	16 29 23.0 +1.8
SONM	Songino Array	62.99	324	P	P	16 29 24.6 +2.3
SONM	Songino Array	62.99	324	P	P	16 29 24.3 +1.8
CHVC	Chvalce	63.27	27	e P	P	16 29 24.7 +1.5
DPFC	Dobruška-Polom	63.55	27	e P	P	16 29 25.9 +1.9
KRLC	Kralupy	63.90	27	e P	P	16 29 23.0 +1.8
ZVC	Zvikov	63.94	29	e P	P	16 29 24.6 +2.3
KHC	Kasperske Hory	64.09	29	e P	P	16 29 24.3 +1.8
SLE	Schleien	64.13	33	P	P	16 29 24.7 +1.5
STEB	Steborice	64.24	26	e P	P	16 29 26.0 +2.1
MORC	Moravsky Berou	64.34	26	e P	P	16 29 25.5 +1.6
MORC	Moravsky Berou	64.34	26	e P	P	16 29 25.6 +1.6
TREC	Trest	64.38	28	e P	P	16 29 22.4 -1.7
OJC	Ojcow	64.38	28	e P	P	16 29 23.3 -1.0
GEC2	GERESS Array S	64.39	29	P	P	16 29 26.0 +1.7
GEC2	GERESS Array S	64.39	29	P	P	16 58 31.4
GERES	GERESS Array B	64.39	29	P	P	16 29 24.2 -0.1
GERES	GERESS Array B	64.39	29	P	P	16 29 27.8 +0.5
GERES	GERESS Array B	64.39	29	P	P	16 58 14.3
VRAC	Vranov	64.59	27	e P	P	16 29 27.4 +1.9
VRAC	Vranov	64.59	27	e P	P	16 29 27.8 +2.3
KRUC	Moravsky	64.78	27	e P	P	16 29 28.4 +1.7
KRUC	Moravsky	64.78	27	e P	P	16 29 29.8 +3.0
ABNA	Allensteig Bun	64.94	28	e P	P	16 29 29.4 +1.6
KSR5	Korea Array	64.98	303	P	P	16 29 29.3 +1.1
KSR5	Korea Array	64.98	303	P	P	16 29 32.8 +3.3
MOTA	Moosalm	65.18	32	e P	P	16 29 31.8 +2.1
RJOB	Jochberg	65.22	30	P	P	16 29 32.5 +2.7
JAVC	Velka Javorina	65.24	26	e P	P	16 29 25.8 -4.1
JAVC	Velka Javorina	65.24	26	e P	P	16 29 32.8 +2.5
WATA	Walderaim	65.30	31	e P	P	16 29 31.6 +1.2
SQTA	Sankt Quirin	65.32	32	e P	P	16 29 34.2 +3.8
LANS	Liptovska Anna	65.33	25	e P	P	16 29 33.6 +2.6
WTTA	Wattenberg	65.38	31	e P	P	16 29 33.9 +3.0
FETA	Feichten	65.39	32	e P	P	17 00 33.7
DAVOX	Davos/Dischmat	65.40	33	LR	LR	16 29 32.7 +2.8
DAVOX	Davos/Dischmat	65.40	33	LR	LR	16 29 32.7 +1.5
STHS	Stebnicka Huta	65.42	24	e P	P	16 29 33.0 +1.8
MOA	Molin	65.45	29	e P	P	16 29 33.2 +1.7
BIOA	Bad Ischl, Aus	65.46	30	e P	P	16 29 32.1 +0.7
BIOA	Bad Ischl, Aus	65.46	30	e P	P	16 29 30.5 -0.9
LESA	Schwarzleotel	65.48	30	e P	P	16 29 30.5 -1.0
AKASO	Malin Array Be	65.51	18	P	P	16 29 31.5 +2.9
AKASO	Malin Array Be	65.51	18	P	P	16 29 32.7 +1.4
AKB	Malin Array Si	65.51	18	P	P	16 29 30.0 +1.5
KIEV	Kiev	65.51	18	P	P	16 29 30.5 -1.0



Table with columns for station name, time, and status. Includes stations like ILAR, ELSON, HDA, G25K, F25K, etc.

0.2nm,0.3s,baz=95,slow=28,SNR=4.8
1.2nm,0.9s

10.31 294 AML AML
10.32 292 Pn Pn
10.34 306 Pn Pn

10.44 310 P Pn
10.45 310 P Pn
10.50 285 Pn Pn

10.60 272 Pn Pn
10.70 293 Pn Pn
10.76 322 Pn Pn

10.79 142 Pn Pn
10.79 142 Pn Pn
11.20 289 Pn Pn

11.24 293 Pn Pn
11.27 322 Pn Pn
11.40 318 Pn Pn

11.61 311 Pn Pn
12.02 306 Pn Pn
12.18 313 Pn Pn

12.94 68 Pn Pn
17.22 09.4 +3.3 Pn Pn
17.22 11.3 +2.6 Pn Pn

17.22 19.1 Pn Pn
17.22 14.3 -1.1 Pn Pn
17.25 02.7 -1.3 Pn Pn

17.26 55.0 Pn Pn
17.22 13.8 -1.7 Pn Pn
17.22 26.0 Pn Pn

17.22 14.3 -1.1 Pn Pn
17.22 58.2 +0.2 Pn Pn
17.28 38.0 Pn Pn

17.22 56.5 -0.2 Pn Pn
17.23 20.0 Pn Pn
17.23 17.2 +2.0 Pn Pn

17.23 16.2 +1.0 Pn Pn
17.23 46.6 +3.2 Pn Pn
17.23 44.9 +1.5 Pn Pn

17.23 45.0 +0.5 Pn Pn
17.29 25.3 +0.3 Pn Pn
17.29 48.3 +2.1 Pn Pn

17.38 09.2 -0.5 Pn Pn
17.38 23.3 +1.6 Pn Pn
17.38 14.4 -0.3 Pn Pn

17.38 14.4 -0.3 Pn Pn
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17.38 14.4 -0.3 Pn Pn

Table with columns for station name, time, and status. Includes stations like RAGM, AUGUSTINE ISLA, AUGUSTINE JUEG, etc.

17.59 56.4 -0.4 Pn Pn
17.59 43.8 -3.4 Pn Pn
17.59 56.1 -0.8 Pn Pn

17.59 56.8 -0.1 Pn Pn
17.59 45.5 -1.7 Pn Pn
17.59 49.3 -0.1 Pn Pn

17.59 46.6 -0.7 Pn Pn
17.59 46.8 -1.5 Pn Pn
17.59 56.7 -1.1 Pn Pn

17.59 45.0 -3.9 Pn Pn
17.59 47.2 Pn Pn
17.59 53.1 Pn Pn

17.59 57.2 -0.7 Pn Pn
17.59 57.3 -0.5 Pn Pn
17.59 57.8 -0.3 Pn Pn

17.59 57.5 -1.0 Pn Pn
17.59 45.5 -4.6 Pn Pn
17.59 58.7 -1.1 Pn Pn

17.59 58.9 -0.9 Pn Pn
17.59 58.2 -1.8 Pn Pn
17.59 00.5 -0.1 Pn Pn

17.59 01.2 +0.4 Pn Pn
17.59 00.9 +0.1 Pn Pn
17.59 00.9 -0.3 Pn Pn

17.59 01.1 -0.8 Pn Pn
17.59 03.0 Pn Pn
17.59 01.3 -0.6 Pn Pn

17.59 01.9 -0.5 Pn Pn
17.59 02.9 -0.5 Pn Pn
17.59 01.0 0.0 Pn Pn

17.59 01.0 0.0 Pn Pn
17.59 01.0 0.0 Pn Pn
17.59 01.0 0.0 Pn Pn

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Table with columns for station name, time, and status. Includes stations like R32K, SDPT, SAND POINT, etc.

7.32 69 Pn Pn
7.34 267 P Pn
7.34 267 Pn Pn

7.39 70 P Pn
7.39 70 Pn Pn
7.43 355 Pn Pn

7.45 42 Pn Pn
7.45 42 Pn Pn
7.45 42 Pn Pn

7.52 12 Pn Pn
7.52 12 Pn Pn
7.52 12 Pn Pn

7.55 313 Pn Pn
7.55 313 Pn Pn
7.55 313 Pn Pn

7.62 305 Pn Pn
7.62 305 Pn Pn
7.62 305 Pn Pn

7.66 34 Pn Pn
7.66 34 Pn Pn
7.66 34 Pn Pn

7.74 338 Pn Pn
7.74 338 Pn Pn
7.74 338 Pn Pn

7.84 12 Pn Pn
7.84 12 Pn Pn
7.84 12 Pn Pn

7.87 297 Pn Pn
7.87 297 Pn Pn
7.87 297 Pn Pn

7.91 345 Pn Pn
7.91 345 Pn Pn
7.91 345 Pn Pn

7.91 52 Pn Pn
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7.95 349 Pn Pn
7.95 349 Pn Pn
7.95 349 Pn Pn

7.96 45 Pn Pn
7.96 45 Pn Pn
7.96 45 Pn Pn

7.98 321 Pn Pn
7.98 321 Pn Pn
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8.04 26 Pn Pn
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8.05 86 Pn Pn
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8.12 308 Pn Pn
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8.15 271 Pn Pn
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8.16 17 Pn Pn
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8.16 90 Pn Pn
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8.17 269 Pn Pn
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8.27 31 Pn Pn
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8.28 301 Pn Pn
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8.29 355 Pn Pn
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8.31 359 Pn Pn
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8.35 7 Pn Pn
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8.44 2 Pn Pn
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17.59 58.9 -0.9 Pn Pn
17.59 58.2 -1.8 Pn Pn
17.59 00.5 -0.1 Pn Pn

17.59 01.2 +0.4 Pn Pn
17.59 00.9 +0.1 Pn Pn
17.59 00.9 -0.3 Pn Pn

17.59 01.1 -0.8 Pn Pn
17.59 03.0 Pn Pn
17.59 01.3 -0.6 Pn Pn

17.59 01.9 -0.5 Pn Pn
17.59 02.9 -0.5 Pn Pn
17.59 01.0 0.0 Pn Pn

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Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC. Includes stations like AAK Ala-Archa, SDV Santo Domingo, DAVOX Davos/Dischmat, etc.

AEIC 24 18:03:04.7, 1.2, 54.150N, 0.06, 159.57W, 0.09, h15km, 7km, Error ellipse: s-maj=8.8km s-min=5.9km az=153.0

NEIC 24 18:03:04.5, 1.8, 54.58N, 0.04, 159.65W, 0.06, h21km, 10km, ML3.5/38, ML3.2(AEIC), Error ellipse: s-maj=6.1km s-min=3.9km az=220.0, South of Alaska

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC. Includes stations like CNBA Chernabura Isl, SDPT Sand Point, VNFV Veniaminof 8, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC. Includes stations like ACHA Angle Creek He, OHAK Old Harbor, P16K Nushagak River, etc.

IDC 24 18:04:30.0, 0.6, 31.76N, 104.22E, h0km, mb4.1/20, mbmp4.1/23, ML4.0/3, MS3.3/8, Error ellipse: s-maj=18.9km s-min=11.4km az=68.0

NEIC 24 18:04:31.5, 1.3, 31.79N, 0.08, 104.30E, 0.10, h10km, 1km, mb4.7/101, Error ellipse: s-maj=16.7km s-min=9.9km az=229.0

BUI 24 18:04:33.2, 31.85N, 104.18E, h18km, mb4.6/2, mb4.4/21, ML4.2/25, Ms3.9/14, Ms7.3/8/10

ISC 24 18:04:32.1, 0.3, 31.3179N, 0.03, 104.29E, 0.04, h15km, n169, s192/177, mb4.5/69, MS3.4/7, 1-C/D, Sichuan

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC. Includes stations like CD2 Chengdu, LZDM Lanzhou Arr, LZHM Lanzhou, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC. Includes stations like NJ2 Nanjing, CHTO Chiang Mai Arr, CM31 Chiang Mai Arr, etc.

Table of seismic events with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes events like SPB2 Spitsbergen Ar, COEN Warramunga Arr, WRA Warramunga Arr, etc.

Table of suspected explosion events in the Baltic States-Belarus-Northern Western Russia region. Columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes events like LVZ Lovozero, APATITY Apatity, etc.

Table of seismic events in the confirmed Kermadec Islands region. Columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes events like WRA Warramunga Arr, ASAR Alice Springs, etc.

KOLA 24 18:10:18.7, 67.67N, 34.21E, h0km, ML2.1, Error ellipse: s-maj=3.8km s-min=1.4km az=120.0, Khibiny, mines

HEL 24 18:10:18.4, 0.2, 67.69N, 34.12E, h0km, ML1.7, Suspected explosion, Baltic States-Belarus-Northern Western Russia

WEL 24 18:41:34.0, 8.32, S14.1, 18.0W, 3.4, h366km, 1.1km, M3.9, mB4.3/8, ML4.2/8, MLV4.7/7, Mw(mB)3.5/8, Error ellipse: s-maj=47.4km s-min=4.5km az=112.3, confirmed, Kermadec Islands region



Table with columns: NVAR, Station Name, Time, Res, ISC. Includes entries like 'Mina Array Bea' and 'Kodiak Island'.

OSPL 24 18:59:19.8-0.8, 18.161N-70.60W, h25km, 8km, ML1.9, Presumed earthquake

Table with columns: Code, Station Name, Time, Res, ISC. Includes entries like 'Alto Bandera', 'BANI', 'Presa de Saban'.

TIF 24 19:00:49.4, 43.531N-40.82E, h11km, 2km

Table with columns: Code, Station Name, Time, Res, ISC. Includes entries like 'Krasnaya Poly', 'Vesolyoye', 'Dombai'.

IDC 24 19:01:16.5-1.6, 33.85N-77.16E, h0km, mb3.3/6, mbtmp3.3/10, ML3.0/3, Error ellipse: s-maj=38.8km

Table with columns: Code, Station Name, Time, Res, ISC. Includes entries like 'Kashmir'.

Table with columns: AAK, Station Name, Time, Res, ISC. Includes entries like 'Ala-Archa', 'Makanchi Array', 'Kurchatov Arra'.

NEIC 24 19:37:44.8, 44.31N-115.17W, h17km

NEIC 24 19:37:44.1, 44.31N-115.17W, h16km, 9km, ML3.4/116, Mwr3.6/17, ML3.7/31(BUT), Error ellipse: s-maj=3.3km s-min=2.9km az=194.0, Moment Tensor Solution. Moment tensor: Scale 10^14 Nm; Mrr-0.45; Mth-0.96; Mtt-0.50; Mtr-2.69; Mtr-0.53; Mtr-0.81; Fault plane orientation: Mo=2.98000x10^14 Np1: 135.2000°, 07.91000°, -72.99000° NP2: 126.2266, 44.000°, 82.15000°, VCMT: 1.90, 97.000°, Principal axes: T: 3.2601, P1g37.0000°, Azm17.0000°; N: -0.6778, P1g1.0000°, Azm282.0000°; P: -2.5823, P1g53.0000°, Azm195.0000°; Western Idaho

Table with columns: Code, Station Name, Time, Res, ISC. Includes entries like 'Hailey', 'Pearl Lake', 'Camas Ranch'.

J08A Circle Bar 2.57 249 IAML Pn 19 39 14.0

Table with columns: Code, Station Name, Time, Res, ISC. Includes entries like 'Missoula', 'Lincoln Mounta', 'Bozeman (W)', 'Pilot Rock', 'Horse Butte'.

Table with columns: YBMT, Station Name, Time, Res, ISC. Includes entries like 'Yellow Bay', 'Hanford', 'Phinny Hill Vi'.

PRU 24 19:43:16.9, 50.20N-19.00E, h0km

IDC 24 19:43:18.6-1.7, 50.47N-18.68E, h0km, mb3.0/1, mbtmp3.0/3, ML1.7/2, MS3.3/1, Error ellipse: s-maj=38.5km s-min=13.2km az=146.0

ISC 24 19:43:16.2-0.7, 50.17N-18.00E, h0km, m24, 1920/40, Poland

Table with columns: Code, Station Name, Time, Res, ISC. Includes entries like 'Moxie City', 'Ephrata', 'Boulder Array', 'Terrebonne, OR'.

Code Station Name Time Res ISC. Includes entries like 'OJC', 'Steborice', 'Moravsky Berou'.

Table with columns: Code, Station Name, Time, Res, ISC. Includes entries like 'Moravsky Berou', 'Liptovska Anna', 'Niedzica', 'Kralupy', 'Velka Javorina'.



SCIAR	comp=N,14750µm,0.4s	AML	AML						
SCIAR	comp=N,15200µm,0.4s	AML	AML						
SCIAR	comp=E,9485µm,1.3s	AML	AML						
SCIAR	comp=E,8275µm,1.3s	AML	AML						
SCIAR	comp=E,8275µm,0.7s	AML	AML						
SCIAR	comp=E,9485µm,0.7s	AML	AML						
SCIAR	comp=N,14750µm,0.4s	AML	AML						
SCIAR	comp=N,15200µm,1.6s	AML	AML						
CSLB	Castelbuono	0.74 171	↑P	Pn		20 48 29.0	-1.3		
CSLB			S	Sn		20 48 40.9	-0.6		
CSLB	comp=N,12200µm,1.0s	AML	AML						
CSLB	comp=E,7330µm,1.2s	AML	AML						
CSLB	comp=E,7330µm,0.8s	AML	AML						
MSFR	San Fratello	0.83 139	↑P	Pn		20 48 29.9	-1.7		
MSFR			S	Sn		20 48 43.2	-0.6		
MSFR	comp=N,2750µm,1.1s	AML	AML						
MSFR	comp=E,3330µm,1.4s	AML	AML						
MSFR	comp=E,3330µm,0.6s	AML	AML						
ILOS	Lipari Osserat	0.85 105	↑P	Pg		20 48 29.0	-1.6		
ILOS			S	Sn		20 48 42.4	-1.7		
ILOS	comp=E,11270µm,1.2s	AML	AML						
ILOS	comp=N,26750µm,0.6s	AML	AML						
ILOS	comp=E,11275µm,1.2s	AML	AML						
ILOS	comp=N,26200µm,0.6s	AML	AML						
ILOS	comp=E,11275µm,0.8s	AML	AML						
ILOS	comp=E,12950µm,0.4s	AML	AML						
PETRA	Petralia Sopra	0.85 169	↑P	Pn		20 48 31.2	-0.7		
PETRA			AML	AML					
PETRA	comp=N,21950µm,0.5s	AML	AML						
PETRA	comp=N,21950µm,1.5s	AML	AML						
PETRA	comp=N,21400µm,1.0s	AML	AML						
IVGP	Vulcano Grota	0.87 108	P	Pb		20 48 29.8	-1.4		
IVUG	Vulcano Grillo	0.89 107	P	Pb		20 48 30.2	-1.3		
VPL	Vulcano Piano	0.90 108	↑P	Pb		20 48 30.2	-1.4		
VPL			AML	AML					
VPL	comp=N,5260µm,1.0s	AML	AML						
CORL	Corleone	0.91 212	↑P	Pn		20 48 32.1	-0.5		
CORL			S	Sn					
CORL	comp=N,11050µm,0.9s	AML	AML						
CORL	comp=N,7785µm,1.3s	AML	AML						
MUCR	Ucria	0.98 129	↑P	Pn		20 48 32.1	-1.7		
MUCR			AML	AML					
MUCR	comp=N,5740µm,0.8s	AML	AML						
MUCR	comp=N,10350µm,0.5s	AML	AML						
RESU	Resuttano	1.03 173	P	Pn		20 48 35.0	+0.7		
RESU			AML	AML					
RESU	comp=N,7190µm,0.6s	AML	AML						
RESU	comp=N,6245µm,0.7s	AML	AML						
MBFT	Monte Bonifato	1.04 226	↑P	Pn		20 48 33.8	-0.7		
MBFT			AML	AML					
MBFT	comp=E,397µm,1.5s	AML	AML						
MBFT	comp=N,398µm,0.8s	AML	AML						
MBFT	comp=N,3100µm,0.8s	AML	AML						
MBFT	comp=E,3125µm,1.6s	AML	AML						
MBFT	comp=N,397µm,0.5s	AML	AML						
MBFT	comp=E,3125µm,0.4s	AML	AML						
MBFT	comp=N,398µm,0.8s	AML	AML						
IST3	Stromboli F	1.05 82	P	Pb		20 48 32.4	-1.8		
IST3			AML	AML					
IST3	comp=E,2010µm,1.5s	AML	AML						
IST3	comp=E,2010µm,0.5s	AML	AML						
IST3	comp=N,2300µm,0.4s	AML	AML						
MCT	Mte Cammarata	1.06 192	P	Pn		20 48 35.9	+1.1		
GALF	Gagliano Caste	1.09 151	P	Pg		20 48 35.1	0.0		
GALF			AML	AML					
GALF	comp=E,1300µm,0.5s	AML	AML						
GALF	comp=E,9225µm,0.5s	AML	AML						
GALF	comp=N,8465µm,1.4s	AML	AML						
GALF	comp=E,1300µm,0.5s	AML	AML						
GALF	comp=E,9225µm,1.5s	AML	AML						
GALF	comp=E,1300µm,1.5s	AML	AML						
GALF	comp=N,1115µm,0.5s	AML	AML						
T1573	Gallitello	1.11 224	P	Pg		20 48 35.1	-0.5		
T1573			AML	AML					
T1573	comp=E,7850µm,1.0s	AML	AML						
T1573	comp=E,7840µm,1.0s	AML	AML						
T1573	comp=N,9220µm,1.0s	AML	AML						
T1573	comp=N,9315µm,1.0s	AML	AML						
T1573	comp=E,7845µm,1.0s	AML	AML						
MILZ	Milazzo	1.11 110	P	Pb		20 48 33.2	-2.1		
MILZ			AML	AML					
MILZ	comp=N,9010µm,0.5s	AML	AML						
MILZ	comp=N,5245µm,1.2s	AML	AML						
MILZ	comp=N,5245µm,0.8s	AML	AML						
CRJA	Costa Raja	1.12 220	↑P	Pg		20 48 35.9	+0.1		
CRJA			AML	AML					
CRJA	comp=N,8580µm,0.7s	AML	AML						
CRJA	comp=N,5050µm,0.8s	AML	AML						
EPZF	Pizzo Felice	1.13 138	P	Pg		20 48 35.7	-0.2		
EPZF			AML	AML					
EPZF	comp=N,7490µm,0.6s	AML	AML						
EPZF	comp=N,7490µm,0.6s	AML	AML						
EPZF	comp=E,5950µm,1.3s	AML	AML						
EPZF	comp=E,5950µm,0.7s	AML	AML						
CAGR	Agira	1.15 156	P	Pg		20 48 37.2	+1.0		
MFNL	Monte Finestre	1.17 222	P	Pg		20 48 36.5	-0.2		
EMSG	Monte Spagnolo	1.18 135	P	Pg		20 48 37.1	+0.1		
EMSG			AML	AML					
EMSG	comp=N,8200µm,0.6s	AML	AML						
EMSG	comp=N,8675µm,0.7s	AML	AML						
EMSG	comp=N,8675µm,1.3s	AML	AML						
T1574	Salemi	1.19 226	P	Pg		20 48 36.6	-0.4		
MTGR	Montagna Grand	1.19 230	P	Pg		20 48 35.8	-1.2		
ERC	Erice	1.21 239	P	Pb		20 48 35.9	-1.1		
CLTB	Catibellotta	1.22 207	P	Pg		20 48 37.8	+0.2		
CLTB			AML	AML					
CLTB	comp=N,21650µm,0.6s	AML	AML						
CLTB	comp=N,27200µm,0.6s	AML	AML						
CLTB	comp=N,21650µm,1.4s	AML	AML						
ECTS	Castiglione	1.24 129	P	Pg		20 48 36.7	-1.3		
ECTS			AML	AML					

ECTS	comp=E,2990µm,0.5s	AML	AML						
ECTS	comp=N,3505µm,1.1s	AML	AML						
MMGO	Monte Magaglia	1.24 216	P	Pg		20 48 37.5	-0.6		
EPIT	Pozzo Pitarone	1.25 133	P	Pg		20 48 37.8	-0.4		
EMCN	Etna Monte Con	1.25 134	P	Pg		20 48 38.4	+0.1		
MPNC	Port Mandanici	1.25 114	↑P	Pn		20 48 35.3	-2.1		
MPNC			AML	AML					
MPNC	comp=N,4470µm,1.1s	AML	AML						
MPNC	comp=N,5210µm,0.6s	AML	AML						
MPNC	comp=N,4470µm,0.9s	AML	AML						
VAE	Valguarnera	1.25 161	Pn	Pg		20 48 39.5	+1.2		
VAE			AML	AML					
VAE	comp=N,329nm,19.2s,baz=116,slow=32	LR	LR	LR		20 48 56.7			
VAE	comp=N,54nm,0.3s,baz=29,slow=3.9,SNR=13	Sn	Sg			20 48 59.3	+4.7		
VAE	Valguarnera	1.25 161	P	Pg		20 48 39.6	+1.3		
AIO	Antillo	1.26 123	↑P	Pn		20 48 35.9	-1.6		
AIO			AML	AML					
AIO	comp=N,2030µm,0.3s	AML	AML						
T1581	Borgo Fazio	1.26 230	P	Pg		20 48 37.1	-1.3		
T1581			AML	AML					
T1581	comp=N,5650µm,0.7s	AML	AML						
T1581	comp=N,4545µm,1.0s	AML	AML						
T1581	comp=N,4540µm,1.0s	AML	AML						
T1581	comp=N,5645µm,0.7s	AML	AML						
ECHR	Santa Chiara	1.26 141	P	Pg		20 48 39.7	+1.2		
CPTP	Pietraperzia	1.27 171	P	Pg		20 48 40.7	+2.0		
CPTP			AML	AML					
CPTP	comp=N,4140µm,1.1s	AML	AML						
T1582	S. Ninfa	1.28 224	P	Pg		20 48 38.7	-0.1		
T1582			AML	AML					
T1582	comp=N,9830µm,0.8s	AML	AML						
T1582	comp=N,9960µm,1.2s	AML	AML						
T1582	comp=N,9830µm,1.2s	AML	AML						
T1582	comp=N,9960µm,0.8s	AML	AML						
ECBD	Case Bada	1.29 133	P	Pg		20 48 37.9	-1.0		
ESLN	Serra La Nave	1.29 139	P	Pg		20 48 39.3	+0.3		
ESML	S. M. di Livedo	1.30 144	P	Pg		20 48 39.2	+0.1		
ESML			AML	AML					
ESML	comp=N,4460µm,1.1s	AML	AML						
ESML	comp=N,3885µm,1.3s	AML	AML						
ESML	comp=N,3885µm,0.7s	AML	AML						
ESML	comp=N,4460µm,0.9s	AML	AML						
SCIAC	Sciaccia	1.31 209	P	Pg		20 48 38.5	-1.0		
SCIAC			AML	AML					
SCIAC	comp=N,3810µm,0.8s	AML	AML						
SCIAC	comp=N,2555µm,1.1s	AML	AML						
MSRU	Castanea	1.32 107	↑P	Pn		20 48 36.0	-2.3		
CAVT	Castelvetrano	1.34 223	P	Pg		20 48 39.0	-1.0		
CAVT			AML	AML					
CAVT	comp=N,6320µm,1.1s	AML	AML						
CAVT	comp=N,6320µm,1.1s	AML	AML						
CAVT	comp=N,6320µm,0.9s	AML	AML						
EFIU	Fiumefreddo	1.35 130	P	Pg		20 48 38.4	-1.8		
ENIC	Nicosi	1.36 139	P	Pg		20 48 39.8	-0.5		
ENIC			AML	AML					
ENIC	comp=N,4450µm,1.0s	AML	AML						
ENIC	comp=N,4230µm,0.8s	AML	AML						
ENIC	comp=N,3930µm,0.7s	AML	AML						
ENIC	comp=N,5945µm,0.6s	AML	AML						
EVNR	Santa Venerina	1.38 135	P	Pg		20 48 39.8	-0.9		
EVNR			AML	AML					
EVNR	comp=N,4250µm,1.0s	AML	AML						
EVNR	comp=N,4200µm,1.2s	AML	AML						
EVNR	comp=N,4685µm,1.0s	AML	AML						
EVNR	comp=N,4685µm,1.0s	AML	AML						
EVNR	comp=N,4935µm,0.8s	AML	AML						
EVNR	comp=N,4200µm,0.8s	AML	AML						
MARS</									

24d 20h

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like CELI, SRN, SLON, SGO, etc.

2020 OCT

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like INTR, MSAG, MTCE, etc.

1392

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like MNK, MNSK, MNC, etc.









24d 22h

Table with columns for station call letters, name, frequency, power, and signal strength. Includes stations like TKL Tuckaleechee C, ZAK Zamensk, ULN Ulanbaatar, etc.

2020 OCT

Table with columns for station call letters, name, frequency, power, and signal strength. Includes stations like KIRV Kirov, NORSAR Array S, LZH Lanzhou, etc.

1396

Table with columns for station call letters, name, frequency, power, and signal strength. Includes stations like MNK Minsk, MNK comp=N,4.0nm,0.7s, MNK comp=Z,5.1nm,0.8s, etc.





Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like AKGG, ZRO, LVA, UNV, KJL, MSW, CAHL, Q17K, etc.

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like F28M, G29M, DLBC, DLBC, DLBC, etc.

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like SJA, GUC, Presumed earthquake, ISC 24 23:08:28.9, etc.





Table with columns for station call letters, name, frequency, and other details. Includes stations like KKM, LUWI, GTOI, MBWA, etc.

Table with columns for station call letters, name, frequency, and other details. Includes stations like NWAOW, H01W3, RKGKY, CM31, etc.

Table with columns for station call letters, name, frequency, and other details. Includes stations like QIS, JAY, KMI2, YULB, etc.



ULN		ScP	ScP	01 11 10.4 +0.5	
KSH2	Kashi	P	P	01 06 15.8 -1.9	
KSH2		PcP	P	01 07 17.6 +1.2	
KSH2		S	S	01 13 51.9 -8.3	
KSH2	comp=Z,47nm,0.8s	L	L		
KSH2	comp=Z,600nm,19.9s	L	L		
KSH2	comp=Z,600nm,21.5s	L	L		
KSH2	comp=Z,680nm,21.5s	L	L		
KOUNC	Koumac, New Ca	55.75 109	P	01 06 20.3 +2.3	
KOUNC	Koumac, New Ca	55.75 109	P	01 06 19.9 -1.1	
KOUNC	comp=Z,98nm,1.0s	IAMB	IAMB	01 06 25.1	
MDJ	Mudanjiang	55.93 19	P	01 06 19.1 +0.3	
MDJ	comp=Z,104nm,1.9s	IAMB	IAMB	01 06 21.6	
KBL	Kabl	56.09 321	P	01 06 20.0 -0.4	
KBL	SNR=45	S	S	01 13 59.6 -5.6	
KBL	Kabl	56.09 321	P	01 06 19.3 -1.1	
KBL	comp=Z,66nm,0.9s	Pmax	Pmax		
KBL	Kabl	56.09 321	P	01 06 19.3 -1.1	
KBL	comp=Z,66nm,0.8s	IAMB	IAMB	01 06 20.7	
KBL	Kabl	56.09 321	P	01 06 19.1 -1.3	
KBL	comp=Z,1umcomp=Z,105nm,1.4s,comp=Z,1um	P	P	01 06 22.7 +1.4	
JLN	Jalan Bani Buh	56.23 303	P	01 06 19.1 -1.3	
JLN	SNR=9.3	P	P	01 06 21.7 +1.4	
BNX	BinXian	56.30 16	P	01 06 20.4 -1.0	
BNX		pP	pP	01 06 20.4 -1.0	
BNX		pP	pP	01 06 48.9 +5.1	
BNX		PcP	PcP	01 07 21.9 +3.7	
BNX		S	S	01 14 07.9 +0.8	
BNX		sS	sS	01 14 36.8 +2.8	
BNX	comp=Z,48nm,1.1s	Pmax	Pmax		
BNX	comp=Z,520nm,23.9s	L	L		
BNX	comp=Z,370nm,15.2s	L	L		
BNX	comp=Z,600nm,26.0s	L	L		
NGCH	Negor - Chabah	56.35 308	P	01 06 24.1 +2.0	
USAOB	Ussuriysk Arra	56.35 21	P	01 06 20.5 -1.3	
USAOB	Ussuriysk Arra	56.35 21	P	01 06 21.4 -0.5	
USAOB	comp=Z,57nm,1.4s	IAMB	IAMB	01 06 25.4	
USRK	Ussuriysk Ar.	56.35 21	P	01 06 21.7 -0.1	
USRK	comp=Z,8.8nm,0.6s,baz=211,slow=7.3,SNR=15	LR	LR	01 33 54.6	
USRK	comp=Z,334nm,18.6s,baz=215,slow=4.0	LR	LR		
USRK	comp=Z,8.8nm,0.6s	LR	LR		
USRK	Ussuriysk Ar.	56.35 21	P	01 06 21.2 -0.6	
ASAI	AK-SAY(Kyrgyzs	56.34 322	P	01 06 23.0 -1.4	
TARG	Taragay, Kyrgy	56.70 333	P	01 06 24.7 -0.2	
TARG	comp=Z,56nm,1.1s	Pmax	Pmax		
TARG	Taragay, Kyrgy	56.70 333	P	01 06 24.7 -0.2	
TARG	comp=Z,56nm,1.1s	IAMB	IAMB	01 06 33.2	
TARG	Taragay, Kyrgy	56.70 333	P	01 06 24.4 -0.5	
TARG	comp=Z,562nmcomp=Z,52nm,1.1s	P	P	01 06 24.4 -0.5	
WBK	Wadi Bani Khal	56.80 304	P	01 06 27.0 +1.6	
WBK	SNR=6.5	P	P	01 06 27.0 +1.6	
DQM	DQM	56.85 300	P	01 06 27.4 +1.5	
DQM	SNR=8.8	S	S	01 14 15.2 -0.1	
MHTO	MHTO	56.93 301	P	01 06 27.0 +0.6	
MHTO	SNR=18	P	P	01 06 27.0 +0.6	
MHTO	Przheval'sk	57.05 334	P	01 14 14.6 -1.7	
PRZ	Przheval'sk	57.05 334	P	01 06 26.8 -0.3	
PRZ	comp=Z,62nm,0.7s	Pmax	Pmax		
PRZ	Przheval'sk	57.05 334	P	01 06 26.8 -0.3	
PRZ	comp=Z,62nm,0.7s	IAMB	IAMB	01 07 24.6	
PRZ	Przheval'sk	57.05 334	P	01 06 27.2 +0.2	
PRZ	comp=Z,1umcomp=Z,75nm,0.9s	P	P	01 06 27.2 +0.2	
SHLS	Shalkode	57.16 335	eP	01 06 25.1 -2.6	
SHLS	Shalkode	57.16 335	eP	01 06 25.1 -2.6	
PDGK	Podgomye	57.29 336	P	01 06 27.9 -0.7	
PDGK	Podgomye	57.29 336	P	01 06 27.9 -0.7	
KDJ	Kajisay	57.30 333	P	01 06 27.8 -1.0	
KDJ	comp=Z,118nm,0.9s	Pmax	Pmax		
KDJ	Kajisay	57.30 333	P	01 06 27.8 -1.0	
KDJ	Kajisay	57.30 333	P	01 06 28.5 -0.4	
KDJ	comp=Z,1umcomp=Z,138nm,1.1s	P	P	01 06 28.5 -0.4	
UZB	Uzynbulak	57.33 335	eS	01 06 27.5 -1.4	
UZB	Uzynbulak	57.33 335	eS	01 14 19.6 -1.5	
UZB	Uzynbulak	57.33 335	eS	01 06 27.5 -1.4	
UZB	Uzynbulak	57.33 335	eS	01 11 52.7 -0.7	
JTM	Tenmabayashi	57.35 30	P	01 06 28.0 -1.0	
WSAR	Wadi Sarar	57.36 304	P	01 06 30.8 +1.4	
WSAR	SNR=11	S	S	01 14 22.6 +0.7	
JMDO	Jabal Madar	57.41 303	P	01 06 30.8 +1.1	
JMDO	SNR=11	S	S	01 06 30.8 +1.1	
SATY	Saty	57.52 335	eP	01 06 28.9 -1.3	
SATY	Saty	57.52 335	eP	01 14 22.3 -1.3	
SATY	Saty	57.52 335	eP	01 06 29.0 -1.3	
SATY	Saty	57.52 335	eP	01 14 22.4 -1.3	
KPKS	Kokpek	57.73 335	eP	01 06 30.2 -1.5	
KPKS	Kokpek	57.73 335	eP	01 06 30.2 -1.5	
NOUC	Port Laguerre	57.74 111	P	01 06 34.1 +2.0	
NOUC	Port Laguerre	57.74 111	P	01 06 33.6 +1.5	
NOUC	Port Laguerre	57.74 111	P	01 06 45.3 -2.0	
NOUC	Port Laguerre	57.74 111	P	01 07 25.2 +0.7	
SMDO	Samad	57.76 304	P	01 06 33.4 +1.1	
SMDO	SNR=14	P	P	01 06 33.4 +1.1	
SHAO	Shalim	57.77 297	iP	01 06 33.3 +1.0	
SHAO	SNR=8.1	P	P	01 06 33.3 +1.0	
SHAO	Shalim	57.77 297	P	01 06 33.6 +1.2	
SHAO	SNR=9.6	P	P	01 06 33.6 +1.2	
ULHL	Ulahol	57.82 333	P	01 06 32.6 +0.2	
ULHL	SNR=7.5	P	P	01 06 32.6 +0.2	
ONTNC	Ouen Toro	57.90 111	P	01 06 32.9 -0.3	
ONTNC	comp=Z,60nm,1.0s	IAMB	IAMB	01 06 47.6	
BIDO	Bidbid	57.90 304	P	01 06 35.0 +1.8	
BIDO	SNR=26	P	P	01 06 35.0 +1.8	
HIA	Hailar	57.98 9	P	01 06 33.2 -0.1	
HIA	comp=Z,30nm,0.8s	Pmax	Pmax		
HIA	Hailar	57.98 9	P	01 06 33.2 -0.1	
HIA	comp=Z,1um,22.0s	MLR	MLR		
HIA	Hailar	57.98 9	P	01 06 33.2 -0.1	
HIA	comp=Z,30nm,0.8s	IAMB	IAMB	01 07 26.3	
HIA	Hailar	57.98 9	IAMS_20	IAMS_20	01 31 17.8
HIA	comp=Z,1um,22.0s	IAMS_20	IAMS_20	01 06 33.2 -1.6	
TNSS	Tian-Shan	58.13 334	eP	01 06 33.3 -1.6	
TNSS	Tian-Shan	58.13 334	eP	01 06 33.3 -1.6	
BOOM	Boomskeye usch	58.15 333	P	01 06 34.1 -0.6	
BOOM	Boomskeye usch	58.15 333	P	01 06 34.1 -0.6	
BOOM	comp=Z,41nm,0.8s	Pmax	Pmax		
BOOM	Boomskeye usch	58.15 333	P	01 06 34.1 -0.6	
BOOM	comp=Z,25nm,0.8s	IAMB	IAMB	01 06 37.0	
BOOM	Boomskeye usch	58.15 333	P	01 06 34.6 -0.2	
BOOM	comp=Z,651nmcomp=Z,53nm,1.2s	P	P	01 06 34.6 -0.2	
OHH	Osh	58.17 329	P	01 06 32.5 -2.4	
MDOK	Medeo	58.19 334	eP	01 06 33.6 -1.4	
MDOK	Medeo	58.19 334	eP	01 06 33.6 -1.4	
CASY	Casey	58.19 179	P	01 06 34.5 0.0	
CASY	Casey	58.19 179	IAMS_20	IAMS_20	01 26 14.1
CASY	comp=Z,2um,20.0s	P	P	01 06 35.2 +0.8	
CASY	Casey	58.19 179	P	01 06 34.7 +0.3	
CASY	DMTO	58.26 296	P	01 06 36.8 +1.0	
CASY	DMTO	58.26 296	P	01 06 36.8 +1.0	
DMTO	SNR=9.6	S	S	01 14 34.7 +0.9	
OUCNC	Ouen Island, N	58.26 111	P	01 06 37.4 +1.6	
OUCNC	Ouen Island, N	58.26 111	P	01 06 35.5 -0.3	
OUCNC	Ouen Island, N	58.26 111	IAMB	IAMB	01 06 40.3
OUCNC	Ouen Island, N	58.26 111	P	01 06 35.5 -0.3	
HILR	Hailar Array B	58.27 9	P	01 06 35.6 +0.4	
HILR	comp=Z,5.7nm,0.4s,baz=187,slow=9.0,SNR=8.3	PcP	PcP	01 07 26.6 +0.7	

HILR	comp=Z,18nm,0.7s,baz=180,slow=5.5,SNR=7.6	LR	LR	01 34 01.7		
AAA	Alma-Ata	58.28 334	eP	01 06 34.4 -1.1		
AAA	Alma-Ata	58.28 334	eP	01 06 34.4 -1.1		
AAA	Alma-Ata	58.28 334	eP	01 06 34.5 -1.1		
YATNC	Mamie plateau,	58.28 111	P	01 06 38.2 +2.3		
ZAK	Zakamensk	58.31 356	eP	01 06 35.3 -0.3		
ZAK	comp=Z,12nm,1.0s	Pmax	Pmax			
BSY	Biya	58.32 303	P	01 06 37.4 +1.2		
BSY	SNR=14	P	P	01 06 38.9 +2.5		
SANVU	Saraoutou	58.34 103	P	01 06 36.0 -0.3		
SANVU	Saraoutou	58.34 103	P	01 06 40.0		
SANVU	comp=Z,82nm,0.9s	IAMB	IAMB	01 06 35.5 -0.9		
SANVU	Saraoutou	58.34 103	P	01 06 35.5 -0.9		
SANVU	comp=Z,97nm,0.9s,comp=Z,1um	P	P	01 06 39.4 +1.4		
HOQ	Hoqain	58.60 304	P	01 06 35.7 -2.6		
HOQ	SNR=22	P	P	01 06 35.7 -2.6		
UCH	Uchtor	58.61 331	P	01 06 37.1 -1.1		
UCH	SNR=18	P	P	01 06 37.1 -1.1		
TKMK2	Tokmak 2	58.64 333	P	01 06 36.6 -1.8		
TKMK2	SNR=122	P	P	01 06 36.6 -1.8		
ARSB	Arslanbob	58.67 330	P	01 06 36.6 -1.8		
ARSB	Arslanbob	58.67 330	P	01 06 39.5 +0.6		
ARSB	comp=Z,106nm,0.8s	Pmax	Pmax			
ARSB	Arslanbob	58.67 330	P	01 06 39.5 +0.6		
ARSB	Karagaybulak	58.73 332	P	01 06 39.5 +0.6		
PINNC	Pines Island,	58.84 111	IAMB	IAMB	01 06 39.9 -0.2	
PINNC	comp=Z,82nm,1.0s	IAMB	IAMB	01 07 06.7		
RBK	Rabkut	58.84 296	P	01 06 41.0 +1.1		
RBK	SNR=17	P	P	01 06 41.0 +1.1		
BTK	Batken	58.87 327	P	01 06 38.6 -1.1		
BTK	Batken	58.87 327	P	01 06 38.6 -1.1		
BTK	comp=Z,105nm,0.8s	Pmax	Pmax			
BTK	Batken	58.87 327	P	01 06 38.6 -1.1		
BTK	comp=Z,1umcomp=Z,162nm,0.9s	P	P	01 06 38.9 -0.8		
ZSN	Zaisan	58.91 342	eP	01 06 38.8 -0.9		
ZSN	Zaisan	58.91 342	eP	01 14 40.0 -0.9		
ZSN	Zaisan	58.91 342	eP	01 06 38.8 -0.9		
ZSN	Zaisan	58.91 342	eP	01 14 40.0 -0.9		
AAK	Ala-Archa	59.93 332	LR	LR	01 34 40.7	
AAK	Ala-Archa	59.93 332	LR	LR	01 06 39.4 -0.8	
AAK	Ala-Archa	59.93 332	iP	P	01 06 39.9 -0.4	
AAK	Ala-Archa	59.93 332	eP	Pmax	01 06 39.8 -0.4	
AAK	Ala-Archa	59.93 332	eP	Pmax	01 06 39.8 -0.4	
AAK	Ala-Archa	59.93 332	P	IAMB	01 07 32.1	
AAK	Ala-Archa	59.93 332	P	IAMB	01 07 32.1	
AAK	Ala-Archa	59.93 332	P	IAMS_20	IAMS_20	01 33 56.9
AAK	Ala-Archa	59.93 332	P	P	01 06 39.6 -0.6	
FRU1	Bishkek	59.00 332	P	01 06 39.8 -0.7		
FRU1	comp=Z,72nm,0.9s	Pmax	Pmax			
FRU1	Bishkek	59.00 332	P	01 06 39.8 -0.7		
FRU1	Bishkek	59.00 332	P	01 06 41.6		
KUU	Kuryt	59.08 334	eP	01 06 39.8 -1.2		
KUU	comp=Z,72nm,0.9s	Pmax	Pmax			
KUU	Kuryt	59.08 334	eP	01 06 39.8 -1.2		
KUU	comp=Z,43nm,0.9s	P	P	01 06 39.8 -1.2		
CHMS	Chumysh	59.09 332	P	01 06 40.4 -0.7		
CHMS	SNR=18	P	P	01 06 40.4 -0.7		
KNGR	Kungurtug, Tuv	59.09 352	iP	01 06 41.5 +0.4		
KNGR	comp=Z,18nm,0.8s	Pmax	Pmax			
TDK	Taldygorghan	59.11 336	eP	01 06 40.0 -1.2		
TDK	Taldygorghan	59.11 336	eP	01 06 40.0 -1.2		
TDK	Taldygorghan	59.11 336	eP	01 06 40.0 -1.2		
TDK	Taldygorghan	59.11 336	eP	01 06 40.0 -1.2		
ARQ	Araki	59.14 303	P	01 06 42.8 +1.0		
ARQ	SNR=12	P	P	01 06 42.8 +1.0		
MK31	Makanchi Array	59.17 340	eP	01 06 40.5 -1.0		
MK31	Makanchi Array	59.17 340	eP	01 06 40.5 -1.0		
MK31	comp=Z,71nm,0.7s,baz=150,slow=7.2,SNR=189	PcP	PcP	01 07 30.6 +1.1		
MKAR	Makanchi Array	59.17 340	P	01 11 26.3 +1.0		
MKAR	comp=Z,24nm,0.7s,baz=134,slow=6.9,SNR=7.9	ScP	ScP	01 11 26.3 +1.0		
MKAR	comp=Z,7.4nm,0.9s,baz=134,slow=6.9,SNR=7.9	LR	LR	01 35 18.7		
MKAR	comp=Z,640nm,20.6s,baz=135,slow=39	LR	LR			
MKAR	comp=Z,1.7nm,0.7s,baz=142,slow=6.0,SNR=14	P4Kpbc	P4Kpbc	01 43 40.9		
MKAR	Makanchi Array	59.17 340	P	01 06 40.5 -1.1		
MKAR	Makanchi Array	59.17 340	P	01 07 30.3 +0.7		
MKAR	Makanchi Array	59.17 340	P	01 11 26.0 +0.7		
MKAR	Makanchi Array	59.17 340	P	01 06 43.9 +1.8		
JASK	Jask - Hormozg	59.18 306	P	01 06 41.9 -0.7		
EKS2	Erkin-Say	59.29 331	P	01 06 42		

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Table with columns for station name, frequency, power, and signal strength. Includes stations like KURK Kurchatov, WAKE Wake Island, ZALV Zalesovo Beam, etc.

2020 OCT

Table with columns for station name, frequency, power, and signal strength. Includes stations like PETK Petropavlovsk, SEKA Sheki, POGA Pongola, etc.

1404

Table with columns for station name, frequency, power, and signal strength. Includes stations like KIV Kislovodsk, KOPD Kop Dagji, SEY Seymchan, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like TIXI, KDWAN, KSWANE, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like MOS, OBN, TAV, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like CAVK, AK09, AK10, etc.



















AFI	Afiamalau	65.54 105	LR	LR	07 08 34.2
BVAR	Borovoye Array	69.26 329	P	P	06 39 12.0 -1.9
TIXI	Tiksi	72.38 2	LR	LR	07 14 18.8
NRKI	Noril'sk	73.98 348	LR	LR	07 15 25.9
AKTO	Aktyubinsk	75.07 323	LR	LR	07 15 04.7
MAW	Mawson	78.38 200	P	P	06 40 07.2 +0.1
VNDA	Vanda	79.47 172	P	P	06 40 12.6 -0.4
VNDA	Vanda	79.47 172	P	P	07 14 49.3
VNDA	Vanda	79.47 172	P	P	06 40 12.9 -0.1
EIL	Eilat	88.90 300	LR	LR	07 27 35.5
QSPA	South Pole Qui	89.18 180	P	P	06 41 01.7 -0.9
QSPA	South Pole Qui	89.18 180	P	P	06 41 02.2 -0.3
ILAR	Eielson Array	90.62 25	P	P	06 41 08.3 -0.8
MBAR	Mbarara	92.51 269	LR	LR	07 22 03.2
BOSA	Boschof	96.67 241	LR	LR	07 24 55.0
TROLL	Troll, Antarti	98.41 196	IPdfiff		06 41 37.5 -7.4
TXAR	Lajitas Array	127.06 53	PKP	PKPdf	06 47 10.8 -1.3
PLCA	Paso Flores	136.83 165	PKP	PKPdf	06 47 29.3 -0.9
CPUP	Villa Florida	156.06 179	PKPbc	PKPbc	06 48 04.7 -0.7

DMN 25 06:36:43.4 0.4, 26:38N-88:74E, h2km, M4.4/9, Error ellipse: s-maj=30, 1km s-min=5, 8km az=19.0  
 NDI 25 06:36:44.6 1.8, 27:27N-88:53E, h5km, ML3.5, MW3.2, Presumed earthquake  
 ISC 25 06:36:47.0 2.1, 27.07N-0.05-88.66E:0.03, h13km, 16km, n18, e132/32, Sikkim

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC h m s ISC
JPG	JALPAIGURI	0.53 174	Op Pn	06 36 58.8 +0.6	06 37 09.2 +0.2
JPG	JPG		eS IAML	06 37 09.8	
JPG	comp=E, 1µm, 0.1s		IAML	06 37 09.9	
ODAN	Odare	1.15 260	Pg Pb	06 37 07.7 -1.3	
ODAN	comp=N, 1µm, 0.2s		Sg Sb	06 37 24.2 +0.3	
ODAN	comp=N, 1µm, 0.2s, baz=292, slow=0.0		AML		
RAMN	Ramite	1.84 267	Pg Pn	06 37 19.6 +1.0	
RAMN	comp=N, 1µm, 0.3s, baz=287, slow=0.0		Sg Sg	06 37 45.6 -0.7	
RAMN	comp=N, 1µm, 0.3s, baz=287, slow=0.0		AML		
SHBG	Sahibganj	2.05 207	eP Pb	06 37 24.9 +0.8	
SHBG	SHBG		eS IAML	06 37 49.5 -0.1	
SHBG	comp=E, 564nm, 0.1s		IAML	06 37 55.4	
SHBG	comp=N, 668nm, 0.1s		IAML	06 37 55.8	
GUN	Gumba	2.61 289	Pn Pn	06 37 29.6 +0.4	
GUN	comp=N, 393nm, 0.3s, baz=302, slow=0.0		Sn Sb	06 38 04.9 -1.0	
GUN	comp=N, 393nm, 0.3s, baz=302, slow=0.0		AML		
PKI	Pulchoki	2.93 280	Pn Pn	06 37 33.2 -0.5	
PKI	comp=N, 234nm, 0.3s, baz=292, slow=0.0		Sn Sn	06 38 10.7 +1.7	
PKI	comp=N, 234nm, 0.3s, baz=292, slow=0.0		AML		
PKIN	Phulchoki	2.94 281	Pn Pn	06 37 33.4 -0.4	
PKIN	comp=N, 242nm, 0.2s, baz=292, slow=0.0		Sn Sn	06 38 10.3 +1.1	
PKIN	comp=N, 242nm, 0.2s, baz=292, slow=0.0		AML		
KKN	Kakani	3.09 284	Pn Pn	06 37 35.7 0.0	
KKN	comp=N, 197nm, 0.2s, baz=295, slow=0.0		Sn Sn	06 38 14.4 +1.8	
KKN	comp=N, 197nm, 0.2s, baz=295, slow=0.0		AML		
DMN	Daman	3.21 280	Pn Pn	06 37 36.8 -0.5	
DMN	comp=N, 46nm, 0.2s, baz=292, slow=0.0		Sn Sn	06 38 16.4 +0.8	
DMN	comp=N, 46nm, 0.2s, baz=292, slow=0.0		AML		
SHL	Shillong	3.26 117	eP eS	06 37 39.0 +1.0	
SHL	SHL		eS IAML	06 38 01.2 -3.4	
SHL	comp=N, 289nm, 0.1s		IAML	06 38 32.7	
GKN	Gorkha	3.69 285	Pn Pn	06 37 44.1 +0.2	
GKN	comp=N, 295, slow=0.0		Sn Sn	06 38 28.2 +0.8	
GKN	comp=N, 295, slow=0.0		AML		
GKN	comp=N, 151nm, 0.2s, baz=295, slow=0.0		AML		
TEZP	TEZPUR	3.73 96	eP IAML	06 37 45.0 +0.7	
TEZP	comp=N, 200nm, 0.2s		IAML	06 38 46.4	
TEZP	comp=N, 181nm, 0.2s		IAML	06 38 46.5	
BOK	Bokaro	4.12 218	eP eS	06 37 50.5 +0.9	
BOK	comp=N, 121nm, 0.3s		IAML	06 38 35.8 -1.9	
BOK	comp=N, 121nm, 0.3s		IAML	06 39 00.5	
DANN	Dangsing	4.53 287	Pn Pn	06 37 54.8 -0.7	
DANN	comp=N, 69nm, 0.3s, baz=295, slow=0.0		Sn Sn	06 38 47.9 -0.3	
DANN	comp=N, 69nm, 0.3s, baz=295, slow=0.0		AML		
ZIRO	ZIRO	4.64 83	ex eS	06 38 10.5 +2.1	
ZIRO	comp=N, 79nm, 0.3s		Pn Pn	06 38 49.3 -1.6	
ZIRO	comp=N, 79nm, 0.3s		AML		
AZL	Aizawl	4.93 131	ix x	06 38 09.2	
AZL	comp=N, 38nm, 0.5s		IAML	06 39 04.3	
AZL	comp=N, 24nm, 0.3s		IAML	06 39 05.1	
KOHI	KOHIMA	5.07 104	ex eS	06 38 08.1 +5.2	
KOHI	comp=N, 97nm, 0.7s		IAML	06 39 27.0	
KOHI	comp=N, 97nm, 0.7s		IAML	06 39 28.4	
MOKO	MOKOCHONG	5.29 97	eS S	06 39 04.3 -2.6	

IDC 25 07:11:27.3 1.7, 38:70N-141:93E, h0km, mb3.7/2, mbtmp3.8/5, ML2.6/3, Error ellipse: s-maj=38.2km s-min=22.6km az=107.0  
 JMA 25 07:11:44.5 0.1, 38:28N-140:7E:0.3, h99km, MV3.2/40, SOUTHERN MOUNTAINS

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC h m s ISC
JOU	Okura	0.18 348	iP S	07 11 58.7 -0.1	
JOU	Marumori	0.33 169	iP S	07 12 09.3 -0.8	
JMM	Shirataka	0.51 274	iP S	07 12 10.7 -0.2	
JYS	Ouri	0.57 62	iP S	07 12 00.3 -0.1	
JIO	Ouri	0.57 62	iP S	07 12 00.7 0.0	
JIO	Ouri	0.57 62	iP S	07 12 12.7 -0.7	
JOTO	OTAMA OYAMA	0.69 206	iP S	07 12 02.3 +0.5	
JOTO	OTAMA OYAMA	0.69 206	iP S	07 12 15.9 +0.6	
JYK	Kaneyama	0.78 339	iP S	07 12 02.2 -0.3	

JYK	Kawauchi	0.83 171	iP S	07 12 15.5 -1.2
JFK	JFK		Pn Pn	07 12 03.6 +0.6
JFK	JFK		Pn Pn	07 12 17.9 +0.4
JMK	Ichinoseki	0.86 27	iP Pn	07 12 03.3 0.0
JYA	Atsumi	0.89 298	iP S	07 12 03.3 -0.2
JYA	JYA		Pn Pn	07 12 17.9 -0.6
JFY	Yanaizu	1.11 226	iP S	07 12 06.7 +0.7
JFY	JFY		eS Pn	07 12 23.2 +0.5
JNS	Sasagawa	1.16 252	P S	07 12 06.6 +0.1
JNS	JNS		eS Pn	07 12 23.1 -0.5
JAW	Awa shima	1.18 284	P S	07 12 06.6 -0.1
JAW	JAW		S S	07 12 13.1 -0.9
JRG	Rokujo	1.21 357	P S	07 12 07.3 +0.3
JRG	JRG		S S	07 12 25.2 +0.6
JOM	Ohasama	1.36 19	iP S	07 12 09.2 +0.5
JOM	JOM		Pn Pn	07 12 27.4 +0.3
JOM	JOM		Pn Pn	07 12 25.3 +1.0
MJAR	Matsushiro Arr	2.58 231	0.4nm, 0.3s, baz=31, slow=13, SNR=39	
MJAR	MJAR		AML	
JHJ	Hachijo jima 2	5.11 189	0.5nm, 0.3s, baz=205, slow=15, SNR=16	
JHJ	JHJ		Pn Pn	07 12 57.2 -0.9
JHJ	JHJ		S S	07 13 52.8 -3.2
JHJ	JHJ		AML	
PETK	Petrovlovsk-	19.00 33	10.0nm, 1.0s	
PETK	PETK		AML	
PETK	PETK		P	07 15 38.3 -1.9
H1N2	WAKE ISLAND Hy	29.22 122	T	07 48 04.4
H1N1	WAKE ISLAND Hy	29.23 122	T	07 48 04.0
H1N3	WAKE ISLAND Hy	29.24 122	T	07 48 08.0
H1S1	WAKE ISLAND Hy	29.25 124	T	07 49 00.3
H1S3	WAKE ISLAND Hy	29.25 124	T	07 49 00.7
H1S2	WAKE ISLAND Hy	29.29 124	T	07 49 01.8
KURBB	Kurchatov Arra	44.86 307	1.0nm, 0.5s, baz=81, slow=7.9, SNR=10	
KURBB	KURBB		P	07 19 47.1 -0.1
WRA	Warramunga Arr	58.13 187	0.2nm, 0.4s, baz=5.6, slow=7.2, SNR=4.6	
WRA	WRA		P	07 21 27.2 +0.9

PRU 25 07:37:52.1, 42:89N:13:31E, h0km  
 SARA 25 07:37:53.6 0.2, 43:00N:0:00E:13:147E:0:00E, h6km, ML4.1/8, Mw3.7/8  
 ROM 25 07:37:53.1 0.0, 43:01N:0:00E:13:146E:0:00E, h9km, ML3.0/135, Error ellipse: s-maj=0.2km s-min=0.1km az=60.0

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC h m s ISC
FDMO	Fiordimonte	0.08 288	Op Pn	07 37 55.4 -0.3	
FDMO	FDMO		Pg Sg	07 37 56.7 -1.0	
CSP1	Cessapalombo	0.08 7	iP Pn	07 37 55.0 0.0	
CSP1	CSP1		S S	07 37 57.5 -0.4	
CSP1	comp=N, 54200µm, 0.7s		AML		
CSP1	comp=N, 53550µm, 1.0s		AML		
CSP1	comp=N, 46416µm, 0.2s		AML		
CSP1	comp=N, 46416µm, 0.2s		AML		
CSP1	comp=N, 46416µm, 0.2s		AML		
MC2	Monte Cornacci	0.10 180	P S	07 37 56.3 +0.2	
MC2	MC2		Sg Sg	07 37 58.2 -0.1	
FEMA	Monte Fema	0.12 245	iP Pn	07 37 56.2 0.0	
FEMA	FEMA		S S	07 37 58.0 -0.5	
FEMA	comp=N, 99950µm, 0.3s		AML		
FEMA	comp=N, 81050µm, 0.5s		AML		
FEMA	comp=N, 81050µm, 0.5s		AML		
FEMA	comp=N, 81050µm, 0.5s		AML		
GUMA	Guido di Mace	0.12 64	iP Pn	07 37 56.9 -0.3	
GUMA	GUMA		Sb S	07 37 59.7 +1.3	
GUMA	comp=N, 50950µm, 0.6s		AML		
GUMA	comp=N, 34100µm, 0.7s		AML		
GUMA	comp=N, 34100µm, 0.7s		AML		
GUMA	comp=N, 39200µm, 0.7s		AML		
GUMA	comp=N, 59450µm, 0.6s		AML		
GUMA	comp=N, 46961µm, 0.6s		AML		
GUMA	comp=N, 46961µm, 0.6s		AML		
GUMA	comp=N, 50952µm, 0.6s		AML		
GUMA	comp=N, 29576µm, 0.7s		AML		
GUMA	comp=N, 29576µm, 0.7s		AML		
GUMA	comp=N, 46961µm, 1.4s		AML		
GUMA	comp=N, 29576µm, 1.4s		AML		
PF6	Plevetavera	0.14 0	P S	07 37 56.3 -0.1	
PF6	PF6		Sg Sg	07 37 58.5 -0.4	
MTCL	Monte Cavallo	0.14 263	P S	07 37 56.4 -0.1	
MTCL	MTCL		Pg Sg	07 37 58.7 -0.3	
MMOT	Montemonaco	0.15 138	P S	07 37 57.2 -0.6	
MMOT	MMOT		Sb S	07 37 60.0 +0.8	
SAP2	Sant' Angelo in	0.17 61	iP S	07 37 58.0 -0.1	
SAP2	SAP2		S S	07 38 01.7 +2.0	
SAP2	comp=N, 11225µm, 0.5s		AML		
SAP2	comp=N, 53950µm, 0.6s		AML		
SAP2	comp=N, 53950µm, 0.6s		AML		
SAP2	comp=N, 11216µm, 0.5s		AML		
SAP2	comp=N, 53944µm, 0.6s		AML		
SAP2	comp=N, 9621µm, 5.2s		AML		
MRSJG	Ripe San Gines	0.18 46	Pg Sg	07 37 58.0 -0.2	
MRSJG	MRSJG		Pb Sg	07 38 01.9 +2.0	
MDAR	Monte D'Aria	0.18 349	P S	07 37 57.3 +0.1	
MDAR	MDAR		Sg Sg	07 38 00.4 +0.2	
MDAR	comp=N, 2875µm, 0.4s		AML		
MDAR	comp=N, 4375µm, 0.4s		AML		
MDAR	comp=N, 2880µm, 0.4s		AML		
MDAR	comp=N, 4370µm, 0.4s		AML		

Table with columns for station name, frequency, and signal strength. Includes stations like LNSS, FOSV, MMUR, CAD A, CIMA, MOMA, RM33, ARVD, SSFR, ARRO, MURB.

Table with columns for station name, frequency, and signal strength. Includes stations like ATSC, TRTR, ATFO, CESX, FRON, AOI, GIGS, COR1, ATLO, ATBU, TBO1, AQU, TBO2, ATVO, UMBT, MPAG, RM33, ARVD, SSFR, ARRO, MURB.

Table with columns for station name, frequency, and signal strength. Includes stations like MGAB, FAGN, MMP1, ATMC, PE3, BADI, OBKA, MYKA, ABTA, KBA, SESA, FETA, WTTA, LESA, SQTA, WATA, ARSA, MOTA, BIOA, DAVA, MOA, RONA, CONA, WINA, CKRC, KHC, IDP, WEL, ISC.

FUNV 25 07:48:36.9, 10:46N:62:67W, h3km, MW3.1, Presumed earthquake
TRN 25 07:48:39.4, 10:55N:62:37W, h122km, MD3.9, Paria peninsula.

ISC 25 07:48:34.5:2.1, 10:41N:0:10:62:57W:0:08, h136km:21km, n15, c193929, 1C, Near coast of Venezuela

Table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Residual. Lists seismic stations and their recorded data.

IDC 25 07:58:54.5:1.1, 15:79N:96:14W, h0km, mb4.0/8, mbtmp4.0/10, ML4.1/2, MS3.6/22, Error ellipse: s-maj=23.2km s-min=12.6km az=29.0

MEX 25 07:58:54.3:1.5, 15:48N:96:36W, h25km:16km, MD4.5, Presumed earthquake

NEIC 25 07:58:56.2:1.6, 15:73N:0:06:96:32W:0:04, h18km:5km, mb4.4/180, Md4.5/163(MEX), Error ellipse: s-maj=8.7km s-min=4.8km az=158.0

CATAC 25 07:58:59.0:1.0, 16:14N:14:9:6W:1:0, h134km:27km, M4.6/7, mb4.4/5, mb4.9/1, MLV4.8/7, Mw(MB)4.2/1, Error ellipse: s-maj=34.8km s-min=10.6km az=32.8, confirmed

ISC 25 07:58:53.9:0.9, 15:66N:0:04:96:42W:0:02, h14km:6km, n273, c2636/321, mb4.4/51, MS3.5/21, Near coast of Oaxaca

Main table of seismic stations and recorded data, including station names like Huatulco, Oaxaca, and various regional stations.

Table of seismic stations and recorded data, including station names like Atlixo, Mezcala, and various regional stations.

Table of seismic stations and recorded data, including station names like Emiliano Zapata, Tepich, Zacatecas, and various regional stations.



Table with columns: Station Name, Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HARP, GLI, DAWY, etc.

Station Name: IDC 25 08:25:25.1±1.2, 54°83'N; 159°84'W, h0km, mb3.8/9, mblmp3.7/13, ML3.1/4, MS3.4/1, Error ellipse: s-maj=29.3km s-min=15.2km az=166.0

Station Name: NEIC 25 08:25:28.1±1.2, 54°62'N; 0°04:159°63'W; 0.07, h23km, 7km, mb3.8/7, ML3.8/40, ML3.3(AEIC), Error ellipse: s-maj=5.9km s-min=5.1km az=124.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CHNA, CHNA, SDPT, etc.

Table with columns: Station Name, Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ANPB, ANPK, ANPK, etc.

Station Name: IDC 25 08:25:25.1±1.2, 54°83'N; 159°84'W, h0km, mb3.8/9, mblmp3.7/13, ML3.1/4, MS3.4/1, Error ellipse: s-maj=29.3km s-min=15.2km az=166.0

Station Name: NEIC 25 08:25:28.1±1.2, 54°62'N; 0°04:159°63'W; 0.07, h23km, 7km, mb3.8/7, ML3.8/40, ML3.3(AEIC), Error ellipse: s-maj=5.9km s-min=5.1km az=124.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ANPB, ANPK, ANPK, etc.

Table with columns: Station Name, Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EYK, EYK, H31M, etc.

Station Name: IDC 25 08:46:43.3±2.0, 81°83'N; 4°05'W, h20km, 22km, ML3.1(NAO), Confirmed Earthquake

Station Name: NEIC 25 08:46:46.2±2.4, 81°67'N; 4°77'W, h45km, 31km, ML2.3, Presumed earthquake

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BRBB, BRBB, BRBA, etc.

Station Name: IDC 25 09:14:17.2±1.0, 38°49'S; 178°41'E, h0km, mb4.4/6, mblmp4.3/6, MS3.5/16, Error ellipse: s-maj=35.2km s-min=19.7km az=19.0

25d 9h

Table with columns: Station Name, Frequency, Power, Modulation, Bandwidth, and other technical details. Includes stations like TWGZ, WSRZ, WHRZ, MWZ, etc.

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Table with columns: Station Name, Frequency, Power, Modulation, Bandwidth, and other technical details. Includes stations like WHTZ, KUTZ, BKZ, etc.

1418

Table with columns: Station Name, Frequency, Power, Modulation, Bandwidth, and other technical details. Includes stations like GVZ, LTZ, INZ, etc.

1418
IDC 25 09:19:25.70,9,27.68N,143.59E,h0km,mb3.8/8,
mbtmp3.8/9,ML2.9/1,MS2.5/2,Error ellipse=s-maj=26.6km
s-min=17.9km az=82.0
JMA 25 09:19:27.0,3,2.8°N,3.14°E, h0km,MV3.9/13,NEAR
CHICHUJIMA ISLAND
ISC 25 09:19:28.1,0,9,27.76N,143.35E,0.10,h15km,n19,
e1955/18,mb3.9/8,Bonin Islands region











GT2A		pP	pP	11 16 41.5 -1.0
GT2A		pPmax	pPmax	
BRDH	comp=Z,30nm,1.1s			
BRDH	Bariadhala	75.81 297 LR	LR	11 48 55.3
BRDH	comp=Z,50nm,2.1s,baz=120,slow=5			
YAK	Yakutsk	76.19 345c /P	pPmax	11 16 26.0 +0.1
YAK	comp=Z,244nm,1.3s			
YAK	Yakutsk	76.19 345 P	P	11 16 26.1 +0.2
YAK	Yakutsk	76.19 345 P	P	11 16 26.6 +0.6
YAK	comp=Z,219nm,0.9s			
YAK	Yakutsk	76.19 345 pP	pP	11 16 44.1 -1.0
YAK	Yakutsk	76.19 345 pP	pP	11 16 26.5 +0.6
YAK	Yakutsk	76.19 345 pP	pP	11 16 46.8 -0.8
P16K	Nushagak River	76.33 20 P	IAMB	11 16 27.6 +0.9
P16K	comp=Z,107nm,1.0s			11 16 28.4
L14K	Kuka Creek	76.67 17 P	IAMB	11 16 30.1 +1.5
L14K	comp=Z,69nm,1.2s			11 16 31.5
OHAK	Old Harbor	76.73 23 P	P	11 16 30.8 +1.7
OHAK	Old Harbor	76.73 23 P	P	11 16 30.5 +1.4
OHAK	comp=Z,49nm,1.1s			11 16 50.9
KDAK	Kodiak Island	77.40 23j /eP	eP	11 16 32.4 -0.4
KDAK	comp=Z,124nm,1.3s			
KDAK	Kodiak Island	77.40 23 P	IAMB	11 16 33.8 +1.0
KDAK	comp=Z,72nm,1.0s			11 16 54.5
KDAK	Kodiak Island	77.40 23 P	P	11 16 34.1 +1.3
KDAK	comp=Z,79nm,1.0s			
KDAK	Kodiak Island	77.40 23 pP	pP	11 16 52.5 +0.4
KDAK	Kodiak Island	77.40 23 pP	pP	11 16 53.8 +1.0
GOMU	GeErMu	77.81 311 pP	pP	11 16 53.1 +1.0
GOMU	comp=Z,7.0nm,0.8s			11 16 37.5 +1.4
BILL	Bilibino	78.13 2c /P	pPmax	11 16 37.6 +0.9
BILL	comp=Z,152nm,1.7s			
BILL	Bilibino	78.13 2 P	P	11 16 37.7 +1.0
BILL	Bilibino	78.13 2 pP	pP	11 16 57.7 -0.5
BILL	Bilibino, Chuk	78.16 2 P	pP	11 16 37.9 +1.1
BILL	comp=Z,91nm,1.4s			
BILL	Zakamensk	78.68 326 pP	pP	11 16 56.4 +0.3
ZAK	Zakamensk	78.68 326 eP	pPmax	11 16 40.1 -0.1
CNPM	China Pool	79.11 22 P	P	11 16 43.8 +1.6
RED	Redoubt Volcan	79.16 21 P	P	11 16 42.6 0.0
TLY	Talaya	79.17 328 P	P	11 16 43.2 +0.4
J17K	VABM Dome	79.33 17 P	IAMB	11 16 45.0 +1.6
J17K	comp=Z,65nm,0.8s			11 16 46.5
BRLK	Bradley Lake	79.40 22 P	IAMB	11 16 45.1 +1.2
BRLK	comp=Z,105nm,1.2s			11 16 46.3
M19K	Big River Lodg	79.66 20 P	P	11 16 46.7 +1.5
L19K	White Mountain	79.71 19 P	IAMB	11 16 47.2 +1.7
L19K	comp=Z,64nm,0.7s			11 16 48.5
QSPA	South Pole Qui	79.78 180 P	P	11 16 46.3 +0.3
QSPA	comp=Z,64nm,0.7s,baz=354,slow=0.9,SNR=271			
QSPA	South Pole Qui	79.78 180 P	IAMB	11 16 46.1 0.0
QSPA	comp=Z,79nm,0.8s			11 16 47.4
QSPA	South Pole Qui	79.78 180 P	P	11 16 46.5 +0.5
QSPA	comp=Z,120nm,0.9s			
QSPA	South Pole Qui	79.78 180 P	P	11 16 46.4 +0.3
QSPA	comp=Z,120nm,0.9s			
PMR	Palmer	81.26 22 pP	pP	11 17 07.5 +1.4
EVN	Everest	81.52 300 P	P	11 16 55.3 +1.6
EVN	comp=Z,139m,0.8s			11 16 56.9 +0.1
KNGR	Kungurtag, Tuv	82.01 325j /eP	ePmax	11 16 59.5 +1.4
KNGR	comp=Z,14nm,1.1s			
PALK	Pallekele	82.03 279j /eP	ePmax	11 16 59.0 -1.5
PALK	comp=Z,23nm,1.3s			
COLA	College	83.84 19 P	P	11 17 07.6 +0.6
COLA	College	83.84 19c /P	pPmax	11 17 07.3 +0.2
COLA	comp=Z,89nm,0.9s			
COLA	College	83.84 19 P	P	11 17 07.7 +0.6
COLA	comp=Z,129nm,0.9s			
COLA	College	83.84 19 pP	pP	11 17 25.7 -0.9
COLA	College	83.84 19 pP	pP	11 17 07.4 +0.3
COLA	College	83.84 19 pP	pP	11 17 11.5 +0.5
COLA	College	83.84 19 pP	pP	11 17 26.8 +0.1
COLA	College	83.84 19 pP	pP	11 17 36.0 +1.5
COLA	College	83.84 19 pP	pP	11 17 08.1 +0.5
MAW	Mawson	83.91 202 P	P	11 17 07.8 +0.3
MAW	comp=Z,11nm,1.0s			
MAW	Mawson	83.91 202 P	P	11 17 07.8 +0.3
MAW	comp=Z,22nm,1.0s,baz=103,slow=6.6,SNR=21			
MAW	comp=Z,45nm,0.9s,baz=99,slow=6.9,SNR=16			11 17 25.6 -2.0
MAW	comp=Z,22nm,1.0s			
MAW	Mawson	83.91 202 P	P	11 17 08.1 +0.5
MAW	comp=Z,10nm,1.0s			
MENT	Mentasta	84.08 22 pP	pP	11 17 25.5 -2.2
ILAR	Eielson Array	84.09 20 P	P	11 17 20.2 -0.8
ILAR	comp=Z,22nm,0.6s,baz=242,slow=5.2,SNR=348			11 17 08.8 +0.4
ILAR	comp=Z,10nm,0.7s,baz=257,slow=4.9,SNR=8.9			11 17 27.5 -0.5
TIXI	Tiksi	84.53 350j /eP	ePmax	11 17 10.2 -0.2
TIXI	comp=Z,70nm,1.7s			
TIXI	Tiksi	84.53 350 P	P	11 17 10.7 +0.3
F24K	Squaw Lake	85.55 17 P	IAMB	11 17 17.3 +1.6
F24K	comp=Z,46nm,1.3s			11 17 19.2
JIS	Junesau Island	85.55 28 P	P	11 17 17.7 +1.9
WMQ	Urumqi	85.60 316 pP	pP	11 17 13.0 -3.5
WMQ	comp=Z,26nm,0.7s			11 17 33.5 -2.6
WMQ	comp=Z,24nm,0.7s			11 27 36.5 +1.0
WMQ	comp=Z,24nm,0.7s			
SKAG	Skagway	85.67 27 P	P	11 17 18.1 +1.7
SAO	San Andreas Ge	85.85 52 pP	pP	11 17 20.4 +2.6
HYB	Hyderabad	86.42 288 eP	eP	11 17 20.2 -0.8
HYB	Hyderabad	86.42 288 pP	pP	11 20 44.3 +0.8
HYB	Hyderabad	86.42 288 pP	pP	11 27 39.2 -2.4
HYB	Hyderabad	86.42 288 pP	pP	11 27 39.2 -2.4
NVAR	Mina Array Bea	86.69 51 P	IAMB	11 17 33.7 +1.9
NVAR	comp=Z,12nm,0.8s,baz=236,slow=6.5,SNR=56			
NVAR	comp=Z,12nm,0.8s			
MMPY	Sheldon Lake,	88.85 25 P	IAMB	11 17 32.8 +1.0
MMPY	comp=Z,12nm,0.8s			11 17 35.8
PFO	Pinyon Flats O	89.03 56c /eP	eP	11 17 35.0 +1.7
PFO	comp=Z,67nm,1.7s			11 17 35.3 +1.9
PFO	Pinyon Flats O	89.03 56 P	P	11 17 35.1 +1.7
PFO	Pinyon Flats O	89.03 56 pP	pP	11 17 35.1 +1.7
XPFO	Pinon Flat	89.03 56 pP	pP	11 17 35.1 +1.7
XPFO	comp=Z,11nm,0.5s,baz=110,slow=6.1,SNR=12			11 17 56.0 +2.5
WVOR	Wild Horse Val	89.42 47 P	P	11 17 37.2 +2.2
WVOR	Wild Horse Val	89.42 47 P	P	11 17 37.4 +2.4
G31M	Satah River	89.61 21 P	IAMB	11 17 36.3 +1.2
G31M	comp=Z,24nm,0.8s			11 17 38.0
MK31	Makanchi Array	90.10 318c /P	P	11 17 37.2 -0.8
MKAR	Makanchi Array	90.10 318 P	P	11 17 37.5 -0.5
MKAR	comp=Z,8.5nm,0.8s,baz=97,slow=6.0,SNR=38			
MKAR	comp=Z,10nm,0.7s,baz=102,slow=5.7,SNR=14			11 17 55.7 -1.9
MKAR	comp=Z,8.5nm,0.8s			
MKAR	Makanchi Array	90.10 318 P	P	11 17 37.7 -0.3
MKAR	Makanchi Array	90.10 318 P	P	11 17 37.7 -0.3
MAKZ	Makanchi	90.31 318 P	P	11 17 39.0 0.0
MAKZ	comp=Z,12nm,1.1s			
MAKZ	Zalesovo Array	90.48 325 pP	pP	11 17 56.1 -2.5
ZALV	Zalesovo Beam	90.48 325 P	P	11 17 38.1 -1.4
ZALV	comp=Z,2.1nm,0.5s,baz=110,slow=6.1,SNR=12			11 17 38.4 -1.1
INK	Inuvik	90.50 20 P	P	11 17 40.3 +1.1
INK	Inuvik	90.50 20 P	P	11 17 40.2 +1.1

BMO	Blue Mountains	90.94 45 P	P	11 17 43.9 +1.9
SHLS	Shalkode	91.19 314 eP	pPmax	11 17 41.3 -1.9
SHLS	comp=Z,7.0nm,0.9s			
SHLS	Shalkode	91.19 314 eP	pPmax	11 17 41.3 -1.9
PDGK	Podgomoye	91.20 314 P	P	11 17 42.7 -0.6
PDGK	Podgomoye	91.20 314 P	P	11 17 42.7 -0.6
UZB	Uzbulak	91.50 313 eP	pPmax	11 17 44.0 -0.7
UZB	comp=Z,5.0nm,1.0s			
UZB	Uzbulak	91.50 313 eP	pPmax	11 17 44.0 -0.7
BELA	Belgrano Z	91.58 177 P	IAMB	11 17 43.4 -0.9
BELA	comp=Z,2.8nm,0.9s			11 17 44.7
PRZ	Przheval'sk	91.80 313 P	P	11 17 47.1 +0.9
PRZ	comp=Z,24nm,1.1s			
PRZ	Kokpek	91.81 314 eP	pP	11 18 04.9 -1.0
KPKS	Kokpek	91.81 314 eP	pP	11 17 45.6 -0.4
KPKS	Kokpek	91.81 314 eP	pP	11 17 45.6 -0.4
NEW	Newport	91.85 41 P	P	11 17 47.4 +1.3
NEW	Newport	91.85 41 P	P	11 17 47.6 +1.6
NEW	comp=Z,30nm,1.6s			
SATY	Saty	91.92 313 eP	pP	11 18 05.8 -0.1
SATY	comp=Z,6.0nm,1.0s			11 17 45.9 -0.7
SATY	Saty	91.92 313 eP	pPmax	11 17 46.0 -0.7
SATY	comp=Z,6.0nm,1.0s			
TARG	Taragay, Kyrgy	92.08 312 P	P	11 17 47.5 -0.3
TARG	comp=Z,9.0nm,1.0s			
TARG	Taragay, Kyrgy	92.08 312 P	pPmax	11 17 47.5 -0.3
TARG	Taragay, Kyrgy	92.08 312 P	P	11 17 47.5 -0.3
TARG	Taragay, Kyrgy	92.08 312 P	P	11 17 48.2 +0.4
TARG	comp=Z,8.0nm,1.0s			
TDK	Taldyqorghan	92.33 315 eP	pPmax	11 17 47.9 -0.4
TDK	comp=Z,5.0nm,0.6s			
TDK	Taldyqorghan	92.33 315 eP	pPmax	11 17 47.9 -0.4
TDK	comp=Z,5.4nm,0.6s			
KDJ	Kajisay	92.62 312 P	P	11 17 49.9 -0.1
KDJ	Kajisay	92.62 312 P	P	11 17 49.9 -0.1
KDJ	comp=Z,17nm,1.1s			
HLID	Hailey	92.69 46 pP	pP	11 18 07.3 -2.3
HLID	comp=Z,26nm,1.5s			11 17 52.7 +2.4
MDOK	Medeo	92.91 313 eP	P	11 17 50.5 -0.7
MDOK	Medeo	92.91 313 eP	P	11 17 50.6 -0.7
AAA	Alma-Ata	93.02 313 eP	P	11 17 51.0 -0.6
AAA	Alma-Ata	93.02 313 eP	P	11 17 51.0 -0.6
AAA	Alma-Ata	93.02 313 eP	P	11 17 51.1 -0.1
DUG	Dugway, Tooele	93.22 50 P	P	11 17 53.7 +0.9
DUG	Dugway, Tooele	93.22 50 P	P	11 17 53.7 +0.9
DUG	comp=Z,6.9nm,0.9s			
KSHZ	Kashi	93.26 309 P	P	11 17 52.3 -0.7
KSHZ	comp=Z,4.0nm,1.0s			
KURK	Kurchatov	93.37 321j /eP	ePmax	11 17 51.6 -1.3
KURK	comp=Z,12nm,1.1s			
KURK	Kurchatov	93.37 321 P	IAMB	11 17 52.3 -0.7
KURK	comp=Z,16nm,1.1s			11 17 52.8
KURK	Kurchatov	93.37 321 P	P	11 17 51.1 -1.8
KURB	Kurchatov Arra	93.41 321 P	P	11 17 52.1 -1.0
KURB	comp=Z,7.4nm,0.9s,baz=109,slow=3.2,SNR=46			
TUC	Tucson	93.45 58 P	P	11 17 56.3 +2.4
TUC	Tucson	93.45 58 P	P	11 17 56.3 +2.4
TUC	comp=Z,8.3nm,1.3s			
ELIB	Princess Elisa	93.51 192 dP	pP	11 17 52.7 -0.8
ELIB	comp=Z,3.0nm,1.2s			
ELIB	Princess Elisa	93.51 192 dP	pP	11 18 10.0 -3.7
ELIB	comp=Z,3.0nm,1.2s			11 18 19.1 -2.6
BOOM	Boomsboye usch	93.59 312 P	pPmax	11 17 54.3 -0.1
BOOM	comp=Z,9.0nm,1.0s			
BOOM	Boomsboye usch	93.59 312 P	P	11 17 54.3 -0.1
BOOM	Boomsboye usch	93.59 312 P	P	11 17 54.7 +0.2
BOOM	comp=Z,11nm,1.2s			
BLUM	North Lily Min	93.74 50 P	pP	11 18 12.1 -2.0
NLIU	Noril'sk	93.92 340 P	pP	11 17 56.7 +1.5
NRIK	Noril'sk	93.92 340 P	pP	11 17 54.4 -0.6
NRIK	comp=Z,6.1nm,0.8s,baz=139,slow=5.8,SNR=6.4			
NRIK	comp=Z,122nm,21.9s,baz=124,slow=34			11 58 30.8
NRIK	Noril'sk	93.92 340c /P	pPmax	11 17 54.0 -1.1
NRIK	comp=Z,11nm,1.1s			
SGZS	Sogindy	94.70 313 eP	P	11 17 58.8 -0.6
BOGS	Bozeman (W)	95.02 45 P	P	11 18 02.9 +2.0
BTLA	Baital	95.37 315 eP	P	11 18 01.7 -0.5
BTLA	Baital	95.37 315 eP	P	11 18 01.8 -0.5
PDAR	Pinedale Array	96.06 48 P	P	11 18 06.5 +0.7
PDAR	comp=Z,3.2nm,0.7s,baz=246,slow=2.2,SNR=13			
PDAR	comp=Z,1.7nm,0.8s			
YKA	Yellowknife Ar	96.16 28 P	P	11 18 05.5 +0.1
YKA	comp=Z,12nm,0.7s,baz=259,slow=4.6,SNR=25			
YKA	comp=Z,11nm,0.8s,baz=259,slow=4.6,SNR=11			11 18 24.7 -0.8
TROLL	Troll, Antarti	96.78 186 j /P	pP	11 18 07.6 -0.8
DZA	DZA	97.01 312 eP	pPmax	11 18 09.2 -0.6
DZA	comp=Z,4.0nm,0.5s		</	

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Gavieira, Cabril, Lamas de Olo, Vila Real, Sonseca Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Eielson Array, Borovoye Array, ARCES ARCESS Array B, FINES FINESSE Array B, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like HEF, ERTU, ERTU, KLF, KLF, KLF, etc.

AEIC 25 11:25:52.1±1.8, 54°31'N, 0°04'159.74W, 0.03, h6km, 7km, Error ellipse: s-maj=6.5km s-min=2.3km az=187.0

IDC 25 11:33:02.0±0.9, 62°09'S, 57°91'W, h0km, mb4.1/6, mbmp4.0/7, ML3.5/1, MS3.6/4, Error ellipse: s-maj=24.5km s-min=17.8km az=120.0

IDC 25 11:47:31.8±0.3, 15°24'S, 173°56'W, h0km, mb5.6/23, mbmp5.6/24, ML6.6/1, MS5.6/8, Error ellipse: s-maj=14.9km s-min=12.1km az=139.0

NEIC 25 11:25:52.0±1.7, 54°28'N, 0°02'159.73W, 0.07, h22km, 9km, ML3.5/28, ML3.1(AEIC), Error ellipse: s-maj=6.4km s-min=2.8km az=69.0

ISC 25 11:33:04.7±0.5, 62°36'S, 0°06'58.15W, 0.07, h10km, n49, c1505/45, mb4.5/13, 5C, South Shetland Islands

MOS 25 11:47:35.4±1.1, 15°28'S, 173°58'W, h31km, mb5.8/56, MS5.8/24, Error ellipse: s-maj=7.5km s-min=6.6km az=77.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Chernabura Isl, Fog Glacier, Fog Glacier, Chignik, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Base Esperanza, Palmer Station, San Juan, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like HEF, ERTU, KLF, KLF, KLF, etc.

IDC 25 11:31:05.9±7.1, 21°65'N, 143°22'E, h312km, 72km, mb3.1/10, mbmp3.9/10, Error ellipse: s-maj=32.8km s-min=16.6km az=72.0

UPP 25 11:34:49.1±0.2, 67°83'N, 20°22'E, h0km, ML2.5, Confirmed Induced event

HEL 25 11:34:49.1±0.2, 67°79'N, 20°13'E, h0km, ML1.7, Suspected explosion

ISC 25 11:31:05.7±1.3, 21°7'N, 0°2'143.2E, 0.3, h311km, n10, c045/10, mb3.2/9, Mariana Islands region

ISC 25 11:34:49.6±0.8, 67°82'N, 0°03'20.26E, 0.02, h0km, n32, c099/49, Sweden

ISC 25 11:47:37.0±1.3, 15°33'S, 173°43'W, 0.03, h41km, 2km, mb4.1/10, mbmp4.1/10, Error ellipse: s-maj=14.9km s-min=12.1km az=139.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Korea Array, Songino Array, Warrungunga Arr, Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Laukkulupsa, Salmi, Salmi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like AFI, AFU, AFU, AFU, AFU, etc.



RAR	comp-Z,254nm,1.2s	14.22 116	Pn	Pn	11 50 54.2	-2.2
RAR	comp-Z,22nm,0.3s,baz=262,slow=9.0,SNR=21		LR	LR	11 53 22.6	-1.0
RAR	comp-Z,7.1nm,0.3s,baz=123,slow=20,SNR=1.6		SN	SN	11 55 03.0	
RAR	comp-Z,7.2um,20.2s,baz=293,slow=31	14.22 116	Pn	Pn	11 50 57.1	+0.7
RAR	Rarotonga	14.22 116	Pn	Pn	11 50 54.5	-1.9
RAR	Rarotonga	14.22 116	Pn	Pn	11 50 54.5	-1.9
RAR	Rarotonga	14.22 116	Pn	Pn	11 50 56.4	0.0
GLKZ	Green Lake	14.47 196	P	P	11 51 00.5	+0.9
GLKZ	Green Lake	14.47 196	P	P	11 53 35.5	
DVP	Devils Point	17.79 260	P	P	11 51 43.0	+0.5
MARNC	Mare, Loyalty	18.62 248	P	P	11 51 51.5	-0.1
MARNC	Mare, Loyalty	18.62 248	P	P	11 51 52.0	-0.2
MARNC	Mare, Loyalty	18.62 248	P	P	11 51 51.6	0.0
SANVU	Sarauoutu	18.68 267	P	P	11 51 54.2	+1.3
SANVU	Sarauoutu	18.68 267	P	P	11 51 53.4	+0.4
SANVU	comp-Z,683nm,1.2s		Iamb	Iamb	11 51 58.4	
SANVU	Sarauoutu	18.68 267	P	Pn	11 51 53.5	+0.6
SANVU	Sarauoutu	18.68 267	P	Pn	11 51 53.7	+0.8
PINNC	Pines Island	19.47 245	P	Pn	11 52 01.8	-0.6
PINNC	Pines Island	19.47 245	P	Pn	11 52 01.4	+0.4
YATNC	Mamie plateau	19.80 247	P	Pn	11 52 05.6	-0.7
OUENC	Ouen Island, N	19.94 246	P	P	11 52 06.9	+0.8
OUENC	Ouen Island, N	19.94 246	P	P	11 52 06.5	+0.4
DZM	Mont Dzumac	20.20 248	P	P	11 52 08.4	-0.6
DZM	comp-Z,86nm,0.9s,baz=83,slow=18,SNR=29		LR	LR	11 56 54.5	
ONTNC	Ouen Toro	20.25 247	P	P	11 52 10.2	+0.7
ONTNC	Ouen Toro	20.25 247	P	P	11 52 09.9	+0.4
ONTNC	Ouen Toro	20.25 247	P	P	11 52 09.0	-0.5
NOUC	Port Laguerre	21.38 320	P	P	11 52 21.1	-0.2
TARA	Tarawa	21.38 320	P	P	11 52 22.4	+0.7
TARA	Tarawa	21.38 320	P	P	11 52 22.2	+0.5
TARA	Tarawa	21.38 320	P	P	11 52 22.2	+0.5
KOUNC	Koumac, New Ca	21.82 253	P	P	11 52 27.3	+0.9
KOUNC	Koumac, New Ca	21.82 253	P	P	11 52 26.7	+0.3
KOUNC	comp-Z,286nm,1.1s		Iamb	Iamb	11 52 39.0	
KOUNC	Koumac, New Ca	21.82 253	P	P	11 52 28.1	+1.7
NFK	Norfolk Island	21.95 228	P	P	11 52 29.1	+1.3
NFK	comp-Z,412nm,0.9s,comp-Z,0.0nm		P	P	11 52 28.3	+0.6
NFK	Norfolk Island	21.95 228	P	P	11 52 28.6	+0.8
NFK	Omahuta	22.97 208	IAMS_20	IAMS_20	11 59 45.3	
OUZ	Omahuta	22.97 208	P	P	11 52 39.1	+0.6
OUZ	Omahuta	22.97 208	P	P	11 56 49.3	+3.4
OUZ	Omahuta	22.97 208	P	P	11 52 38.7	+0.2
OUZ	Omahuta	22.97 208	P	P	11 52 38.1	-0.3
PAE	Paea	22.98 99	eP	P	11 52 39.7	+1.0
PAE	comp-Z,339nm,1.3s		eLR	LR	11 58 08.0	
PPT	Papeete	22.98 99	P	P	11 52 39.2	+0.4
PPT	comp-Z,189nm,1.2s,baz=341,slow=1.7,SNR=7.1		LR	LR	11 59 09.9	
PPT2	Papeete2	22.98 99	eP	P	11 52 38.1	-0.8
PPT2	comp-Z,247nm,1.5s		eS	S	11 56 41.5	-5.1
PPT2	comp-Z,22um,31.0s		eLR	LR	11 58 05.5	
PPT2	comp-Z,16um,26.5s		eLR	LR	11 58 13.1	
PPT2	comp-Z,10um,27.5s		eLR	LR	11 58 13.1	
PPTF	Pamatai, Papee	22.99 99	P	P	11 52 39.9	+0.9
PPTF	Pamatai, Papee	22.99 99	P	P	11 52 40.6	+1.7
TIAR	Tiarei	23.20 99	eP	P	11 52 40.8	-0.2
TIAR	comp-Z,881nm,1.1s		eLR	LR	11 58 14.1	
TVO	Taravao	23.30 99	eP	P	11 52 41.0	-1.0
TVO	comp-Z,312nm,1.2s		eLR	LR	11 58 16.0	
MXZ	Matakaoa Point	23.32 197	P	P	11 52 44.1	+1.2
MXZ	Matakaoa Point	23.32 197	P	P	12 01 26.7	
MXZ	comp-Z,31um,20.0s		S	S	11 52 44.9	+3.0
MXZ	Matakaoa Point	23.32 197	P	P	11 52 44.9	+3.0
MXZ	Matakaoa Point	23.32 197	P	P	11 56 55.0	+3.3
XMAS	Kiritimati	23.41 44	P	P	11 52 43.4	+0.4
XMAS	Kiritimati	23.41 44	P	P	11 52 42.2	-0.8
XMAS	comp-Z,492nm,0.9s		Iamb	Iamb	11 52 45.8	
XMAS	Kiritimati	23.41 44	P	P	11 52 42.8	-0.3
XMAS	Kiritimati	23.41 44	P	P	11 52 43.0	0.0
ABAZ	Army Bay	23.62 204	P	P	11 52 45.9	+1.1
HAZ	Te Kaha	23.65 198	P	P	11 52 46.9	+1.8
HAZ	Te Kaha	23.65 198	P	P	11 56 59.6	+2.7
PKGZ	Pakihiroa	23.67 197	P	P	11 52 47.9	+2.6
PKGZ	Pakihiroa	23.67 197	P	P	11 57 03.1	+5.8
WIAZ	Waiteke Island	23.74 203	P	P	11 52 46.3	+1.0
MBAZ	Motutapu North	23.74 204	P	P	11 52 46.7	+0.8
PUZ	Puketitii	23.81 196	P	P	11 52 49.1	+0.5
PUZ	Puketitii	23.81 196	P	P	11 52 02.6	+3.0
HBAZ	Herne Bay Bore	23.88 204	P	P	11 52 47.4	+0.2
ETAZ	East Tamaki Re	23.89 204	P	P	11 52 48.3	+0.9
EPAZ	Eden Park BICE	23.90 204	P	P	11 52 49.4	+2.0
MKAZ	Moumakai	23.94 203	P	P	11 52 49.0	+1.2
TBI	Tubuai	23.95 113	eP	P	11 52 44.0	-1.1
TBI	comp-Z,222nm,1.0s		eS	S	11 56 59.1	-3.0
TBI	comp-Z,77um,27.2s		eLR	LR	11 58 42.6	
TBI	comp-Z,58um,26.5s		eLR	LR	11 58 44.7	
TWGZ	Tauwika Bore	23.99 197	P	P	11 52 49.9	+1.7
WTAZ	Waatarua	24.01 204	P	P	11 52 49.9	+1.4
AWAZ	Awhitu Peninsula	24.10 204	P	P	11 52 50.0	+0.7
TGRZ	Tauranga	24.10 200	P	P	11 52 50.4	+1.1
OPRZ	Ohinepene	24.11 200	P	P	11 52 47.9	-1.5
CNGZ	Carnagh Station	24.21 196	P	P	11 52 50.5	+0.2
MWZ	Matawai	24.26 198	P	P	11 52 49.0	-1.8
MWZ	Matawai	24.26 198	P	P	11 57 14.3	+7.4
URZ	Urewera	24.32 198	LR	LR	12 01 12.3	
URZ	Urewera	24.32 198	P	P	11 52 49.4	-1.8
URZ	Urewera	24.32 198	P	P	11 57 11.2	+3.6
URZ	Urewera	24.32 198	P	P	11 52 49.0	-2.3
KMRZ	Kaimai	24.32 201	P	P	11 52 51.4	+0.1
TOZ	Tahuroa Road	24.37 202	IAMS_20	IAMS_20	12 00 54.5	
TOZ	Tahuroa Road	24.37 202	P	P	11 52 51.1	-0.6
ROZ	Rawiri	24.45 198	P	P	11 52 55.7	+3.2
NGRZ	Ngongotaha	24.47 200	P	P	11 52 52.2	-0.5
TARZ	Tongariro	24.48 199	P	P	11 52 52.9	0.0
RUHIZ	Ruhia	24.50 199	P	P	11 52 54.8	+0.4
RIGZ	Rimuhau	24.54 197	P	P	11 52 55.6	+2.2
HLRZ	Highlands Stads	24.55 200	P	P	11 52 55.0	+1.6
RPRZ	Republican Roo	24.58 199	P	P	11 52 52.9	-0.7
PMORZ	Pomarioti Rea	24.64 93	eP	P	11 52 53.8	-0.7
PMORZ	comp-Z,902nm,1.2s		eLR	LR	11 59 02.8	
PMORZ	comp-Z,13um,23.0s		eLR	LR	11 59 02.8	
RTZ	Ruatuhuna	24.68 198	IAMS_20	IAMS_20	12 01 37.7	
HRRZ	Handcock Road	24.70 200	P	P	11 52 55.6	+0.8
PRGZ	Paritu Road	24.71 196	P	P	11 52 56.8	+2.0
PRRZ	Plateau Road	24.76 199	P	P	11 52 54.7	-0.6
ALRZ	Allen Road	24.83 199	P	P	11 52 54.9	-1.1
WPRZ	Whakapapatarin	24.89 200	P	P	11 52 55.3	-0.9
KNZ	Kokohu	24.93 199	P	P	11 52 55.3	-0.9
VAH	Vaihoa	24.89 93	eP	P	11 52 55.6	-1.0
VAH	comp-Z,691nm,1.4s		eLR	LR	11 59 11.1	
TLZ	Tolley Road	24.89 201	P	P	11 52 54.6	-1.9

MHGZ	Mahia Peninsula	24.92 196	P	P	11 52 58.2	+1.5
RAHZ	Arahi	24.93 198	P	P	11 52 58.4	+1.5
KUTZ	Kaahu Road	24.94 200	P	P	11 52 57.7	+0.8
WHZ	Waihua	25.04 197	P	P	11 53 03.3	+5.5
MHRZ	Matea Rd	25.06 199	P	P	11 52 59.1	+1.0
NMHRZ	Naumotu	25.08 199	P	P	11 53 03.3	+5.5
ARHZ	Aroapanui	25.28 198	P	P	11 53 05.2	+5.2
HIZ	Haiti	25.30 202	IAMS_20	IAMS_20	12 01 24.1	
HIZ	Haiti	25.30 202	P	P	11 52 59.9	-0.2
HIZ	Haiti	25.30 202	P	P	11 53 01.5	+1.3
HATZ	Hangitua	25.30 200	P	P	11 52 58.2	-2.0
BKZ	Black Stump Fm	25.34 199	P	P	11 53 01.3	+0.7
BKZ	Black Stump Fm	25.34 199	P	P	11 52 58.5	-2.1
SKZ	Skaraka	25.37 200	P	P	11 53 02.7	+2.7
RITZ	Rihia Road	25.37 200	P	P	11 53 03.0	+2.2
KATZ	Kakaramea	25.42 200	P	P	11 53 00.1	-1.4
MCHZ	McNeill Hill	25.53 198	P	P	11 53 06.5	+4.2
NTVZ	North Tongarir	25.54 200	P	P	11 53 02.0	-0.5
TMVZ	Te Maari	25.54 200	P	P	11 53 00.8	-1.9
TRVZ	Tararua	25.56 200	P	P	11 53 02.7	0.0
ETVZ	East Tongarir	25.56 200	P	P	11 53 02.7	0.0
WTVZ	West Tongarir	25.58 200	P	P	11 53 04.3	+1.4
TWVZ	Taurewa	25.59 200	P	P	11 53 03.9	+1.0
KWHZ	Kawake Forest	25.60 198	P	P	11 53 04.7	+1.8
OTVZ	Oturere	25.60 198	P	P	11 53 04.1	+1.0
CKHZ	Cap Kidnapper	25.62 197	P	P	11 53 07.5	+4.5
NGZ	Ngauruhoe	25.63 200	P	P	11 53 04.4	+1.0
COVZ	Coakua Obsevr	25.65 200	P	P	11 53 05.8	+2.1
TUVZ	Tukino	25.70 200	P	P	11 53 06.6	+2.6
FWVZ	Far West T-bar	25.72 200	P	P	11 53 05.3	+1.1
TRVZ	Tararua	25.76 199	P	P	11 53 03.9	+1.2
BHVZ	Black Hill Sta	25.77 199	P	P	11 53 04.0	-0.5
WNVZ	Whanhoa	25.77 200	P	P	11 53 05.1	+0.4
MOVZ	Moawhango	25.79 200	P	P	11 53 04.8	+0.1
KAHZ	Kahurangi	25.80 197	P	P	11 53 08.0	+3.2
KRHZ	Kereru	25.82 198	P	P	11 53 07.3	+2.4
PKVZ	Puketitii	25.83 198	P	P	11 53 07.5	+4.5
VRZ	Vera Road	25.87 201	P	P	11 53 07.5	+2.1
PKXZ	Pawanui	26.03 197	P	P	11 53 08.5	+1.7
PNHZ	Pukenui	26.11 198	P	P	11 53 08.5	+0.9
DREZ	Durham Road	26.13 202	P	P	11 53 13.3	+5.6
WRHZ	Waipukurau	26.18 199	P	P	11 53 11.5	+3.4
PKZ	Puketitii	26.21 203	P	P	11 53 12.3	+3.8
NEZ	North Egmont	26.24 202	P	P	11 53 13.3	+4.5
PREZ	Palmer Road	26.28 202	P	P	11 53 13.9	+4.8
KHEZ	Kahui Hut	26.29 202	P	P	11 53 09.9	+0.6
KHEZ	Kahui Hut	26.29 202	P	P	11 53 13.9	+4.0
TSZ	Tatamaiti	26.32 199	P	P	11 53 14.3	+3.7
NMEZ	Namu Road	26.45 202	P	P	11 53 15.3	+4.7
DVHZ	Dannevirke	26.48 198	P	P	11 53 13.5	+2.7
ANWZ	Angora Road	26.54 197	P	P	11 53 14.1	+2.8
HNR	Honiara	26.64 280	LR	LR	12 02 18.0	
BFZ	Birch Farm	26.81 198	P	P	11 53 14.2	+0.4
BFZ	Birch Farm	26.81 198	IAMS_20	IAMS_20	12 02 46.4	
BFZ	Birch Farm	26.81 198	P	P	11 53 15.4	+1.5
BFZ	Birch Farm	26.81 198	P	P	11 53 14.3	+0.5
SAVO	Savo Central	26.84 280	P	P	11 53 14.7	+0.2
MRZ	Mangatainoa R	26.99 199	IAMS_20	IAMS_20	12 02 37.2	
TATA	Tatamaiti	27.07 282	P	P	11 53 16.2	-0.2
MSWZ	Mouka Station	27.78 198				

25d 11h

Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like HALLET, BUCKLEBOO, WARRAMUNGA ARR, etc.

2020 OCT

Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like DRV, NLAJ, JCJ, RPN, RNTI, etc.

1426

Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like KAPI, KAPPANG, TTSI, DBNI, etc.



25d 11h

Table with columns for station name, location, frequency, and signal strength. Includes stations like Nanjing, McCarthy VSAT, Cornudas Mount, etc.

2020 OCT

Table with columns for station name, location, frequency, and signal strength. Includes stations like MSO Missoula, DLBC Dease Lake, DLMT Dillon, etc.

1428

Table with columns for station name, location, frequency, and signal strength. Includes stations like I27K Kandik River, PMSA Palmer Station, FYSA Fort Yukon, etc.



25d 11h

Table with columns for station ID, name, frequency, and other technical details. Includes stations like M44A Midewin, L44A Lake County, U49A Red Boiling Sp, etc.

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Table with columns for station ID, name, frequency, and other technical details. Includes stations like KURK Kurchatov, UZB Uzynbulak, KURBB Kurchatov, etc.

1430

Table with columns for station ID, name, frequency, and other technical details. Includes stations like NORES NORESS Array B, SKAR Skarslia, LPSR Galich'ya Gora, etc.



Table with columns for station name, frequency, power, and other technical details. Includes stations like OSTC, TSUM, BRG, UPC, KOLS, DPC, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like EFOR, WLF, MFR, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like MFF, MPEP, MMAI, etc.

Additional technical notes and coordinates for stations, including station names, frequencies, and coordinates.

25d 12h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SMAIL San Martin Ant, EFI East Falkland, BELA Belgrano 2, etc.

IDC 25 12:38:47.6; 1.2, 55.27N; 160.71W, h0km, mb4.0/15, mbmp3.9/19, ML3.6/4, Error ellipse: s-maj=31.2km s-min=13.1km az=161.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CHNA Chernabura Isl, CNBA Chernabura Isl, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PNTA Pavlov North-7, VNKR Veniaminof 5, etc.

2020 OCT

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ANCK Angle Creek, ACHA Angal Creek He, O15K Ungalikthiuk R, etc.

1432

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ARCES ARCESS Array B, FINES FINES Array B, etc.

SNET 25 12:47:53.9; 4.3, 14.72N; 92.85W, h73km, ML5.7, Presumed earthquake
UPA 25 12:47:57.0; 1.7, 14.85N; 92.50W, h1km, 79km, MW4.8, Presumed earthquake

NEIC 25 12:47:58.9; 2.2, 14.77N; 0.07; 92.59W; 0.06, h67km, 7km, mb4.9/73, Mw15.2/13, Mw15.1/44, Md5.1/155(MEX), Error ellipse: s-maj=10.1km s-min=7.9km az=212.0, Moment tensor: Moment tensor: Scale 10^16 Nm^-2; Ms=8.25; Msh=3.66; Msh=4.54; Mh=1.13; Msh=3.31; Msh=1.16; Fault plane solution: Mb: 0.580000x10^16 NP1: 0.318, 350000; 850, 810000; -90, 730000. NP2: 0.139, 510000; 839, 193000; -89, 110000. Principal axes: T 7.6343, Plg6.0000, Azm4.9000, N 0.7796, Plg1.0000, Azm319.0000, P -8.4139, Plg84.0000, Azm223.0000

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like THIG THIG, THIG THIG, etc.





Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like YBHE, WAKR, NVAR, KVN, TPNV, QSPA, KSRs, USRK, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like MMAI, BLKE, BOVA, etc.

ADC 25 12:57:13.1+0.9, 62.195:58.08W, h0km, mb4.2/6, mbmp4.17, ML3.5/1, MS3.8/2, Error ellipse: s-maj=27.3km s-min=19.2km az=102.0

NEIC 25 12:57:49.1+0.9, 62.415:0.06E, 58.1W:0.2, h10km, 1km, mb4.6/18, Error ellipse: s-maj=13.7km s-min=10.0km az=263.0

ISC 25 12:57:14.6+0.5, 62.335:0.06E, 58.05W:0.08, h10km, n43, c114/38, mb4.5/14, 4.0, South Shetland Islands

Main table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like ESPZ, PMSA, PMSA, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like CCIG, FG8, TGIG, etc.

CATAC 25 12:59:28.4+1.0, 14.1N:4.9'3W, h5km, 3km, M4.1/5, MLV4.1/5, Error ellipse: s-maj=10.9km s-min=3.8km az=34.4, Error ellipse: s-maj=10.9km s-min=3.8km az=34.4

MEX 25 12:59:30.9+0.8, 14.65N:92.70W, h55km, 17km, MD3.9, Presumed earthquake

GCG 25 12:59:32.2+1.1, 14.68N:92.51W, h46km, 14km, MD3.9, Presumed earthquake

ISC 25 12:59:27.2+1.3, 14.59N:0.05E, 92.78W:0.03, h29km, 13km, n34, c29114/9, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like THIG, THIG, THIG, etc.

ASRS 25 13:10:35.7+0.2, 51.0N:1.0'8E, h10km, MLh4.1/14, Error ellipse: s-maj=3.1km s-min=1.9km az=69.6, confirmed

DC 25 13:10:36.2+1.1, 50.94N:86.99E, h0km, mk3.7/5, mbmp3.8/10, ML3.5/5, MS4.1/3, Error ellipse: s-maj=13.5km s-min=10.0km az=102.0

MOS 25 13:10:37.3+1.0, 50.87N:86.95E, h14km, mb4.2/2, Error ellipse: s-maj=9.4km s-min=6.0km az=88.9

NNC 25 13:10:41.7+3.0, 50.90N:86.71E, h15km, 20km, mb4.1, mp3/3, Error ellipse: s-maj=21.8km s-min=11.7km az=99.0

ISC 25 13:10:36.8+1.1, 50.93N:0.02E, 86.98E:0.02, h4km, 3km, n67, c1561/93, mb3.6/6, MS4.0/3, 13C-9D, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like ELDR, ELDR, ELDR, etc.











Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like Barrancos, Mina Concepcio, Arriodas, etc.

ICD 25 14:41:39.3,2.7,31.30N,140.24E,h0km,mb3.5/2, mbtmp3.5/3,ML2.5/1,Error ellipse: s-maj=69.7km s-min=19.6km az=86.0, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like Matsushiro Arr, WAKE ISLAND HY, etc.

ICD 25 14:47:42.6,8.6,36.20N,70.15E,h0km,mb3.6/2, mbtmp3.5/5,ML2.9/3,MS3.8/1, Error ellipse: s-maj=144.9km s-min=40.5km az=159.0

NEIC 25 14:47:57.4,1.7,37.77N,0.04,69.8E,0.1,h10km,2km, mb4.0/5, Error ellipse: s-maj=18.1km s-min=6.3km az=85.0

NNC 25 14:48:01.0,3.8,37.89N,69.48E,h18km,19km,mb4.1, mpv3.6, Error ellipse: s-maj=24.6km s-min=20.3km az=0.0

ISC 25 14:47:57.0,1.7,37.77N,0.06,69.72E,0.07,h12km,n33, c198/31,mb3.9/3,2C-2D,Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like Batken, Kabul, Arslanbob, etc.

FUNV 25 15:00:50.2,6.78N,73.06W,h173km,MW3.6, Presumed earthquake

RSNC 25 15:00:51.1,0.0,7.7N,3.3,7.3W,h141km,6km,M2.8,mb3.6, ML2.4

CATAC 25 15:00:52.1,0.6,7.7N,3.3,7.3W,h141km,6km,M3.3/7, MLV3.3/7, Error ellipse: s-maj=8.4km s-min=5.0km az=125.7, confirmed

ISC 25 15:00:50.0,1.3,6.88N,0.03,73.09W,0.03,h156km,6km, h10, c193/69, Northern Colombia

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like Barichara, Barrancabermej, La Rusia, etc.

ICD 25 15:00:29.3,4.9,37.02N,69.58E,h0km,mb3.9/7, mbtmp3.8/12,ML3.0/5, Error ellipse: s-maj=79.4km s-min=23.7km az=162.0

NEIC 25 15:00:37.1,0.9,37.83N,0.05,69.5E,0.1,h10km,2km, mb4.1/4, Error ellipse: s-maj=18.1km s-min=7.2km az=102.0

NNC 25 15:00:38.8,4.5,37.81N,69.34E,h0km,mb4.0,mpv3.4, Error ellipse: s-maj=46.0km s-min=28.8km az=162.0

ISC 25 15:00:36.8,0.7,37.75N,0.06,69.44E,0.07,h12km,n36, c150/40,mb4.0/6,1C-4D,Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like Batken, Kabul, Nilore, Karatay Array, etc.

ICD 25 15:12:55.9,0.3,31.02N,0.04,140.16E,0.06,h150km, n223, c193/219,5.5,mb4.5/96,1C, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like Aogashimamukai, Hachijojimakas, Mitsune, etc.

FUNV 25 15:00:50.2,6.78N,73.06W,h173km,MW3.6, Presumed earthquake

RSNC 25 15:00:51.1,0.0,7.7N,3.3,7.3W,h141km,6km,M2.8,mb3.6, ML2.4

CATAC 25 15:00:52.1,0.6,7.7N,3.3,7.3W,h141km,6km,M3.3/7, MLV3.3/7, Error ellipse: s-maj=8.4km s-min=5.0km az=125.7, confirmed

ISC 25 15:00:50.0,1.3,6.88N,0.03,73.09W,0.03,h156km,6km, h10, c193/69, Northern Colombia

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like Barichara, Barrancabermej, La Rusia, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like San Jacinto, Ortega, Tolima, etc.

NIED 25 15:12:55.9,0.3,31.02N,0.04,140.16E,h138km,MW4.5, Moment Tensor Solution. s3 Moment tensor: Scale 10^15Nm; Mr1.14; Mw=0.68; Mb=0.46; Ms=1.27; Mw=1.91; Mw=4.97;

ICD 25 15:12:55.9,0.3,31.02N,0.04,140.16E,h138km,MW4.5, Moment Tensor Solution. s3 Moment tensor: Scale 10^15Nm; Mr1.14; Mw=0.68; Mb=0.46; Ms=1.27; Mw=1.91; Mw=4.97;

JMA 25 15:12:55.9,0.3,31.02N,0.04,140.16E,h138km,3km,MV4.0/29, NEAR TORISHIMA IS

NEIC 25 15:12:57.6,0.9,31.06N,0.07,140.2E,0.1,h143km,6km, mb4.5/15, Error ellipse: s-maj=14.2km s-min=10.7km az=89.0

GFZ 25 15:12:57.0,0.6,31.04N,0.14,140.2E,0.1,h143km,4km,M4.3/23, mb4.4/23, Error ellipse: s-maj=13.3km s-min=6.3km az=117.5, confirmed

ISC 25 15:12:58.0,0.3,31.02N,0.04,140.16E,0.06,h150km, n223, c193/219,5.5,mb4.5/96,1C, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like Aogashimamukai, Hachijojimakas, Mitsune, etc.

FUNV 25 15:00:50.2,6.78N,73.06W,h173km,MW3.6, Presumed earthquake

RSNC 25 15:00:51.1,0.0,7.7N,3.3,7.3W,h141km,6km,M2.8,mb3.6, ML2.4

CATAC 25 15:00:52.1,0.6,7.7N,3.3,7.3W,h141km,6km,M3.3/7, MLV3.3/7, Error ellipse: s-maj=8.4km s-min=5.0km az=125.7, confirmed

ISC 25 15:00:50.0,1.3,6.88N,0.03,73.09W,0.03,h156km,6km, h10, c193/69, Northern Colombia

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like Barichara, Barrancabermej, La Rusia, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Kuangyinjshan, Ishigakijamai, Yuch, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Qazax, Azerbai, Lusahovito, Dedoflistskaro, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like UNCR Uncukul, AKH Akhalkalaki, AKH Akhalkalaki, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AZER 25 15:38:30.0, TIF 25 15:38:30.9, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VAYK, QAZAX, LUSAHOVITO, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WEL 25 15:42:14.5, WFSS Wairoa Fire St, etc.

25.0 15h

Table with columns: HOWZ, Holdsworth Sta, 2.36 219, P, Pn, 15 42 47.6 -4.3

WEL 25 15:42:27.1±0.4, 40'S±2.1', 177°E±5E, h1km, 5km, M2.1/19, ML2.1/29, MLV2.1/19, Error ellipse: s-maj=5.3km s-min=3.1km az=98.9, confirmed, North Island

Main table for 25.0 15h with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC

ISC 25 15:44:44.1±0.5, 44°65'S±37.79'E, h0km, mb4.3/15, mbtmp4.3/17, ML3.5/2, MS4.1/55, Error ellipse: s-maj=20.3km s-min=15.5km az=63.0

Table for 1912/98 with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC

20.0 OCT

Main table for 20.0 OCT with columns: MAW, Mawson, 26.45 159, P, P, 15 50 22.5 0.0

1442

Main table for 1442 with columns: CM31, Chiang Mai Arr, 83.86 57, P, P, 15 57 15.5 -0.2







Table with columns: Station Name, Time, Res, ISC, Code, Station Name, Δ, Az, Op, Phase ID, Time, Res, ISC. Includes stations like SSD Wufeng, YHNB Yeheng, TSMG Majia, etc.

Table with columns: Station Name, Time, Res, ISC, Code, Station Name, Δ, Az, Op, Phase ID, Time, Res, ISC. Includes stations like JIRJ Irabujima, MATE Ma-tsu, CNBA Chernabura Isl, etc.

Table with columns: Station Name, Time, Res, ISC, Code, Station Name, Δ, Az, Op, Phase ID, Time, Res, ISC. Includes stations like YAK Yakutsk, H11N2 WAKE ISLAND Hy 42.90 230, H11N3 WAKE ISLAND Hy 42.90 230, etc.

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like AFI Afiamalu, MXZ Matakaoa Point, HAZ Te Kaha, etc.

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like PTGC Ciudad Bolivar, CBOC CBOC, SDV Santo Domingo, etc.

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like DHRM comp=N, 178nm, 0.3s, TLWR Talawar, AAK Ala-Archa, etc.

RSNC 25 18:37:38.1±0.0, 6°N, 2°7'3W, h13km±4km, M3.5, mb4.8, mb4.2, ML3.1, Mw(mb)4.1

RSNC 25 18:37:38.1±0.0, 6°N, 2°7'3W, h10km, M4.2/10, mb4.5/1, mb6.1/1, MLV4.1/10, Mw(mb)5.8/1, Error ellipse: s-maj=6.8km s-min=4.0km az=137.7, confirmed

RSNC 25 18:37:40.3±0.5, 52N: 73.47W, h5km, MW4.0, Presumed earthquake

Table with columns: Code, Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like BARC Barichara, BRUC Barrancabermej, RUSC La Rusia, etc.

Table with columns: Code, Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like RUSC La Rusia, SPBC San Pablo de B, BARC Barichara, etc.

Table with columns: Code, Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like DHRM comp=N, 178nm, 0.3s, TLWR Talawar, AAK Ala-Archa, etc.

RSNC 25 18:48:37.4±0.1, 36°53'N: 71°46'E, h113km±67km, mb3.5/6, mbmp3.8/9, Error ellipse: s-maj=67.5km s-min=27.3km az=35.0

RSNC 25 18:48:37.4±0.1, 36°53'N: 71°46'E, h112km, m22, ±211°/33, mb3.9/2.5, C, Afghanistan-Tajikistan border region

RSNC 25 18:48:37.4±0.1, 36°53'N: 71°46'E, h112km, m22, ±211°/33, mb3.9/2.5, C, Afghanistan-Tajikistan border region

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1447

GERES GERES Array B 146.10 352 PKPbc PKPab 19 27 41.5 -0.5
BRTR Keskin Array B 146.30 321 PKPbc PKPbc 19 27 42.2 -0.2

IDC 25 19:23:15.8±2.51'26N:178°45'E,h0km,mb3.7/9,
mbtmp3.9/12,ML4.2/2,MS3.2/5,Error ellipse:
s-maj=59.3km s-min=18.9km az=174.0

AMKA Amchitka 0.63 70 Op Pn 19 23 39.1 +0.9
AMKA Amchitka 0.63 70 Op Pn 19 23 39.1 +0.9

AMKA Amchitka 0.63 70 Op Pn 19 23 39.1 +0.9
LSEA Little Sitkin 0.78 9 Pp 19 23 34.1 +0.7
LSPA Little Sitkin 0.80 9 Pp 19 23 34.4 +0.5

KIRH Kanaga Island 2.93 74 Pn Pn 19 24 06.0 +1.6
SHEM Shemya Is, Ala 0.37 302 Pn Pn 19 24 06.7 +1.4

ETKA Kagalaska Ista 3.34 76 Pn Pn 19 24 11.5 +1.4
GSTD Great Sitkin T 3.54 73 Pn Pn 19 24 14.2 +1.3

KURBB Kurchatov Arra 57.97 312 P P 19 33 09.2 -0.8
MKAR Makanchi Array 58.75 307 P P 19 33 14.4 -1.3

DBNI Kabupaten Domp 0.84 304 P Pn 19 28 30.6 +0.5
DBNI Kabupaten Domp 0.84 304 P Pn 19 28 30.6 +0.5

MOS 25 19:35:42.5±1.0,47'00N:9°14'E,h5km,mb4.5/20,Error
ellipse: s-maj=3.4km s-min=2.6km az=61.4

Mu2 14000x1015 NP1:0.174,00000°,δ69.00000°,
λ18.00000° NP2:0.7700000°,δ73.00000°,λ158.00000°

IDC 25 19:35:44.0±0.6,46'95N:9°17'E,h0km,mb4.1/16,
mbtmp4.1/25,ML3.6/6,MS3.5/5 Error ellipse:
s-maj=12.4km s-min=8.8km az=175.0

SLTM2 Linthal, Matt 0.08 274 Op Pp 19 35 45.0 0.0
SLTM2 Linthal, Matt 0.08 274 Op Pp 19 35 47.0 +0.2

SLTM2 Linthal, Matt 0.08 274 Op Pp 19 35 45.0 0.0
SLTM2 Linthal, Matt 0.08 274 Op Pp 19 35 47.0 +0.2

GLARUS Glarus, Kanton 0.13 343 Op Pp 19 35 46.7 +0.4
GLARUS Glarus, Kanton 0.13 343 Op Pp 19 35 49.1 +0.9

ILLNETH Linth-Limmern 0.11 228 Op Pp 19 35 45.6 -0.3
ILLNETH Linth-Limmern 0.11 228 Op Pp 19 35 47.3 -0.2

ILLNETH Linth-Limmern 0.11 228 Op Pp 19 35 45.6 -0.3
ILLNETH Linth-Limmern 0.11 228 Op Pp 19 35 47.3 -0.2

ILLNETH Linth-Limmern 0.11 228 Op Pp 19 35 45.6 -0.3
ILLNETH Linth-Limmern 0.11 228 Op Pp 19 35 47.3 -0.2

ILLNETH Linth-Limmern 0.11 228 Op Pp 19 35 45.6 -0.3
ILLNETH Linth-Limmern 0.11 228 Op Pp 19 35 47.3 -0.2

MUO Muotathal 0.34 279 Op Pp 19 35 50.3 +0.1
MUO Muotathal 0.34 279 Op Pp 19 35 55.5 +0.9

MUO Muotathal 0.34 279 Op Pp 19 35 50.3 +0.1
MUO Muotathal 0.34 279 Op Pp 19 35 55.5 +0.9

MUO Muotathal 0.34 279 Op Pp 19 35 50.3 +0.1
MUO Muotathal 0.34 279 Op Pp 19 35 55.5 +0.9

MUO Muotathal 0.34 279 Op Pp 19 35 50.3 +0.1
MUO Muotathal 0.34 279 Op Pp 19 35 55.5 +0.9

MUO Muotathal 0.34 279 Op Pp 19 35 50.3 +0.1
MUO Muotathal 0.34 279 Op Pp 19 35 55.5 +0.9

MUO Muotathal 0.34 279 Op Pp 19 35 50.3 +0.1
MUO Muotathal 0.34 279 Op Pp 19 35 55.5 +0.9

MUO Muotathal 0.34 279 Op Pp 19 35 50.3 +0.1
MUO Muotathal 0.34 279 Op Pp 19 35 55.5 +0.9

MUO Muotathal 0.34 279 Op Pp 19 35 50.3 +0.1
MUO Muotathal 0.34 279 Op Pp 19 35 55.5 +0.9

MUO Muotathal 0.34 279 Op Pp 19 35 50.3 +0.1
MUO Muotathal 0.34 279 Op Pp 19 35 55.5 +0.9

25d 19h

19 35 50.3 +0.1
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19 35 50.3 +0.1
19 35 55.5 +0.9

Table with columns for station name, code, and numerical values. Includes stations like FUSIO, SLUW, SARK, WEIN, etc.

Table with columns for station name, code, and numerical values. Includes stations like SCUOC, DAAGMA, BOBI, WUWA, etc.

Table with columns for station name, code, and numerical values. Includes stations like MOSI, BIBA, STHK, LAUCH, etc.





25d 19h

Table with columns for station name, frequency, power, and signal strength. Includes stations like SARZ, HOHE, NORI, CABF, etc.

2020 OCT

Table with columns for station name, frequency, power, and signal strength. Includes stations like GRFO, GRA1, GRF, etc.

1450

Table with columns for station name, frequency, power, and signal strength. Includes stations like SMRF, BIW, BKRC, etc.







25d 19h

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like Ueberruh, Lauchernalp, Visp Obere Sta, etc.

2020 OCT

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like Roselend, La Plagne, Haudompre, etc.

1454

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like Novy Kostel, La Murre, Soboth, etc.





25d 21h

Table with columns for station ID, name, frequency, and signal strength. Includes stations like LPAZ, CPBS, and various local radio stations.

2020 OCT

Table with columns for station ID, name, frequency, and signal strength. Includes stations like CPBS, CELP, and various local radio stations.

1456

Table with columns for station ID, name, frequency, and signal strength. Includes stations like CELP, PDRP, and various local radio stations.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like 539A Bolivar, 0K048 Pawnee Station, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like PPT Papeete, CMB Columbia Colle, YHL Hebggen Lake, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Urumqi, WMQ, WMQ, etc.

IDC 25 21:18:40.5-0.9, 37.34N:141.75E, h0km, mb4.0/14, mbmp4.0/20, ML3.4/6, MS2.9/5, Error ellipse: s-maj=18.5km s-min=11.3km az=102.0, NEIC 25 21:18:45.2-1.4, 37.31N:141.7, h35km, 2km, mb4.5/18, Error ellipse: s-maj=16.4km s-min=10.9km az=120.0, NIED 25 21:18:46.3, 37.38N:141.70E, h43km, MW3.9, Moment Tensor Solution, s3 Moment tensor: Scale 10^14N/m; M=4.67; Mb=0.07; Mw=4.74; Mw=0.08; Mb=3.23; Mw=7.07; Fault plane solution: Ms9.06000/1014 NPI: phi=232.00000; delta=200000; lambda=134.00000; NP2:phi=5.00000; lambda=375.00000; lambda=172.00000; JMA 25 21:18:46.3-0.1, 37.4N:141.7E:0.2, h43km, MD4.0/40, MV4.1/40, E OFF FUKUSHIMA PREF, JMA Felt J1, at E OFF FUKUSHIMA PREF, ISC 25 21:18:43.8-0.6, 37.33N:141.82E:0.06, h24km, m70, phi=12/67, mb4.3/24, 10L, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like Kawauchi, lwakimizuishy, Marumori, etc.

25d 21h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like USRK, CJJ, KCJ, KSRS, etc.

Table for Nou 25:21:15.0, 17.07S:167.66E, h13km, MLV4.2/15, Vanuatu Islands, Vanuatu Islands. Includes stations like RTV, SANVU, etc.

Table for IDC 25:21:23.35:6.7, 9.89N:94.88E, h0km, mb3.6/2, mbmt3.4/3, ML3.7/1, Error ellipse: s-maj=187.1km. Includes stations like CMAR, WRA, etc.

Table for SJA 25:21:29.18:6.0, 19.12S:70.14W, h38km, 1km, ML4.7, MW4.7. Includes stations like TRQA, NPGB, etc.

20 OCT s-min=17.7km az=96.0

VAO 25:21:29.43:5.0, 19.75S:69.90W, h113km, mb4.4, Presumed earthquake

ISC 25:21:29.24:1.1, 8.2000S:103.7100W, 0.06, h5km, 10km, n130, s193/128, mb4.3/1.1, 10C, Off coast of northern Chile

Main table for 20 OCT with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TA02, PSAG, etc.

Table for LPAZ La Paz, 4.63 38 eP, 21 30 37.3 +2.0. Includes stations like LPBZ, LPB1, etc.

Table for SIV San Ignacio, 10.32 69 eP, 21 31 54.4 +1.4. Includes stations like SIV, CFA, etc.

Table for CPUP Villa Florida, 14.12 119 AML, 21 32 43.4 -1.6. Includes stations like AODB, SJPY, etc.

Table for RYDE Rio Verde, 15.25 89 eP, 21 32 56.9 -1.4. Includes stations like RYDE, COIM, etc.

Table for CPBS Cacapava Du Su, 19.01 126 eP, 21 33 47.9 +0.5. Includes stations like MACA, TRQA, etc.

Table for BDBF Brasilia, 22.38 83 P, 21 34 28.0 -0.8. Includes stations like BDBF, etc.

1458 comp=2.14nm,1.0s

Table for 1458 with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VAO, BOAV, etc.

VAO 25:21:32.19:4.0, 8.23S:69.75W, h10km, mb4.9, Presumed earthquake

SJA 25:21:32.41:4.0, 7.23S:68.56W, h122km, 6km, ML4.6, MW4.3

NEIC 25:21:32.42:0.1, 6.23S:68.54W, 0.06, h118km, 4km, mb4.4/30, Mw1.6(GUC), Error ellipse: s-maj=8.0km

GUC 25:21:32.42:0.0, 6.23S:68.61W, h125km, 5km, ML4.5, Presumed earthquake

IDC 25:21:32.43:6.3, 8.23S:68.32W, h128km, 33km, mb3.9/8, mbmt4.4/9, Error ellipse: s-maj=26.6km s-min=17.7km

ISC 25:21:32:40.9:0.6, 23.24S:104.06:48.45W, 0.04, h112km, 5km, n161, s193/179, mb4.3/1.8, 10C-4D, Northern Chile

Table for SIV San Ignacio, 10.32 69 eP, 21 31 54.4 +1.4. Includes stations like SIV, CFA, etc.

Table for AF01 San Pedro de A, 0.38 40 eP, 21 32 59.8 +2.0. Includes stations like AF01, etc.

Table for AF01 San Pedro de A, 0.38 40 eP, 21 32 59.8 +2.0. Includes stations like AF01, etc.

Table for AF01 San Pedro de A, 0.38 40 eP, 21 32 59.8 +2.0. Includes stations like AF01, etc.

Table for AF01 San Pedro de A, 0.38 40 eP, 21 32 59.8 +2.0. Includes stations like AF01, etc.

Table for SALTA, 2.16 117 eP, 21 33 20.2 +3.7. Includes stations like SALTA, etc.

PB14	IPOC Station P	2.26 232	eP	Pn	21 33 18.6	+1.0
PB14			eS	Sn	21 33 46.2	+0.5
PB14			IAML		21 33 51.6	
PB14	comp=Z,2.0m,0.4s					
PB14	IPOC Station P	2.26 232	eP	Pn	21 33 17.8	+0.2
PB14	IPOC Station P	2.26 232	eP	Pn	21 33 18.1	+0.5
PB14			eS	Sn	21 33 45.7	0.0
PB14			IAML		21 33 50.8	
PB02	comp=E,2.0m,0.3s					
PB02	IPOC Station P	2.34 325	eP	Pn	21 33 19.2	+0.8
PB02			eS	Sn	21 33 47.5	+0.3
PB02			IAML		21 33 50.3	
PB02	comp=Z,6.0m,0.4s					
PB02	IPOC Station P	2.34 325	eP	Pn	21 33 18.1	-0.4
PB02	IPOC Station P	2.34 325	eP	Pn	21 33 19.1	+0.6
PB02			eS	Sn	21 33 46.7	+0.5
PB02			IAML		21 33 52.3	
HJA	Humahuaca	2.79 90	eP	Pn	21 33 28.7	+4.0
YJA	Yavi	0.91 69	eP	Pn	21 33 29.5	+3.3
SLA	San Lorenzo	3.07 119	eP	Pn	21 33 32.7	+4.7
SLA	San Lorenzo	3.07 119	eP	Pn	21 33 32.6	+4.5
TA01	Diego Aracena	3.11 329	eP	Pn	21 33 28.1	-0.4
TA01			eS	Sn	21 33 53.0	-1.2
TA01			IAML		21 34 01.2	
TA01	comp=Z,7.81m,0.4s					
TA01	Diego Aracena	3.11 329	eP	Pn	21 33 27.8	-0.7
TA01	Diego Aracena	3.11 329	eP	Pn	21 33 27.5	-1.0
PB08	IPOC Station P	3.16 348	eP	Pn	21 33 31.2	+1.8
PB08			eS	Sn	21 34 04.5	-2.3
PB08			IAML		21 34 07.9	
PB08	IPOC Station P	3.16 348	eP	Pn	21 33 29.7	+0.2
PB08	IPOC Station P	3.16 348	eP	Pn	21 33 30.4	+0.9
PB08			eS	Sn	21 34 04.2	-2.6
PB08			IAML		21 34 07.3	
TA02	comp=N,4.86m,0.2s					
TA02	Hualquipec	3.35 332	eP	Pn	21 33 30.5	-1.1
AC01	Pan de Azucar	3.49 214	eP	Pn	21 33 32.2	-0.4
AC01	Pan de Azucar	3.49 214	eP	Pn	21 33 33.0	-0.6
GO01	Chumizma	3.62 349	eP	Pn	21 33 35.9	+0.1
GO01			eS	Sn	21 34 05.0	-1.3
GO01			IAML		21 34 11.3	
GO01	comp=Z,4.87m,0.6s					
GO01	Chumizma	3.62 349	eP	Pn	21 33 36.5	+0.7
GO01	Chumizma	3.62 349	eP	Pn	21 33 36.5	+0.7
AC02	Maricunga	3.63 190	eP	Pn	21 33 37.4	+1.6
AC02	Maricunga	3.63 190	eP	Pn	21 33 37.2	+1.4
PB11	IPOC Station P	3.64 342	eP	Pn	21 33 35.1	-0.7
PB11	IPOC Station P	3.64 342	eP	Pn	21 33 36.4	+0.9
PSGCX	Pisagua	3.95 336	eP	Pn	21 33 39.6	-0.2
PSGCX	Pisagua	3.95 336	eP	Pn	21 33 38.1	-1.7
AC06	Mina Casimiro	4.45 202	eP	Pn	21 33 46.8	+0.5
PB16	IPOC Station P	4.98 348	eP	Pn	21 33 54.9	+0.8
LPAZ	La Paz	6.93 9	eP	Pn	21 34 22.2	+1.7
LPAZ	comp=Z,2.8m,0.4s,baz=132,slow=13,SNR=4.8					
LPAZ	La Paz	6.93 9	eP	Pn	21 34 22.0	+1.5
LPAZ	La Paz	6.93 9	eP	Pn	21 34 05.4	-1.5
CPA	Coronel Fontan	8.33 179	eP	Pn	21 34 37.4	-1.5
CFA	comp=Z,7.6m,0.3s,baz=12,slow=12,SNR=4.0					
BBSD	Serra de San D	9.51 52	eP	Pn	21 34 50.0	-3.0
SIV	San Ignacio	10.01 45	eP	Pn	21 34 58.8	-3.0
SIV	comp=Z,1.4m,0.4s,baz=229,slow=12,SNR=36					
SIV			S	Sn	21 36 42.2	-1.0
MURT	Porto Murinho	10.15 83	eP	Pn	21 35 02.1	-1.4
COMI	Forte Coimbra	10.46 74	eP	Pn	21 35 06.3	-1.5
CPUP	Villa Florida	10.56 109	eP	Pn	21 35 07.5	-1.6
CPUP	comp=Z,3.5m,0.9s,baz=292,slow=13,SNR=3.2					
CPUP	Villa Florida	10.56 109	eP	Pn	21 35 09.0	-0.1
CPUP	Villa Florida	10.56 109	eP	Pn	21 35 05.2	-3.9
BBFS	Puerto Suarez	10.73 69	eP	Pn	21 35 09.1	-2.3
BDQN	Sodotenga, MS	11.21 78	eP	Pn	21 35 16.9	-1.0
BO01	Tunca	11.35 91	eP	Pn	21 35 19.4	-0.2
PTLB	Pontes e Lacer	11.71 50	eP	Pn	21 35 20.7	-3.9
AQDB	Aquidauana	12.15 79	eP	Pn	21 35 32.4	+0.1
AQDB	Aquidauana	12.15 79	eP	Pn	21 35 29.3	-1.1
RVDE	Rio Verde (Bra	13.23 78	eP	Pn	21 35 32.4	+0.3
PP1B	Ponte de Pedra	13.90 69	eP	Pn	21 35 53.0	-0.2
RPRD	Ribas do Rio P	13.96 81	eP	Pn	21 35 54.7	+0.7
SALV	Santo Antonio	14.06 61	eP	Pn	21 35 54.4	-0.8
TRCB	Terra Rica	14.57 91	eP	Pn	21 36 06.4	+1.3
TRCB	Terra Rica	14.57 91	eP	Pn	21 36 02.4	-2.7
CPSS	Caapava Do Su	15.12 78	eP	Pn	21 36 02.4	-2.3
CPSS	Caapava Do Su	15.12 78	eP	Pn	21 36 05.1	-1.1
ITAB	Concordia	15.29 108	eP	Pn	21 36 12.9	-0.1
ITAB			IAMB		21 36 14.4	
ITAB	comp=Z,4.2m,1.1s					
ITAB	Concordia	15.29 108	eP	Pn	21 36 09.6	-1.1
LDASE	Londrina, Braz	15.92 94	eP	Pn	21 36 19.7	-0.4
PCMB	Pacambu	15.97 87	eP	Pn	21 36 21.7	+1.0
PDRB	Porto do Gac	16.07 46	eP	Pn	21 36 20.0	-0.6
GO06	Curarehue	16.49 188	eP	Pn	21 36 25.4	+0.3
CNLE	Caranelha	16.89 115	eP	Pn	21 36 30.0	-0.8
CLDE	Colider	17.23 81	eP	Pn	21 37 03.1	-1.7
FRTB	Fartura	17.35 94	eP	Pn	21 37 01.8	-0.4
ARAG	Araguaiana, MT	17.38 67	eP	Pn	21 36 36.9	+0.4
PLCA	Paso Flores	17.53 185	eP	Pn	21 36 38.2	0.0
PLCA	comp=Z,1.2m,0.5s,baz=5,slow=6.1,SNR=4.0					
PLCA	Paso Flores	17.53 185	eP	Pn	21 36 37.3	-0.5
BB19B	Bebedouro	18.58 87	eP	Pn	21 36 49.1	-1.9
SPB	Sao Paulo	19.29 95	eP	Pn	21 36 56.9	-2.9
RCLB	Rio Claro- Sao	19.30 92	eP	Pn	21 36 56.9	-0.3
PET01	Ihanhaem-SP	19.41 97	eP	Pn	21 36 58.4	-2.2
IPMB	Ipaneri, GO	19.64 78	eP	Pn	21 37 00.8	-0.2
VAO	Valinhos	19.76 94	eP	Pn	21 37 01.7	-0.7
VAO	Valinhos	19.76 94	eP	Pn	21 37 01.8	-0.4
SNDB	Serra Nova Dou	19.80 58	eP	Pn	21 37 01.2	-1.5
NPGS	Novo Progresso	20.44 40	eP	Pn	21 37 08.0	-1.6
BDFB	Brasilia	20.68 72	eP	Pn	21 37 10.6	-1.7
BDFB	comp=Z,5.0m,0.7s,baz=244,slow=12,SNR=26					
BDFB	Brasilia	20.68 72	eP	Pn	21 37 11.1	-1.2
BDFB			IAMB		21 37 12.9	
CANS	Sao Roque de M	20.69 86	eP	Pn	21 37 12.4	+0.1
PARB	Paraibuna	20.97 95	eP	Pn	21 37 15.1	-0.2
PMNB	Patos De Minas	21.08 81	eP	Pn	21 37 15.6	-0.9
MACA	Manacapur-AM	21.33 22	eP	Pn	21 37 19.9	-1.2
MACA	Manacapur-AM	21.33 22	eP	Pn	21 37 15.4	-3.6
BSCB	Bom Sucesso	21.62 98	eP	Pn	21 37 22.0	-0.4
ITTB	Itatuba	22.43 35	eP	Pn	21 37 29.5	-1.1
VAS01	Vassouras-RJ	23.07 93	eP	Pn	21 37 36.7	-0.2
DIAM	Diamantina, MG	23.67 83	eP	Pn	21 37 42.3	-0.3
SMTB	Santa Maria do	24.57 58	eP	Pn	21 37 50.9	+0.3
SMTB	Santa Maria do	24.57 58	eP	Pn	21 37 49.8	-0.8
SDBA	SAO DESIDERIO	24.83 68	eP	Pn	21 37 53.2	+0.2
ARCA	Araquai, MG	25.66 81	eP	Pn	21 38 00.5	0.0
BSFB	Barra de Sao F	26.11 86	eP	Pn	21 38 04.8	+0.3
RIB01	Linhares ES	26.41 87	eP	Pn	21 38 06.5	-0.7
GUA01	Guaratinga, BA	27.70 81	eP	Pn	21 38 19.5	+0.2
NBFN	Ponto Novo - B	28.62 73	eP	Pn	21 38 52.0	-0.4
NBLA	Lagarto	31.65 73	eP	Pn	21 38 53.1	-0.6
NBPS	Pedro II - P	32.11 58	eP	Pn	21 38 55.9	-2.0
NBTA	Tacaratu-PE	32.29 69	eP	Pn	21 38 59.3	0.0
NBMA	Muriti-CE	32.59 66	eP	Pn	21 39 02.1	+0.2
VNA3	Neumayer Olymp	58.30 161	IP	P	21 42 24.8	+1.2
VNA2	Neumayer-Watz	61.87 160	IP	P	21 42 28.4	+0.8
VNA2	comp=Z,0.8m,0.4s,baz=288,slow=7.1					
VWT	Waverly	61.83 342	eP	P	21 42 47.6	-0.4
VWT			IAMB		21 42 48.2	
TROLL	Troll, Antarti	62.22 161	IP	P	21 42 51.8	+1.4
TXAR	Lajitas Array	62.30 325	eP	P	21 42 52.0	+0.6
TXAR	comp=Z,0.6m,0.8s,baz=149,slow=9.7,SNR=6.7					
TXAR	Lajitas Array	62.30 325	eP	P	21 42 50.8	+0.6
VHRN	Van Horn	64.14 325	eP	P	21 42 03.6	0.0
VHRN			IAMB		21 43 05.3	
S39A	Bolivar	64.97 338	eP	P	21 43 09.0	+0.3
SMWD	Samnorwood	65.40 332	eP	P	21 43 12.4	+0.8
QSPA	South Pole Qui	66.96 180	eP	P	21 43 23.0	+1.7
QSPA	comp=Z,3.4m,0.5s,baz=325,slow=1.2,SNR=34					
QSPA	South Pole Qui	66.96 180	eP	P	21 43 22.4	+1.1
QSPA			IAMB		21 43 23.7	
ALQ	Albuquerque	68.18 327	eP	P	21 43 31.1	+1.6
ALQ			IAMB		21 43 31.5	

ALQ	Albuquerque	68.18 327	eP	P	21 43 30.5	+1.1
ALQ			IAMB		21 43 31.9	
ALQ	comp=Z,3.1m,0.7s					
ANMO	Albuquerque	68.19 327	eP	P	21 43 29.9	+0.4
ANMO			IAMB		21 43 31.8	
TASM	ASL Pad, Albuq	68.19 327	eP	P	21 43 30.0	+0.5
TASM			IAMB		21 43 31.5	
TASM	ASL Pad, Albuq	68.19 327	eP	P	21 43 30.0	+0.5
TASM			IAMB		21 43 32.2	
DBIC	Dimbokro	68.83 73	eP	P	21 43 33.8	+0.1
DBIC	comp=Z,6.8m,0.8s,baz=224,slow=4.9,SNR=6.7					
DBIC	Dimbokro	68.83 73	eP	P	21 43 34.2	+0.5
DBIC			IAMB		21 43 35.7	
RSSD	Black Hills	74.55 334	eP	P	21 44 07.3	-0.2
RSSD			IAMB		21 44 10.8	
PD31	Pinedale Array	75.83 330	eP	P	21 44 14.8	-0.1
PDAR	Pinedale Array	75.83 330	eP	P	21 44 15.4	+0.5
PDAR	comp=Z,0.5m,0.5s,baz=132,slow=7.2,SNR=8.8					
PDAR	Pinedale Array	75.83 330	eP	P	21 44 15.2	+0.3
ADHR	Auburn Hatcher	75.85 329	eP	P	21 44 19.5	+0.5
ADHR			IAMB		21 44 21.2	
ULHM	Lac du Bonnet	77.10 342	eP	P	21 44 21.8	+0.2
ULHM	comp=Z,6.0m,0.7s					
ULHM	Lac du Bonnet	77.10 342	eP	P	21 44 21.8	+0.2
ULHM	comp=Z,3.8m,0.5s,baz=158,slow=7.2,SNR=12					
ULM	Lac du Bonnet	77.10 342	eP	P	21 44 21.8	+0.2
YHH	Holmes Hill	77.99 331	eP	P	21 44 27.4	+0.3
YHH			IAMB		21 44 30.2	
PAHR	Pah Rah Range	78.61 322	eP	P	21 44 30.8	+0.4
PAHR			IAMB		21 44 33.4	
HLID	Hailey	78.74 328	eP	P	21 44 31.8	+0.7
BLID	Pearl Lake	80.63 328	eP	P	21 44 42.2	+0.8
BLID	comp=Z,1.2m,0.7s,baz=231,slow=7.8,SNR=6.9					
BOSA	Boshof	82.26 118	eP	P	21 44 50.5	+0.1
BOSA			IAMB		21 44 52.8	
MAW	Mawson	82.55 163	eP	P	21 44 52.4	+1.5
MAW	comp=Z,9.2m,1.2s					
MAW	Mawson	82.55 163	eP	P	21 44 52.2	+1.3
MAW	comp=Z,1.3m,0.6s,baz=259,slow=5.2,SNR=4.1					
ASAR</						







25d 23h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include H11N1 WAKE ISLAND Hy 42.95 230 T T 23 40 10.4, H11S1 WAKE ISLAND Hy 44.09 229 T T 23 41 34.6, H11S2 WAKE ISLAND Hy 44.10 229 T T 23 41 41.2, etc.

IDC 25 22:46:15.6:0.8, 5.12N:31.77E, h0km, mb3.8/7, mbmp3.8/7, ML5.2/1, MS3.2/4, Error ellipse: s-maj=20.6km s-min=10.3km az=85.0
NEIC 25 22:46:17.6:1.2, 5.08N:0.05:31.77E:0'08, h10km, 1km, mb4.5/8, Error ellipse: s-maj=15.5km s-min=5.7km az=238.0
ISC 25 22:46:18.0:0.6, 5.07N:0.07:31.75E:0'08, h17km, m3, n1, o5611/31, mb4.1/10, MS3.5/3, Sudan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include LODK Lodwar 3.95 114 Op P 22 47 10.7 +0.3, MBAR Mbarara 5.72 190 Sn Sn 22 47 42.7 +0.3, MBAR 76nm, 0.3s, baz=0.0, slow=20, SNR=72 Sn Sn 22 48 48.1 +0.1, etc.

IDC 25 23:06:41.0:0.5, 6.22'14S:57.66W, h0km, mb4.4/12, mbmp4.3/13, ML3.8/1, MS3.6/9, Error ellipse: s-maj=18.7km s-min=12.5km az=102.0
NEIC 25 23:06:42.5:1.9, 6.22'33S:0'04:58.1W:0.2, h10km, 1km, mb4.7/25, Error ellipse: s-maj=11.9km s-min=6.4km az=268.0
GFZ 25 23:06:44.3:0.2, 6.22'33S:0'04:58.1W:0.2, h10km, M4.7/23, mb4.7/23, confirmed

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include ESPZ Base Esperanza 1.24 157 iP S 23 07 04.8 -1.0, ESPZ Palmer Station 1.24 157 Pn P 23 07 04.4 -1.5, PMSA Palmer Station 3.68 224 Sn Sn 23 07 39.1 -0.3, etc.

2020 OCT

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include BELA Belgrano 2 17.34 164 Pn Pn 23 10 42.8 -1.3, COYC Coyhaique 18.58 328 P P 23 10 58.7 -0.7, VNA3 Neumayer Olymp 20.48 136 P Pn 23 11 22.3 +0.1, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include GSPS South Pole Qui 27.96 180 P P 23 12 34.0 +1.1, GQSA comp=Z, 86nm, 19.9s, baz=160, slow=39, SNR=24 LR 23 25 08.3, BO02 Sierra Bellavi 28.64 338 P P 23 12 39.2 +0.1, etc.

UCR 25 23:17:22.5:0.6, 11.466N:86.04W, h179km, 7km, MW4.0, Presumed earthquake
CATAC 25 23:17:24.9:0.3, 12.1N:2.8'6W, h165km, 2km, M3.3/30, MLV3.3/30, Error ellipse: s-maj=6.3km s-min=2.2km az=49.0, confirmed

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include JAPAN AI SSO del Vol 0.20 96 Op P 23 17 47.9 +0.9, JAPAN AI SSO del Vol 0.20 96 eP Pn 23 17 47.9 +0.9, MORN AI O del Volca 0.23 90 P S 23 17 47.4 +0.3, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include WRA Warramunga Arr 97.48 192 P P 23 20 15.8 -0.8, CMAR Chiang Mai Arr 133.38 149 PKP PKPdf 23 25 58.8 +0.2, NOA NORARS Array B133.74 39 PKP PKPdf 23 25 57.0 -0.9, etc.

IDC 25 23:06:43.9:2.1, 22.889S:179.54W, h519km, 20km, mb3.1/5, mbmp4.1/7, Error ellipse: s-maj=28.4km s-min=20.6km az=95.0
ISC 25 23:06:43.9:0.6, 23.105S:0.09:179.5W:0.1, h526km, n36, o1711/38, mb3.6/7, 3C, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include MSVF Nonauv 5.82 336 Op P 23 08 17.9 -2.1, GLKZ Green Lake 6.29 167 P S 23 08 23.6 -0.4, NIUE Niue 9.77 68 P AML AML 23 09 01.2 +1.9, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include ASAR Alice Springs 42.64 260 P P 23 13 54.2 0.0, WRA Warramunga Arr 42.95 265 P P 23 13 55.9 -0.7, WRA 1.1nm, 0.6s, baz=101, slow=8.5, SNR=8.1 P P 23 15 35.1 -0.4, etc.

Table with columns: Code, Station Name, Az, El, AzE, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like AMTN Mateare, LAPC Finca la Perla, VRLE La Escondida, etc.

IDC 25 23:43:08.0s:0.4, 56:61S:141:75W, h0km, mb5.0/16, mbmp5.0/16, MS4.6/50, Error ellipse: s-maj=19.5km s-min=13.5km az=176.0
MOS 25 23:43:10.1s:1.3, 56:77S:141:64W, h10km, mb5.5/21, Error ellipse: s-maj=17.2km s-min=12.4km az=80.8
NEIC 25 23:43:11.0s:1.5, 56:75S:0:141:77W:0.2, h10km:1km, mb5.2/93, Ms\_20.5/0.14, Mwms5.5/13, Error ellipse: s-maj=18.8km s-min=14.0km az=32.0
GFZ 25 23:43:11.7s:0.2, 57:51.7:14:2W, h10km, MS, 4/25, mb5.2/25
GCMT 25 23:43:14.1s:0.1, 56:82S:0:01:141:76W:0:01, h12km, MW5.3/29, Moment Tensor Solution: s103.c165, s129.c238, Duration: 181, Moment tensor: Scale 1017 Nm, Mo:0.63e:02, Mw:0.71e:02; Mw-1.33e:01; Mo:0.16e:05, Mw:0.27e:02; Mw-0.14e:04; Best double couple: Mo:1.11000e:1017, NP1:33.00000e:062,00000e:0, 1.157.00000e:0, NP2:134.00000e:070,00000e:0, 1.30.00000e:0
Principal axes: T 0.8410, Plg35.0000e:0, Azm355.0000e:0; N 0.5410, Plg55.0000e:0, Azm166.0000e:0; P -1.3790, Plg5.0000e:0, Azm262.0000e:0; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

Triangular moment-rate function
ISC 25 23:43:11.3s:0.9, 56:75S:0:00:141:53W:0:05, h14km:5km, h134:19P-P, n619, 46:98S:54.4, mb5.2/107, MS4.9/102, 18C-6D, Pacific-Anticentric Ridge

Table with columns: Code, Station Name, Az, El, AzE, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like Chatham Island, Scott Base, Vanda, etc.

Table with columns: Code, Station Name, Az, El, AzE, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like QSPA comp=Z,10nm,1.0s, bazu=73, slow=5.7, SNR=14, etc.

Table with columns: Code, Station Name, Az, El, AzE, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like NOUC Port Laguerre, NVL N'lazarevskaya, etc.

25d 23h

Table with columns: CTAO, Charters Tower, 63.70 273, IAMS\_20, IAMS\_20, 00 17 22.0, etc. Lists various charter tower stations and their frequencies.

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Table with columns: SPB, Sao Paulo, 72.80 107, IAMS\_20, IAMS\_20, 00 21 37.1, etc. Lists various stations and their frequencies.

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Table with columns: 833A, Chaparral WMA, 91.90 36, P, Iamb, Iamb, 23 56 19.6 +0.9, etc. Lists various stations and their frequencies.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CD2 Chengdu, HEH Heihe, HYB Hyderabad, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KURK Kurchatov, KURBB Kurchatov, EKA Eskdalemuir, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like mblmp4.2/21, MS3.5/3, Error ellipse: s-maj=24.0km, etc.

DJA 25 23:49:48.7±0.5, S:2.2°; 10' 8"E, h18km, 4km, M4, 8/44, m5, 0/7, m5, 6/5, MLV4, 7/44, Mw(m)5.1/5, Mw/Mwp4.8/1, Mw5.1/1
NEIC 25 23:49:48.6±2.1, 8:13S:0.08±107.90E:0.08, h49km, 6km, mb4, 4/25, Error ellipse: s-maj=14.4km s-min=7.3km az=222.0
GFZ 25 23:49:49.0±0.5, S:6.6°; 10' 8"E, h4km, 6km, M4, 3/11, mb4, 3/11, Error ellipse: s-maj=13.8km s-min=5.5km az=22.3, confirmed
IDC 25 23:49:52.7±1.1, 7:96S: 107:96E, h90km, 9km, mb3.8/18,

26d 0h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like WMQ, SONM, BKDG, etc.

UPP 26 00:29:58.0-0.1, 67.85N:20.21E, h0km, ML2.5, Suspected explosion
HEL 26 00:29:59.0-0.1, 67.84N:20.14E, h0km, ML1.7, Suspected explosion

ISC 26 00:29:58.0-0.8, 67.83N:02.20E, h0km, n30, e1508/48, Sweden

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like RATU, KUVU, KOFU, etc.

2020 OCT

Table with columns: KU6, Riekki, 4.21 111, PG, Pb, 00 31 14.7 +1.2. Lists stations like SAUI, SAUI, SAUI, etc.

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Table with columns: CTA, Charters Tower, 20.64 132, P, P, 00 46 46.2 +0.0. Lists stations like CTAO, CTAO, CTAO, etc.





Table with columns: Station Name, Time, Res, and various codes. Includes stations like WSF, HAJTJ, Hsinying, Shuilin Townsh, etc.

Table with columns: Code, Station Name, Time, Res, and various codes. Includes stations like TOLK, F24K, D24K, etc.

Table with columns: Code, Station Name, Time, Res, and various codes. Includes stations like SATY, SATY, SATY, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like KDCA, KODIAK ISLAND, KUSKOKWAK CREEK, etc.

NEIC 26 01:39:49.1.1, 17:92N, 01:04:67.00W, 0.02, h18km, m3.4, 3/6, ML4.0/4.5, MD3.5/16(RSPR), Error ellipse: s-maj=5.6km s-min=2.1km az=202.0

Main table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like PTWC, SDD, RSPR, OSPL, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like BFL, MBFL, MBWH, etc.

IDC 26 02:08:24.6.1.2, 3:68S, 103:38W, h0km, mb3.7/5, mbmp3.7/5, MS3.5/11, Error ellipse: s-maj=60.0km s-min=26.6km az=71.0











26d 3h

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like Kiev, Elat, Chiang Mai Arr, Muntele Rosu, etc.

2020 OCT

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like Averroes, Utukok River, Kuna Riva, etc.

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Table with columns: Code, Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like Saint Lucia B, Castries, etc.

VAO 26 03:39:47.4±0.6, 7.38S; 74.70W, h170km, 3km, mbR4.1, Presumed earthquake

ISC 26 03:39:50.5±2.1, 7.65S; 74.72W, h146km, 21km, mb3.4/5, mbZ=9.9, Error ellipse: s-maj=24.3km s-min=13.2km

ISC 26 03:39:49.5±0.6, 7.56S; 077.746W, 0.05, h154km, n21, s186°/30, mb3.6/5, Peru-Brazil border region

Table with columns: Code, Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like Cruzeiro do Sul, Atualupa, etc.

TXAR Lajitas Array 46.14 324 P 03 47 59.6 +0.9

DBIC Dimbocko 70.98 80 P 03 50 54.2 +3.2

YKA Yellowknife Arr 76.30 342 P 03 51 22.2 +1.2

QSPA South Pole Qui 82.54 180 P 03 51 57.0 +2.0

ASAR Alice Springs 138.30 221 PKHKP PKPpre 03 58 52.4

ASAR Alice Springs 140.52 226 PKP 03 58 58.9 -0.7

WRA Warramunga Arr 148.22 226 PKP 03 59 02.6 -1.6

AEIC 26 03:41:38.1±1.8, 5.42N; 159.87W, 0.1, h37km, 9km, Error ellipse: s-maj=1.4km s-min=4.4km az=132.0

NEIC 26 03:41:38.1±1.8, 5.42N; 159.87W, 0.09, h20km, 12km, mb3.8/7, ML3.2/26, ML3.0(AEIC), Error ellipse: s-maj=11.3km s-min=6.6km az=151.0, South of Alaska

Table with columns: Code, Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like Chernabura Isl, Sand Point, etc.

TRN 26 03:34:15.0, 14.06N; 60.54W, h82km, MD2.7, East of Saint Lucia, FUNV 26 03:34:56.4, 13.96N; 60.47W, h22km, MW4.0, Presumed



26d 3h

Table with columns for station name, elevation, and various data points. Includes stations like HLNI, CELESTE, BULGHERIA, etc.

2020 OCT

Table with columns for station name, elevation, and various data points. Includes stations like SGO, CELI, MCEL, etc.

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Table with columns for station name, elevation, and various data points. Includes stations like VNKR, VNSG, VNWV, etc.

Vertical text block containing station coordinates and identifiers, such as 'IDC 26 03:56:26.4-1.4, 54:53N-159:70W, h0km, mb3.9/11, ...'

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Juneau Island, Miner Creek, Atlin, Toolik Lake, Dgllivik, Teslin, etc.

NEIC 26 04:02:34.7±0.8, 19.26N±0.07; 155.43W±0.09, h33km±15km, ML4.1/40, ML4.0/36(HV0). Error ellipse: s-maj=14.1km s-min=7.7km az=125.0

HVO 26 04:02:35.0±0.7, 19.22N±0.05; 155.39W±0.04, h32km±7km, Error ellipse: s-maj=7.6km s-min=5.5km az=155.0

ISC 26 04:02:34.7±0.8, 19.23N±0.03; 155.44W±0.02, h33km±2km, n71, c089/94, mb3.6/4, MS3.1/4, Hawaiian Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Hot Caves, Wood Valley, Puu Pili, Kahuku, Kipuka Nene, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Southwest Rift, Wilkes Camp, Rainshed, Mokuaweoweo, Kane Nui o Ham, etc.

ISC 26 04:24:16.2±2.0, 3.58N±0.12; 123.57E, h521km±329km, mb2.9/5, mbtmp3.9/9, Error ellipse: s-maj=247.8km s-min=22.1km az=50.0

ISC 26 04:24:15.1±1.1, 3.5N±0.2; 123.4E±0.2, h500km±6, c072/6, mb3.4/5, Celebes Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Don Marcelino, Warramunga Arr, Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Warramunga Arr, Alice Springs, Port Moresby, etc.

ISC 26 04:55:50.5±2.4, 6.97S±0.07; 129.15E±0.07, h169km±6km, mb4.6/22, Error ellipse: s-maj=10.6km s-min=9.7km az=119.0

DJA 26 04:55:51.7±1.1, 7.1S±3.1; 129.9E±1.2, h12km±8km, ML4.3/12, mb4.5/8, mbA.8/7, MLV4.5/12, Mw(MB)4.1/7

ISC 26 04:55:54.8±0.4, 7.20S±0.04; 129.11E±0.04, h156km±n98, c267/100, mb4.6/22, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Saumlaki, Fak Fak, Banda Airra, etc.







Table with columns: Station Name, Code, Time, Res, Phase ID, etc. Includes stations like Adak, KIWB, GLB, HAARP, etc.

JMA 26 06:08:32.0±0.2, 24°6'N, 0°4'12.1'E, 0.5, h72km±1km, M3.1/15, TAIWAN REGION

TAP 26 06:08:33.1±0.2, 24°6'1N, 121°87'E, h71km, ML3.7, ISC 26 06:08:33.7±1.2, 24°63'N, 0.0±0.2, 121°88'E, 0.2, h77km±4km, n183, s093/339, I, Taiwan

Main station list table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, etc. Lists numerous stations across various regions.

Main station list table (continued) with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, etc. Lists numerous stations across various regions.

Main station list table (continued) with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, etc. Lists numerous stations across various regions.

NEIC 26 06:09:41.6±1.4, 17°57'S, 0°08'70.94W, 0°08, h105km±11km, mb4.4/9, Error ellipse: s-maj=13.4km s-min=9.5km az=139.0

VAO 26 06:09:41.7±0.6, 17°43'S, 0°09'29W, h111km, mb4.0, Presumed earthquake

ISC 26 06:09:40.7±1.0, 17°46'S, 0°05'70.92W, 0°09, h99km±10km, n52, s144/57, mb4.2/7, Near coast of Peru

Main station list table (continued) with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, etc. Lists numerous stations across various regions.

ISC 26 06:13:05.4±1.3, 34°12'N, 24°99'E, h0km, mb3.8/8, mbmp3.7/14, ML3.25, MS3.35, Error ellipse: s-maj=28.2km s-min=11.2km az=2-2

AFAD 26 06:13:16.4, 34°50'N, 25°71'E, h7km, 4km, MW3.7  
ISC 26 06:13:08.9, 0.8, 34.15N, 0.05, 25.30E, 0.03, h17km, n77,  
c222/100, mb3.9/8, MS4.0/3, Crete

Table with columns: Code, Station Name, Azimuth, Phase ID, ISC, Time, Res, ISC. Lists various stations like Sivas, Agios Nikolaos, Heraklion, Anoyia, Gavdhos, Zakros, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, ISC, Time, Res, ISC. Lists stations like Karahalli, USA, Mount Meron Ar, Keskinn Array B, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, ISC, Time, Res, ISC. Lists stations like Matsushiro Arr, Matsushiro, Matsushiro, etc.

IDC 26 07:09:59.5, 3.3, 53.55N, 87.92E, h0km, mbtmp2.8/2, M2.4/2, Error ellipse: s-maj=26.0km s-min=19.2km az=78.0

ASRS 26 07:09:58.0, 2.2, 53.57N, 87.97E, h0km, M2.7(MOS), The earthquakes of Russia in 2020. Obninsk, GS RAS, 0222, Southwestern Siberia

IDC 26 07:24:05.1, 1.3, 18.58N, 145.78E, h196km, 12km, mb4.0/25, mbtmp4.5/29, MS3.3/6, Error ellipse: s-maj=14.8km s-min=7.2km az=82.0

DJA 26 07:24:06.1, 1.5, 19.18N, 146.6E, h1191km, 8km, M4.9/24, mb5.0/24, mb5.4/10, MLv4.9/1, Mw(MB)4.8/10

NEIC 26 07:24:06.5, 1.7, 18.57N, 145.75E, 0.10, h192km, 2km, mb4.6/115, Error ellipse: s-maj=13.3km s-min=10.4km az=82.0

GFZ 26 07:24:10.4, 0.3, 19.13N, 146.6E, h241km, M4.5/33, mb4.8/33, confirmed

ISC 26 07:24:06.0, 0.3, 18.54N, 145.82E, 0.07, h200km, n250, 0.09/246, mb4.6/110, D, Mariana Islands



OHAQ	comp=E,375nm,1.3s	IAML		07 43 10.0
KAKN	Katmai Knife C		Pn	07 41 26.2 +1.0
P16K	Nushagak River	4.61 33	Pn	07 41 26.5 +1.0
O15K	Ungalikthiuk R	4.64 360	Pn	07 41 26.9 +0.9
	comp=E,552nm,1.3s			07 43 04.9
KAWH	Katmai	4.76 33	Pn	07 41 27.4 +0.1
O14K	Tiguykauivet M	4.82 351	Pn	07 41 29.1 +1.0
	comp=E,698nm,1.5s	IAML		07 43 05.2
KARR	Katmai Rainbow	4.88 33	Pn	07 41 29.5 +0.6
Q18K	Katmai Hardscr	4.91 31	Pn	07 41 30.2 +0.8
OKFC	Magazine Ridge	4.93 260	Pn	07 41 29.6 +0.1
KAHC	Katmai Hook G	4.92 34	Pn	07 41 30.1 +0.5
OKTU	Okmok Tullii	5.01 260	Pn	07 41 30.4 +0.3
P17K	Kvichak River B	5.04 20	Pn	07 41 32.4 +1.4
O16K	Kokwok River B	5.18 10	Pn	07 41 34.3 +1.4
	comp=E,247nm,1.4s	IAML		07 43 15.0
O16K	comp=N,274nm,1.1s	IAML		07 43 19.2
KDAK	Kodiak Island	5.19 48	Pn	07 41 32.4 -0.7
	comp=N,7.2nm,0.3s,baz=213,slow=6.5,SNR=47			07 42 29.0 -3.1
KDAK	comp=N,4.6nm,0.3s,baz=236,slow=8.1,SNR=3.7			07 42 29.0 -3.1
	comp=N,15nm,0.3s			
KDAK	Kodiak Island	5.19 48	AML	07 41 33.7 +0.6
KDAK	comp=N,233nm,1.3s	IAML		07 43 28.3
KDAK	Kodiak Island	5.19 48	P	07 41 35.2 +2.2
	comp=N,206nm,0.9s			
P19K	Big Mountain	5.49 25	Pn	07 41 37.7 +0.5
N14K	Kuskokwak Cree	5.52 350	Pn	07 41 38.8 +1.0
Q19K	Cape Douglas	5.57 35	Pn	07 41 38.8 +0.5
O18K	Koktuh Hills	5.90 23	Pn	07 41 43.9 +1.0
CLCO	Concord Point,	6.16 258	Pn	07 41 45.9 -0.5
N17K	Nushagak Hills	6.19 12	Pn	07 41 47.7 +0.9
M15K	Kasiguluk River	6.22 356	Pn	07 41 50.9 +0.8
O19K	Port Alsworth	6.25 25	Pn	07 41 51.1 +1.1
SP1A	Saint Paul Isl	6.47 299	P	07 41 52.7 +2.0
M16K	Timber Creek	6.54 3	Pn	07 41 52.8 +1.1
ILSW	Iliamna Southw	6.56 31	Pn	07 41 52.2 +0.2
IVE	Iliamna Volcan	6.62 31	Pn	07 41 53.4 +0.5
L14K	Kuka Creek	7.02 348	Pn	07 42 00.9 +0.8
BRSE	Bradley Lake S	7.18 39	Pn	07 42 00.1 -0.4
L15K	Ungalak Mounta	7.24 359	Pn	07 42 00.9 -0.4
M18K	Stony River	7.30 15	Pn	07 42 03.3 +1.2
L17K	Donlin	7.68 5	Pn	07 42 06.9 -0.4
CKL	Chakachamna La	7.77 28	Pn	07 42 09.8 +1.0
K15K	Wolf Creek M	7.86 354	Pn	07 42 17.8 -0.2
K13K	Kusilvak Mount	7.87 343	Pn	07 42 10.3 +0.4
L18K	Granite Mounta	7.90 11	Pn	07 42 11.2 +1.0
M19K	Big River Lodg	7.94 19	Pn	07 42 11.8 +1.0
K17K	Iditarod	8.27 5	Pn	07 42 15.8 +0.6
J14K	Susitna One	8.45 31	Pn	07 42 19.1 -0.2
K11K	Nanvanarak Lak	8.49 348	Pn	07 42 19.1 +0.8
J16K	Anvik River	8.81 58	Pn	07 42 22.3 -0.4
PWL	Port Wells	8.82 39	Pn	07 42 22.1 -0.8
KOPF	Korovin Flat P	8.85 261	Pn	07 42 23.9 +0.6
J17K	VABM Dome	8.92 2	Pn	07 42 23.9 -0.3
ATKA	Atka Island	8.93 261	P	07 42 24.9 +0.4
ATKA	Atka Island	8.93 261	P	07 42 24.2 -0.2
PMR	Palmer	9.06 34	P	07 42 27.0 +0.9
FID	Port Fidalgo	9.47 43	Pn	07 42 30.7 -1.1
EYAK	Cordova Ski Ar	9.66 46	P	07 42 35.8 +1.2
ADK	Adak	10.48 262	P	07 42 45.3 -0.3
ADK	Adak	10.48 262	P	07 42 44.5 -1.1
	comp=Z,32nm,0.7s			
COLA	College	11.98 25	P	07 43 08.6 +2.5
COLA	College	11.98 25	P	07 43 08.5 +0.5
ILAR	Eielson Array	12.15 27	Pn	07 43 05.8 -2.6
	comp=Z,0.3s,baz=216,slow=13,SNR=18			
	comp=Z,1.4nm,0.6s			
ILAR			AML	
PNL	Peninsula	12.20 57	P	07 43 10.2 +1.0
SIT	Sitka	13.92 70	P	07 43 34.2 +1.0
SKAG	Skagway	14.18 60	P	07 43 37.5 +1.5
WHY	Whitehorse	14.64 55	P	07 43 43.5 +1.0
	comp=Z,22nm,0.6s			
I29M	Ogilvie Camp,	15.19 36	Pn	07 43 51.5 +1.7
M31M	Drury Creek, Y	15.30 50	Pn	07 43 51.7 +0.5
M31M			IAMB	07 44 09.1
	comp=Z,32nm,0.9s			
J30M	Hart River	15.48 40	IAMB	07 44 12.7
	comp=Z,50nm,1.1s			
D24K	Happy Valley	15.53 15	IAMB	07 43 59.3
P33M	Teslin, Yukon	15.55 58	Pn	07 43 55.7 +1.1
P33M			IAMB	07 44 09.8
	comp=Z,31nm,1.0s			
SHEM	Shemya Is	15.57 274	LR	07 49 17.8
	comp=Z,241nm,20.5s,baz=122,slow=35			
H29M	Whitestone	15.69 33	IAMB	07 44 14.4
	comp=Z,32nm,0.8s			
C24K	Franklin Bluff	16.07 14	IAMB	07 44 04.7
	comp=Z,11nm,0.9s			
F28M	Old Crow	16.17 28	Pn	07 44 03.2 +0.9
G29M	Pine Creek	16.23 32	Pn	07 44 04.1 +0.9
G29M			IAMB	07 44 07.8
	comp=Z,35nm,0.7s			
EPYK	Eagle Plains	16.31 34	Pn	07 44 05.3 +1.0
DLBC	Dease Lake	16.82 64	Pn	07 44 10.6 -0.2
	comp=Z,0.4nm,0.3s,baz=243,slow=13,SNR=12			
	comp=Z,2.3nm,0.6s			
DLBC	H31C		AML	
H13M	Peel River	16.82 38	IAMB	07 44 36.1
	comp=Z,37nm,0.9s			
G30M	tAoh Zraji Njii	16.84 33	IAMB	07 44 15.5
	comp=Z,18nm,0.9s			
C26K	Camden Bay	16.85 18	IAMB	07 44 22.3
	comp=Z,44nm,1.1s			
RUBB	Prince Rupert	17.13 79	P	07 44 16.1 0.0
RUBB			IAMB	07 44 30.0
	comp=Z,51nm,1.2s			
F30M	Barrier River	17.35 31	IAMB	07 44 21.8
	comp=Z,25nm,0.7s			
G31M	Satah River	17.43 35	P	07 44 19.0 -0.3
G31M			IAMB	07 44 40.7
	comp=Z,29nm,0.8s			
F31M	Tsigheitchic	17.89 33	P	07 44 24.9 +0.5
INK	Inuvik	18.45 31	P	07 44 29.0 -1.5
	comp=Z,1.5nm,0.3s,baz=235,slow=12,SNR=51			
	comp=Z,22nm,0.7s			
INK	Inuvik	18.45 31	P	07 44 30.4 -0.2
INK	Inuvik	18.45 31	P	07 44 29.3 -1.2
	comp=Z,28nm,0.8s			
BBB	Bella Bella	18.96 84	LR	07 50 16.9
	comp=Z,50nm,19.4s,baz=228,slow=32			
WRGLY	Wrigley	20.43 50	P	07 44 52.9 +0.7
BILI	Bilibino, Chuk	20.77 324	P	07 44 54.6 -1.2
BILL	Bilibino	20.82 324	P	07 44 56.3 -0.1
BILL			IAMB	07 44 59.6
	comp=Z,24nm,0.9s			
C36M	Paulatuk	21.95 34	P	07 45 09.5 +1.0
NLWA	Neilton Lookou	23.51 93	P	07 45 26.6 +1.6
NLWA			IAMB	07 45 40.8
	comp=Z,21nm,1.4s			
PET	Petropavlovsk	24.36 284	P	07 45 33.1 +0.2
PET	Petropavlovsk	24.36 284	P	07 45 32.6 -0.3
	comp=Z,62nm,1.3s			
PET	Petropavlovsk	24.36 284	P	07 45 32.0 -0.8
	comp=Z,66nm,1.3s			
YKA	Yellowknife Ar	24.44 53	P	07 45 33.4 -0.2
	comp=Z,1.8nm,0.6s,baz=270,slow=8.4,SNR=4.7			
	comp=Z,1.6nm,0.6s			
YKA	Yellowknife Ar	24.44 53	P	07 45 34.9 +1.4
PETK	Petropavlovsk-	24.47 284	P	07 45 36.2 -1.4
	comp=Z,8.9nm,0.5s,baz=78,slow=14,SNR=40			
PETK			LR	07 55 06.4
	comp=Z,100nm,19.8s,baz=83,slow=36			
PETK	Petropavlovsk-	24.87 284	P	07 45 37.5 -0.1
JRO	Jston Ridge Ob	25.07 94	P	07 45 41.1 +1.7
JRO			IAMB	07 46 02.5
	comp=Z,16nm,1.3s			
MA2	Magadan	26.85 301	LR	07 57 25.9
	comp=Z,1.46nm,18.6s,baz=98,slow=39			
MA2	Magadan	26.85 301	P	07 45 55.1 -0.2
	comp=Z,5.5nm,1.8s			
NEW	Newport	27.00 86	LR	07 54 46.4

NEW	comp=Z,133nm,19.1s,baz=303,slow=32			
NEW	Newport	27.00 86	P	07 45 58.5 +1.6
NEW	Newport	27.00 86	P	07 45 58.5 +1.6
EDM	Edmonton	27.03 73	P	07 45 58.1 +1.1
EDM			IAMB	07 46 19.9
	comp=Z,22nm,1.5s			
E09A	Wood Farm, Sta	27.31 90	P	07 46 01.1 +1.4
YBH	Yreka Blue Ho	27.50 102	LR	07 54 24.7
	comp=Z,29nm,19.8s,baz=320,slow=31			
WVOR	Wild Horse Val	29.40 97	P	07 46 19.4 +1.0
GBMT	Granite Butte,	30.44 85	IAMB	07 46 46.9
	comp=Z,6.8nm,0.9s			
HLID	Halley	31.16 92	P	07 46 35.0 +0.9
	comp=Z,3.5nm,2.7s			
RES	Resolute Bay	31.90 27	LR	08 02 09.8
	comp=Z,131nm,19.5s,baz=28,slow=41			
RES	Resolute Bay	31.90 27	P	07 46 39.3 -0.6
	comp=Z,8.0nm,1.5s			
NVAR	Mina Array Bea	32.22 103	P	07 46 44.8 +1.4
	comp=Z,1.3nm,0.8s,baz=305,slow=8.8,SNR=4.0			
NVAR			LR	07 57 10.4
	comp=Z,159nm,21.4s,baz=272,slow=31			
	comp=Z,1.3nm,0.8s			
NVAR	Mina Array Bea	32.22 103	P	07 46 41.6 -1.8
BLKN	Baker Lake	32.49 47	P	07 46 46.0 +0.8
BLKN			IAMB	07 47 05.1
	comp=Z,9.3nm,1.0s			
YHH	Holmes Hill	32.52 87	P	07 46 47.5 +1.4
YMR	Madison River	32.52 87	P	07 46 47.1 +1.1
PKD	Bear Valley Ra	32.73 108	P	07 46 47.5 -0.1
PKD			IAMB	07 46 48.7
	comp=Z,8.8nm,1.2s			
YNE	Yellowstone No	32.89 86	P	07 46 48.7 -0.5
RLMT	Red Lodge	33.25 85	P	07 46 52.6 +0.2
AHID	Auburn Hatcher	33.58 90	P	07 46 56.8 +1.6
TIXI	Tiksi	33.94 327	LR	08 02 50.5
	comp=Z,151nm,19.1s,baz=124,slow=40			
TIXI	Tiksi	33.94 327	P	07 46 57.2 -0.6
TIXI			IAMB	07 47 01.2
	comp=Z,1.1nm,0.9s			
TIXI	Tiksi	33.94 327	P	07 46 57.0 -0.8
	comp=Z,16nm,1.3s			
ISA	Isabella, Lake	34.08 106	P	07 46 59.9 +0.4
DUG	Dugway, Toole	34.20 95	P	07 47 02.4 +1.8
	comp=Z,5.8nm,1.6s			
WCT	Wildcat Mounta	34.31 103	P	07 47 01.5 0.0
BW0E	Beaver Array	34.49 99	P	07 47 02.5 -0.5
PD31	Pinedale Array	34.48 89	P	07 47 02.2 -0.9
PDAR	Pinedale Array	34.48 89	P	07 47 04.2 +1.1
	comp=Z,0.9nm,0.7s,baz=304,slow=4.2,SNR=11			
PDAR		34.48 89	P	07 47 03.5 -0.4
PRN	Pahroc Rangun	34.78 101	P	07 47 05.8 +0.2
PRN			IAMB	07 47 25.9
	comp=Z,5.7nm,1.0s			
BSUT	Blindstream Ca	35.17 93	P	07 47 09.7 +0.4
BSUT				









SBUM	Sibu	9.50 282	P	Pn	08 28 50.6 +0.6
SBUM	Sibu	9.50 282	Pn	Pn	08 28 50.7 +0.6
SBUM	Sibu	9.50 282	P	Pn	08 28 50.8 +0.7
SBUM	Sibu	comp-Z,2umcomp-Z,1.1nm,1.5s	P	Pn	08 28 51.1 +1.0
DBNI	Kabupaten Domp	9.53 200	P	Pn	08 28 51.6 +1.2
PPR	Puerto Princes	9.60 343	i	Pn	08 28 52.1 +0.7
BNDI	Bandanaira	9.75 121	P	Pn	08 28 54.6 +1.1
BNDI	Bandanaira	9.75 121	P	Pn	08 28 55.4 +1.9
SJJI	Sorong	9.83 98	P	Pn	08 28 55.0 +0.5
SJJI	Sorong	comp-Z,70nm,0.8s,baz=292,slow=6.7,SNR=10	P	Pn	08 28 54.8 +0.2
PLAI	Plampang	10.02 202	P	Pn	08 28 59.0 +1.9
PLAI	Plampang	comp-Z,71nm,0.8s	P	Pn	08 28 59.5 +2.4
TWSI	Taliwang, Sumb	10.30 207	P	Pn	08 29 02.7 +1.7
PBKI	Pangkalan Bun	10.37 252	P	Pn	08 29 04.1 +2.2
SOEI	Soe	10.57 165	Pn	Pn	08 29 04.2 -0.5
SOEI	Soe	comp-Z,2umcomp-Z,1.1nm,1.5s	P	Pn	08 29 09.1 +4.4
KHKI	Kahang-Kahang	10.62 214	P	Pn	08 29 07.9 +2.6
SRBI	Singaraja	10.62 216	P	Pn	08 29 07.2 +1.9
KMMI	Kalianget	10.66 225	P	Pn	08 29 08.2 +2.4
BASI	Baung, Sumba	10.72 185	P	Pn	08 29 08.4 +1.8
BATI	Baumata	10.87 169	P	Pn	08 29 09.4 +0.7
BATI	Baumata	comp-Z,130nm,0.8s,baz=202,slow=1.3,SNR=11	LR		08 34 31.6
BATI	Baumata	comp-Z,19m,19.2s,baz=9.0,slow=44	P	Pn	08 29 13.1 +4.4
PLP	Palo	11.11 18	eP	Pn	08 29 14.8 +2.9
FAKI	Fak Fak	11.25 108	P	Pn	08 29 13.7 0.0
FAKI	Fak Fak	11.25 108	P	Pn	08 29 12.4 -1.4
FAKI	Fak Fak	comp-Z,1umcomp-Z,62nm,1.0s	P	Pn	08 29 12.0 -1.7
FAKI	Fak Fak	11.25 108	P	Pn	08 29 12.2 -1.5
IGBI	Idempasar	11.26 214	P	Pn	08 29 16.1 +2.3
BLJI	Banyuglugur	11.41 224	P	Pn	08 29 16.8 +0.9
JAGI	Jajag, Banyuwa	11.57 219	P	Pn	08 29 17.6 -0.6
JAGI	Jajag, Banyuwa	comp-Z,5umcomp-Z,1.1nm,1.5s	P	Pn	08 29 20.0 +1.9
MWPI	Manokwari, Pap	12.59 97	P	Pn	08 29 32.9 +1.3
NGJI	Ngawi	12.74 232	P	Pn	08 29 35.8 +2.2
SNJI	Sawah-Nganju	12.77 230	P	Pn	08 29 36.7 +2.6
PWJI	Pawerjo	12.89 229	P	Pn	08 29 37.1 +1.6
SAUI	Saumlaki	12.90 131	Pn	Pn	08 29 35.6 0.0
SAUI	Saumlaki	12.90 131	P	Pn	08 29 37.6 +2.0
SAUI	Saumlaki	comp-Z,350nm,1.2s	P	Pn	08 29 37.8 +2.2
SMRI	Semarang	13.38 236	Pn	Pn	08 29 42.3 +0.3
SMRI	Semarang	13.38 236	P	Pn	08 29 44.8 +2.9
PCJI	Pacitan	13.48 230	P	Pn	08 29 45.1 +2.0
CTJI	Cacaban	14.41 229	P	Pn	08 29 56.7 +1.4
BAKI	Biak	14.67 97	P	Pn	08 30 03.2 +1.2
SCJI	Sungung Strandil	14.70 236	P	Pn	08 30 01.9 +2.0
KPJI	Karang Pucung	14.82 238	P	Pn	08 30 04.1 +0.8
CMJI	Cimerak	15.44 237	P	Pn	08 30 10.0 -0.4
LEM	Lembang	15.69 242	P	Pn	08 30 12.3 +0.8
LEM	Lembang	comp-Z,16nm,0.4s,baz=142,slow=20,SNR=3.5	P	Pn	08 30 14.7 +1.3
DES	Darwin Rock St	15.88 144	P	Pn	08 30 14.3 +0.5
BBJI	Bungbulang	15.90 243	P	Pn	08 30 14.9 +0.1
BBJI	Bungbulang	15.96 240	P	Pn	08 30 16.0 +1.2
BBJI	Bungbulang	comp-Z,153nm,1.6s	P	Pn	08 30 24.4
BBJI	Bungbulang	15.96 240	P	Pn	08 30 16.3 0.0
BBJI	Bungbulang	comp-Z,56nm,0.7s	P	Pn	08 30 16.7 +0.4
MTN	Manton Dam	16.34 145	P	Pn	08 30 20.0 +0.5
MTN	Manton Dam	comp-Z,7.0nm,0.8s,comp-Z,0.0nm	P	Pn	08 30 20.2 +0.7
MTN	Manton Dam	16.34 145	P	Pn	08 30 19.6 +0.1
DSRI	Dabo	16.39 267	P	Pn	08 30 27.8 +0.4
KDU	Kakadu	17.04 141	P	Pn	08 30 28.0 +0.1
KDU	Kakadu	comp-Z,198nm,0.8s	P	Pn	08 30 27.9 0.0
DLV	Lat	17.21 312	P	Pn	08 30 30.8 +0.5
DLV	Lat	17.21 312	P	Pn	08 30 31.9 +1.6
CGJI	Cibinong	17.32 246	P	Pn	08 30 32.4 +0.9
KNRA	Kunururra	17.61 156	P	Pn	08 30 35.9 +0.9
KNRA	Kunururra	17.61 156	P	Pn	08 30 35.7 +0.8
KNRA	Kunururra	comp-Z,198nm,0.8s	P	Pn	08 30 35.1 +0.6
KNRA	Kunururra	17.61 156	P	Iamb	08 30 37.7
BTFD	Bukit Timah Da	17.78 273	P	Pn	08 30 36.6 +0.3
MDSI	Maura Dua	18.04 254	P	Pn	08 30 40.5 +0.4
KASI	Kota Agung	18.04 250	P	Pn	08 30 41.1 +0.9
LWLI	Llwa	18.30 252	P	Pn	08 30 45.5 +2.1
LHSL	Lahat	18.51 256	P	Pn	08 30 45.9 +0.2
GENI	Genyem	18.89 100	P	Pn	08 30 51.0 +0.8
GENI	Genyem	comp-Z,2umcomp-Z,12umcomp-Z,146nm,0.8s	P	Pn	08 30 51.8 +1.5
FITZ	Fitzroy Crossi	18.95 168	P	P	08 30 51.9 +1.1
FITZ	Fitzroy Crossi	18.95 168	P	P	08 30 49.6 +0.6
FITZ	Fitzroy Crossi	18.95 168	P	P	08 30 49.5 +0.4
FITZ	Fitzroy Crossi	comp-Z,139nm,0.7s,baz=0.4,slow=9.2,SNR=172	LR		08 38 11.5
FITZ	Fitzroy Crossi	18.95 168	P	P	08 30 49.0 0.0
FITZ	Fitzroy Crossi	18.95 168	P	P	08 30 49.5 +0.6
FITZ	Fitzroy Crossi	18.95 168	P	P	08 30 49.7 +0.6
MNAI	Manna	19.18 255	P	Pn	08 30 53.8 +0.1
MNAI	Manna	19.18 255	P	Pn	08 30 52.8 +1.1
MNAI	Manna	19.18 255	P	Pn	08 30 53.8 +0.1
KSI	Kapahiang	19.38 257	P	Pn	08 30 55.6 -0.5
JAY	Jayapura	19.41 99	P	Pn	08 30 54.4 +0.3
JAY	Jayapura	comp-Z,40nm,0.8s,baz=13.0,slow=0.5,SNR=11	P	Pn	08 30 58.2 +1.6
JAY	Jayapura	19.41 99	P	Pn	08 30 56.7 +0.3
MASI	Maura Aman, Be	19.62 259	P	Pn	08 30 58.2 +1.6
UBSI	University, Be	19.71 257	P	Pn	08 31 01.4 +1.5
KRJI	Kerinci	20.23 263	P	Pn	08 31 05.4 -0.7
BKNI	Bangkinang	20.49 270	P	Pn	08 31 06.4 +0.5
BKNI	Bangkinang	20.49 270	P	Pn	08 31 06.8 +0.9
IPM	Ipo	20.86 281	P	P	08 31 11.7 +1.9
IPM	Ipo	20.86 281	P	P	08 31 10.2 +0.4
IPM	Ipo	20.86 281	P	P	08 31 10.5 +0.7
IPM	Ipo	comp-Z,3umcomp-Z,1.1nm,1.5s	P	P	08 31 10.8 +1.0
PPI	Padang Panjang	21.16 267	P	P	08 31 13.9 +0.9
KULM	Kulim	21.38 283	P	P	08 31 15.9 +0.5
KULM	Kulim	21.38 283	P	P	08 31 14.9 -0.5

KULM	Kulim	comp-Z,120nm,0.9s	Iamb	Iamb	08 31 18.1
KULM	Kulim	21.38 283	P	P	08 31 15.6 +0.2
KULM	Kulim	comp-Z,2umcomp-Z,148nm,1.5s	P	P	08 31 15.9 +0.5
MBWA	Marble Bar	21.62 185	P	P	08 31 18.2 +0.3
MBWA	Marble Bar	comp-Z,79nm,0.8s	P	P	08 31 18.0 +0.1
MBWA	Marble Bar	21.62 185	P	P	08 31 17.5 -0.4
MBWA	Marble Bar	comp-Z,8nm,0.8s	P	P	08 31 18.2 +0.3
MBWA	Marble Bar	21.62 185	Iamb	Iamb	08 31 19.8
MBWA	Marble Bar	comp-Z,50nm,0.7s	P	P	08 31 17.5 -0.4
MNSI	Mandailing Nat	21.95 271	P	P	08 31 23.7 +2.2
TWG	Pinlang	22.16 359	P	Iamb	08 31 23.0 -0.6
TWG	Pinlang	comp-Z,47nm,0.7s	Iamb	Iamb	08 31 26.8
TPUB	Ta-pu	22.65 358	P	P	08 31 30.5 +1.9
TPUB	Ta-pu	22.65 358	P	P	08 31 28.9 +0.2
TPUB	Ta-pu	comp-Z,128nm,0.9s	Iamb	Iamb	08 31 31.9
TPUB	Ta-pu	22.65 358	P	P	08 31 29.3 +0.6
RPSI	Rantau Prapat	22.70 276	P	Iamb	08 31 28.6 -0.6
RPSI	Rantau Prapat	comp-Z,55nm,0.7s	Iamb	Iamb	08 31 30.0 +0.6
RPSI	Rantau Prapat	22.70 276	P	P	08 31 29.4 +0.2
PSI	Prapat	22.71 276	P	P	08 31 30.0 +0.6
PSI	Prapat	22.71 276	P	P	08 31 29.1 -0.3
YULB	Yu-ji	22.73 359	P	P	08 31 31.4 +2.0
YULB	Yu-ji	22.73 359	P	P	08 31 28.1 -1.3
YULB	Yu-ji	comp-Z,2umcomp-Z,120nm,0.7s	Iamb	Iamb	08 31 34.0
YULB	Yu-ji	comp-Z,77nm,0.9s	P	P	08 31 29.2 -0.2
SSLB	Suanglung	23.13 359	P	Iamb	08 31 32.9 -0.4
SSLB	Suanglung	comp-Z,168nm,0.9s	Iamb	Iamb	08 31 41.6
SSLB	Suanglung	comp-Z,79nm,0.8s	P	P	08 31 34.4 +1.1
TSI	Tuntungan	23.14 278	P	P	08 31 34.5 +1.0
PBSI	Pulau Batu	23.26 269	P	P	08 31 34.3 -0.3
NACS	Ninganchiao	23.51 0	P	P	08 31 35.3 -1.4
NACS	Ninganchiao	comp-Z,51nm,0.8s	P	P	08 31 37.9 +1.2
WRB0	Warramunga Arr	23.79 149	P	P	08 31 38.1 -1.2
WRAB	Tennant Creek	23.90 149	P	P	08 31 39.7 -0.6
WRAB	Tennant Creek	23.90 149	Iamb	Iamb	08 31 39.3 -1.0
WRAB	Tennant Creek	comp-Z,146nm,0.9s	P	P	08 31 39.3 -1.0
WRAB	Tennant Creek	comp-Z,196nm,0.9s	P	P	08 31 39.2 -1.1
WRA	Warramunga Arr	23.90 149	ScP	ScP	08 38 47.3 -2.2
WRA	Warramunga Arr	comp-Z,168nm,0.9s,baz=328,slow=10,SNR=227	ScP	ScP	08 38 47.3 -2.2
WRA	Warramunga Arr	comp-Z,0.5nm,0.4s,baz=338,slow=2.6,SNR=5.0	ScP	ScP	08 31 39.4 -0.9
WRA	Warramunga Arr	23.90 149	P	P	08 31 40.0 -0.7
KCSI	Kotacane, Aceh	23.93 277	P	P	08 31 40.7 -0.3
GSI	Gunungsitoli	23.96 272	P	P	08 31 40.5 -0.5
GSI	Gunungsitoli	23.96 272	P	P	08 31 40.6 -0.4
GSI	Gunungsitoli	comp-Z,230nm,0.7s	P	P	08 31 40.5 -0.9
WRO	Warramunga Arr	24.02 149	P	P	08 31 40.5 -0.9
TPTI	Tamparuli	24.49 277	P	P	08 31 45.1 -0.6
LHMI	Lhok Sumawe	24.99 281	P	Iamb	08 31 49.9 -0.4
LHMI	Lhok Sumawe	comp-Z,1umcomp-Z,64nm,0.6s	Iamb	Iamb	08 31 53.2
SNSI	Sinabang, Aceh	25.27 274	P	P	08 31 53.1 +0.3
MLSI	Manus Island	25.38 278	P	P	08 31 53.1 +0.7
MANU	Manus Island	25.96 96	P	P	08 31 58.4 -0.6
WRKA	Warakuma	26.24 166	P	P	08 32 01.3 -0.2
WRKA	Warakuma	comp-Z,35nm,0.9s	P	P	08 32 01.3 -0.2
WRKA	Warakuma	26.24 166	P	P	08 32 05.1 -0.2
BSI	Banda Aceh	26.65 281	P	P	08 32 05.1 -0.2
AS15	Alice Springs	26.86 154	P	P	08 32 06.9 +0.2
AS15	Alice Springs	comp-Z,46nm,0.8s	P	P	08 32 07.2 0.0
AS15	Alice Springs	26.86 154	P	P	08 32 07.1 0.0
AS15	Alice Springs	comp-Z,12nm,0.7s	P	P	08 32 07.8 +0.5
AS15	Alice Springs	26.86 154	P	P	08 32 06.9 -0.4
AS15	Alice Springs	26.86 154	P	P	08 32 06.8 -0.5
ASAR	Alice Springs	comp-Z,24nm,0.7s,baz=338,slow=9.0,SNR=204	ScP	ScP	08 32 06.0 -2.0
ASAR	Alice Springs	comp-Z,1.6nm,0.7s,baz=323,slow=2.1,SNR=5.5	LR	LR	08 44 08.7
ASAR	Alice Springs	comp-Z,245nm,19.1s,baz=348,slow=39	LR	LR	08 32 07.6 +0.1
SLVN	Son La	26.90 321	P	Iamb	08 32 33.6
SLVN	Son La	comp-Z,92nm,1.8s	Iamb	Iamb	08 32 09.4 +1.9
AS01	Alice Springs	26.91 154	P	P	08 32 07.4 -0.1
AS17	Alice Springs	26.92 154	P	P	08 32 07.7 0.0
AS09	Alice Springs	26.93 154	P	P	08 32 07.7 -0.1
JOW	Kunigami	26.95 13	LR	LR	08 42 02.3
MEEK	Meekatharra	comp-Z,224nm,21.0s,baz=190,slow=34	P	P	08 32 09.1 -0.5
MEEK	Meekatharra	comp-Z,215nm,0.7s	P	P	08 32 09.1 -0.5
MEEK	Meekatharra	27.15 186	P	P	08 32 09.3 -0.4
MEEK	Meekatharra	27.15 186	P	P	08 32 08.9 -0.8
PMG	Port Moresby	27.36 112	LR	LR	08 44 51.9
PMG	Port Moresby	comp-Z,150nm,21.1s,baz=314,slow=40	P	P	08 32 10.8 -0.8
PMG	Port Moresby	27.36 112	P	P	08 32 11.1 -0.5
QIS	Mount Isa	27.42 141	P	P	08 32 12.0 -0.2
QIS	Mount Isa	comp-Z,245nm,19.1s,baz=348,slow=39	P	P	08 32 12.0 -0.2
QIS	Mount Isa	27.42 141	P	P	08 32 11.8 -0.4
QIS	Mount Isa	comp-Z,91nm,0.8s	P	P	08 32 11.9 -0.2
CM31	Chiang Mai Arr	28.45 310	P	Iamb	08 32 20.7 -0.6
CM31	Chiang Mai Arr	comp-Z,173nm,2.0s	Iamb	Iamb	08 32 25.5
CMAR	Chiang Mai Arr	28.45 310	P	P	08 32 21.9 +0.6
CMAR	Chiang Mai Arr	comp-Z,12nm,0.7s,baz=134,slow=7.0,SNR=49			



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TOLK Toolik Lake, D24K Happy Valley, F24K Squaw Lake, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KRSC 26 08:38:51.8, 1.0, 60.71N, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TILK Tillichiki, KMSK Kamenskaya, MA2 Magadan, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PLID Pearl Lake, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TXAR Lajitas Array, KRSC 26 08:43:30.9, etc.

Table with columns: Station Name, Time, Magnitude, Depth, Type, Location, and other parameters. Includes stations like SKT, H23K, TRF, etc.

Table with columns: Station Name, Time, Magnitude, Depth, Type, Location, and other parameters. Includes stations like SONM, Songino Array, YKAW3, etc.

Table with columns: Station Name, Time, Magnitude, Depth, Type, Location, and other parameters. Includes stations like PDAR, Pinedale Array, YES, etc.

ICD 26 09:05:03.1... 53.66N-88.05E, h0km, mbtmp2.8/2, ML2.4/2, Error ellipse: s-maj=37.4km s-min=23.2km az=58.0
ASRS 26 09:05:04.0... 6.5358N-87.94E, h0km, M2.3(MOS), The earthquakes of Russia in 2020. Obninsk, GS RA5, 2022., Southwestern Siberia



0.1nm,0.4s  
**BVAR** **Borovoye Array** 10.52 274 Sn Sn 09 31 31.6 -2.7  
 0.1nm,0.3s,baz=84,slow=26,SNR=3.7

*IDC 26 09:25:04.8.0.6.55'01N:160'55W,h0km,mb4.8/34,  
 mbmp4.8/38,ML.9/84,SM3.7/76,Error ellipse:  
 s-maj=16.6km,s-min=9.3km,az=166.0  
 BUJ 26 09:25:07.2.4.54'93N:160'63W,h35km,mb5.1/8,mb5.0/50,  
 Ms4.6/4,Mst7.4.3.9  
 GFZ 26 09:25:08.7.0.2.55'N:146'16'W,h24km,Ms.6/100,  
 mb5.2/100,confirmed  
 AEIC 26 09:25:10.8.5.1.54'78N:0.05:160'30W,0.08,h9km,3km,  
 Error ellipse: s-maj=7.9km,s-min=6.6km,az=162.0  
 NEIC 26 09:25:11.8.2.0.54'98N:0.06:160'43W,0.07,h49km,5km,  
 mb4.9/89,ML.4/84,Mw4.6/24,ML.4.6(AEIC),Error ellipse:  
 s-maj=9.3km,s-min=5.7km,az=192.0  
 ISC 26 09:25:10.4.0.5.54'93N:0.05:160'29W,0.03,h42km,4km,  
 h42km:pp-P,n813,-1527/555,mb5.0/195,MS3.8/74,  
 24C-13D,Alaska Peninsula*

Code	Station Name	Lat	Lon	Phase	Time	Res
CHNA	Chernabura Isl	0.42 104	P	ISC	09 25 19.3	+0.8
CHNA	Chernabura Isl	0.42 104	S	ISC	09 25 25.8	-1.2
CNBA	Chernabura Isl	0.42 105	Pn	ISC	09 25 26.1	-0.9
CNBA	Chernabura Isl	0.42 105	Ph	ISC	09 25 19.5	-0.7
CNBA	Chernabura Isl	0.42 105	IAML	ISC	09 25 32.5	
CNBA	comp=N,14um,0.5s			IAML	09 25 32.9	
SDPT	Sand Point	0.43 346	P	Pn	09 25 20.1	-0.3
SDPT	Sand Point	0.43 346	S	Pn	09 25 27.7	+0.4
SDPT	Sand Point	0.43 346	Pn	Pn	09 25 20.8	+0.4
SDPT	Sand Point	0.43 346	IAML	Pn	09 25 28.4	+1.1
SDPT	comp=N,128um,0.8s			IAML	09 25 28.8	
SDPT	comp=E,67um,1.0s			IAML	09 25 28.8	
PNTA	Pavlov North-7	1.10 298	Pn	Pn	09 25 30.5	+1.0
PN7A				Pn	09 25 30.1	+2.9
VNKA	Veniaminof 5	1.22 25	Pn	Pn	09 25 32.5	+1.5
S12K	Black Hills	1.27 308	Pn	Pn	09 25 32.5	+0.7
S12K	Black Hills	1.27 308	Pn	Pn	09 25 49.4	+1.7
VNWF	Veniaminof 8	1.29 18	Pn	Pn	09 25 33.8	+1.7
VNWS	Veniaminof 8	1.38 20	Pn	Pn	09 25 35.2	+1.8
VNFG	Fog Glacier, M	1.42 17	Pn	Pn	09 25 35.2	+1.1
VNFG	Fog Glacier, M	1.42 17	Ph	Pn	09 25 35.8	+2.1
VNFG	Fog Glacier, M	1.42 17	IAML	Pn	09 25 57.9	
VNFG	comp=N,30um,0.7s			IAML	09 26 01.1	
CHGN	Chignik	1.74 37	Pn	Pn	09 25 39.8	+1.7
CHGN	comp=N,11um,0.8s			IAML	09 26 05.7	
CHGN	comp=N,9um,0.6s			IAML	09 26 06.6	
CHGN	Chignik	1.74 37	Pn	Pn	09 26 02.1	+3.2
BPBCA	Veniaminof	1.96 31	Pn	Pn	09 25 43.0	+1.8
ISNN	Isanotski Nort	2.02 269	Pn	Pn	09 25 43.0	+1.8
ISNN	Isanotski Nort	2.02 269	Pn	Pn	09 25 09.0	+3.5
SSLN	Shishaldin Nor	2.15 268	Pn	Pn	09 25 45.2	+1.4
ANPB	Aniakchak Plen	2.19 308	Pn	Pn	09 26 11.9	+2.8
SSBA	Shishaldin	2.22 267	Pn	Pn	09 25 46.3	+2.0
SSBA	Shishaldin	2.22 267	Pn	Pn	09 25 46.1	+3.4
ANPK	Aniakchak Peak	2.27 32	Pn	Pn	09 26 14.4	+3.3
AZAC	Aniakchak	2.28 30	Pn	Pn	09 25 47.8	+2.1
ANNW	Aniakchak Nort	2.35 29	Pn	Pn	09 25 48.9	+2.3
ANNW	Aniakchak Nort	2.35 29	Pn	Pn	09 26 18.1	+4.0
WTUG	Tugumak	2.37 270	Pn	Pn	09 25 47.7	+1.0
WTSG	West Dahl Nort	2.52 263	Pn	Pn	09 26 17.5	+2.5
WTSG	West Dahl Nort	2.52 263	Pn	Pn	09 26 10.1	+1.6
WESN	Westdahl Peak	2.61 262	Pn	Pn	09 26 21.1	+2.9
WESP	Westdahl Peak	2.61 262	Pn	Pn	09 25 51.5	+1.4
WESP	Westdahl Peak	2.61 262	Pn	Pn	09 26 23.3	+2.7
WEBT	Westdahl Beart	2.61 264	Pn	Pn	09 26 24.2	+3.7
WEBS	Westdahl Cape	2.63 263	Pn	Pn	09 25 51.9	+3.5
WECS	Westdahl Cape	2.63 263	IAML	Pn	09 26 43.6	
WECS	comp=E,4um,1.0s			IAML	09 26 23.6	+2.4
CHIR	Chirikof Islan	2.81 70	P	Pn	09 25 53.9	+1.1
CHIR	Chirikof Islan	2.81 70	Pn	Pn	09 25 54.1	+1.3
CHIR	Chirikof Islan	2.81 70	IAML	Pn	09 26 43.1	
CHIR	comp=N,2um,1.4s			IAML	09 26 53.2	
R16K	Pilot Point	3.04 29	Pn	Pn	09 26 34.7	+3.5
R16K	Pilot Point	3.04 29	Ph	Pn	09 25 57.7	+1.7
R16K	Pilot Point	3.04 29	IAML	Pn	09 26 38.2	
R16K	comp=N,3um,0.5s			IAML	09 27 21.6	
AKUT	Akutan	3.29 258	P	Pn	09 26 00.5	+1.1
AKUT	Akutan	3.29 258	S	Pn	09 26 39.1	+1.8
AKUT	Akutan	3.29 258	IAML	Pn	09 26 00.6	+1.2
AKUT	comp=N,2um,1.5s			IAML	09 26 59.2	
PLBL	Peulik Blue Cr	3.38 33	Pn	Pn	09 26 03.2	+2.5
AKGG	Akutan Green G	3.40 260	Pn	Pn	09 26 02.3	+1.4
LVA	Lava Point	3.43 259	Pn	Pn	09 26 04.3	+2.9
LVA	Lava Point	3.43 259	IAML	Pn	09 26 59.9	
LVA	comp=E,1um,0.7s			IAML	09 27 05.4	
R17L	Mt. Peulik Vol	3.48 37	Pn	Pn	09 26 04.4	+2.6
PLK1	Peulik 1	3.53 34	Pn	Pn	09 26 04.9	+2.2
UNV	Unalaska Valle	3.79 256	P	Pn	09 26 13.5	+0.5
UNV	Unalaska Valle	3.79 256	S	Pn	09 26 51.3	+1.7
UNV	Unalaska Valle	3.79 256	Pn	Pn	09 26 06.6	+0.3
SII	Sitkinan Islan	3.82 62	P	Pn	09 26 08.1	+1.4
SII	Sitkinan Islan	3.82 62	P	Pn	09 26 55.2	+5.0
SII	Sitkinan Islan	3.82 62	Ph	Pn	09 26 08.0	+1.4
SII	Sitkinan Islan	3.82 62	IAML	Pn	09 27 22.5	
MGOD	Makushin Gods	4.02 256	Pn	Pn	09 26 10.3	+0.9
G17K	Contact Creek	4.13 34	Pn	Pn	09 26 13.0	+1.9
ANCK	Angle Creek	4.21 37	Pn	Pn	09 26 14.1	+2.0
O15K	Unalalikian R	4.26 3	Pn	Pn	09 26 13.1	+0.8
ACHA	Angle Creek He	4.28 38	Pn	Pn	09 26 15.0	+1.9
P16K	Nushagak River	4.30 16	Pn	Pn	09 26 13.3	+0.1
P16K	Nushagak River	4.30 16	IAML	Pn	09 27 39.9	
P16K	comp=E,1um,0.8s			IAML	09 27 42.2	
KABU	Katmai Buttes	4.34 38	Pn	Pn	09 26 15.7	+1.8
O14K	Tiguyakuivet M	4.37 353	Pn	Pn	09 26 15.3	+1.2
O14K	Tiguyakuivet M	4.37 353	IAML	Pn	09 27 39.0	
O14K	comp=N,719nm,0.7s			IAML	09 27 42.4	
OHAK	Katmai Knife C	4.44 38	Pn	Pn	09 26 17.1	+1.9
OHAK	Old Harbor	4.54 57	Pn	Pn	09 26 17.1	+0.5
OHAK	Old Harbor	4.54 57	IAML	Pn	09 27 39.8	
KAWH	Katmai	4.60 39	Pn	Pn	09 26 18.9	+1.5
KARR	Katmai Rainbow	4.72 38	Pn	Pn	09 26 20.8	+1.8
Q19K	Katmai Hardscr	4.72 36	Pn	Pn	09 26 21.1	+1.9
P17K	Kvichak River	4.75 25	Pn	Pn	09 26 21.2	+1.7
O16K	Kokwok River B	4.82 13	Pn	Pn	09 26 21.6	+1.2
O16K	Kokwok River B	4.82 13	IAML	Pn	09 27 54.1	
O16K	comp=E,525nm,0.9s			IAML	09 26 22.1	+1.0
OKCE	Okmok Cone E	4.87 255	Pn	Pn	09 26 24.9	+1.2
N14K	Kuskokwim Cree	5.06 352	Pn	Pn	09 26 24.9	+1.2
KDAK	Kodiak Islan	5.15 53	Ph	Pn	09 26 25.2	+0.3
KDAK	Kodiak Islan	5.15 53	Pn	Pn	09 27 21.1	-1.8
KDAK	comp=E,15nm,0.3s,baz=262,slow=8.5,SNR=1.7			LR	09 28 30.9	
KDAK	comp=E,730nm,18.8s,baz=228,slow=40			LR	09 28 30.9	
KDAK	comp=E,39nm,0.5s			LR	09 28 30.9	
KDAK	Kodiak Island	5.15 53	AML	AML	09 26 26.4	+1.5
KDAK	Kodiak Island	5.15 53	IAML	Pn	09 27 54.9	
KDAK	comp=E,751nm,0.8s			IAML	09 27 56.4	
KDAK	comp=E,839nm,0.6s			IAML	09 27 56.4	
KDAK	Kodiak Island	5.15 53	P	Pn	09 26 26.3	+1.5
P18K	Big Mountain,	5.25 30	Pn	Pn	09 26 28.1	+1.8
N15K	Kwethluk River	5.25 1	Pn	Pn	09 26 27.6	+1.2
N15K	Kwethluk River	5.25 1	IAML	Pn	09 28 06.3	

Code	Station Name	Lat	Lon	Phase	Time	Res
N15K	comp=E,743nm,1.0s			IAML	09 28 12.0	
Q19K	Cape Douglas,	5.41 40	Pn	Pn	09 26 31.2	+2.7
N18K	Nishik Lake	5.62 8	Pn	Pn	09 26 33.0	+1.7
M13K	Dall Lake	5.74 345	Pn	Pn	09 26 34.7	+1.8
M15K	Kasigluk River	5.78 358	Pn	Pn	09 26 34.1	+0.5
N17K	Nushagak Hills	5.85 15	Pn	Pn	09 26 35.9	+1.4
CLCO	Concord Point,	5.98 253	Pn	Pn	09 26 37.5	+1.2
G1AO	Saint Paul Isl	6.02 296	P	Pn	09 26 38.0	+1.2
SPIA	Saint Paul Isl	6.02 296	S	Pn	09 27 47.5	+3.2
SPIA	Saint Paul Isl	6.02 296	P	Pn	09 26 37.9	+1.1
M16K	Timber Creek	6.15 6	Pn	Pn	09 26 40.1	+1.5
O19K	Port Alsworth	6.17 29	Pn	Pn	09 26 41.4	+2.5
N18K	Kilae Creek	6.22 20	Pn	Pn	09 26 41.4	+1.7
ILSW	Ilamna Surtw	6.36 34	Pn	Pn	09 26 44.3	+2.5
GHO	Ilamna Volc So	6.37 35	Pn	Pn	09 26 44.2	+2.7
IVE	Ilamna Volcan	6.43 35	Pn	Pn	09 26 44.5	+2.0
L14K	Kulka Creek	6.55 350	Pn	Pn	09 26 44.4	+0.4
N19K	Bonanza Creek	6.66 25	Pn	Pn	09 26 48.2	+2.5
M17K	Hollita River	6.66 12	Pn	Pn	09 26 47.3	+1.7
CNPM	China Post	6.73 49	Pn	Pn	09 26 49.0	+2.4
L15K	Unagak Mounta	6.79 355	Pn	Pn	09 26 47.5	+0.1
RED	Redoubt Volcan	6.82 33	Pn	Pn	09 26 51.4	+3.6
M18K	Stony River	6.99 18	Pn	Pn	09 26 51.8	+1.7
BRSE	Bradley Lake S	7.06 43	Pn	Pn	09 26 51.4	+0.2
L17K	Domlin	7.07 37	Pn	Pn	09 26 55.1	+0.8
K15K	Kusigak Mount	7.28 344	Pn	Pn	09 26 57.1	+1.1
K15K	Wolf Creek Mou	7.41 355	Pn	Pn	09 26 57.3	+1.4
L18K	Granite Mounta	7.55 13	Pn	Pn	09 26 59.0	+1.3
CKLT	Chachakamna La	7.56 31	Pn	Pn	09 27 00.4	+2.3
SPBG	Spurr Blockage	7.60 30	Pn	Pn	09 27 01.2	+2.6
M19K	Big River Lodg	7.64 31	Pn	Pn	09 27 01.6	+2.5
SPCG	Spurr Capps Gf	7.73 21	Pn	Pn	09 27 03.6	+3.3
SLKM	Skilak Lake	7.76 40	Pn	Pn	09 27 02.7	+2.0
SEW	Seward	7.80 44	Ph	Pn	09 27 02.8	+1.7
L19K	White Mountain	7.80 19	Pn	Pn	09 27 02.6	+1.3
K17K	Gilroy Hill	7.83 36	Pn	Pn	09 27 03.2	+1.4
M20K	Styx River	7.91 25	Pn	Pn	09 27 05.2	+2.3
J14K	Narvaranek Lak	8.02 349	Pn	Pn	09 27 05.1	+0.9
SUA	Sunitava One	8.26 34	Pn	Pn	09 27 08.5	+0.9
L20K	Farewell, AK	8.27 21	Pn	Pn	09 27 09.6	+2.0
RC01	Rabbit Creek A	8.33 28	Ph	Pn	09 27 11.3	+2.9
J16K	Kovik River	8.38 359	Pn	Pn	09 27 10.0	+0.9
SKT	Skwentna	8.42 29	Pn	Pn	09 27 12.1	+2.3
J17K	VABM Dome	8.51 4	Pn	Pn	09 27 11.3	+0.3
KOFP	Korovin Flat P	8.63 258	Pn	Pn	09 27 13.5	+0.8
PWL	Port Wells	8.70 42	Pn	Pn	09 27 14.3	+0.8
ATKA	Atka Island	8.72 257	P	Pn	09 27 14.2	+0.4
ATKA	Atka Island	8.72 257	P	Pn	09 27 14.3	+0.4
J18K	Innokk River	8.75 11	Pn	Pn	09 27 15.3	+1.0
PMR	Palmer	8.89 37	P	Pn	09 27 17.0	+0.9
PMR	Palmer	8.89 37	P	Pn	09 27 18.0	+0.6
I17K	Unalakleet	8.89 359	Pn	Pn	09 27 18.0	+0.6
CUT	Sairy Hole Cre	9.12 31	Pn	Pn	09 27 20.8	+1.5
SML	Sawmill	9.31 37	Pn	Pn	09 27 23.3	+1.3
J19K	Postman	9.39 13	Pn	Pn	09 27 24.0	+1.0
EYAK	Cordova Ski Ar	9.59 48	P	Pn	09 27 26.9	+1.3
SGM	Sheep Creek Mo	9.59 48	P	Pn	09 27 28.0	+0.9
J20K	Klovitva River	9.78 16	Pn	Pn	09 27 31.1	+0.9
H16K	Elim	9.79 3				

Table with columns for station call letters, frequency, and other identifiers. Includes stations like TXAR, SFJD, Kangerlussuaq, etc.

Table with columns for station call letters, frequency, and other identifiers. Includes stations like ZSN, KIRV, NAOO, etc.

Table with columns for station call letters, frequency, and other identifiers. Includes stations like NEUB, RNPPS, Staryi Chorhtor, etc.

Table of station data for 1493, including columns for station name, frequency, power, and other technical details.

Table of station data for 2020 OCT, including columns for station name, frequency, power, and other technical details.

Table of station data for 26d 10h, including columns for station name, frequency, power, and other technical details.

SDD 26 09:38:59.1±1.5, 19.39N, 70.66W, h50km, 18km, MD2.8, ML2.6, MW3.1, Presumed earthquake

OSPL 26 09:39:05.3±1.6, 19.47N, 70.20W, h0km, 23km, ML2.0, Presumed earthquake

ISC 26 09:39:07.0±9, 19.37N, 0.04W, h10km, n11, z=200/13,9C, Dominican Republic region

NEIC 26 09:43:49.1±1.7, 16.9S, 0.17W, 0.1, h141km, 8km, mb4.2/13, Error ellipse: s-maj=16.9km s-min=14.3km az=216.0

IDC 26 09:43:52.5±2.1, 16.39S, 174.01W, h199km, 30km, mb3.7/4, mbtmp4.1/6, Error ellipse: s-maj=54.0km s-min=22.3km az=162.0

ISC 26 09:43:49.1±0.8, 16.91S, 0.09W, 174.00W±0.09, h150km, n21, <190/18, mb4.2/9, Tonga Islands

RSNC 26 10:58:11.6±0.0, 1°N, 3°7'8W, h8km, 3km, M3.2, mb4.3, mb4.1, ML2.8, MW(Mb)3.4

CATAC 26 10:58:14.5±0.7, 1°N, 3°7'8W, h4km, 3km, M3.9/7, mb4.1/2, MLV3.7/7, Error ellipse: s-maj=17.0km s-min=5.1km az=109.2, confirmed

ISC 26 10:58:11.2±0.8, 0.75N, 0.02W, 77.87W±0.03, h14km, 5km, n27, <190/45, Colombia-Ecuador border region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like IMBA, CUSE, OTAV, CASC, PACTO, etc.

TRN 26 11:00:59:09.9, 17:15N-99:53W, h48km, MD3.7, Far East of

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like ANWB, DWS, MBWH, etc.

IDC 26 11:00:35.6, 1.2, 54.70N-162.38E, h0km, mb3.8/4, mblmp3.7/5, ML2.5/1, MS2.9/1, Error ellipse: s-maj=41.9km

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like MKZ, TUMD, KZV, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like PETK, RUS, MTRV, etc.

GFZ 26 11:00:57.9, 0.3, 13.1N-144.4E, h130km, 3km, M4.7/13, mb4.7/13, Error ellipse: s-maj=10.0km s-min=9.7km

Main table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like GUMO, PATS, JMW, etc.

Main table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like STKA, BBDO, SONM, etc.







Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res. Includes stations like Karatay Array, Borovoye Array, Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res. Includes stations like SJA, GUC, NEIC, IDC, ISC, CO2, CO02, CO04, etc.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res. Includes stations like ACDF, VA03, ZON, ZON, ZON, etc.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res. Includes stations like TCRU, GTU, WLD, WLD, WLD, etc.

IDC 26 13:19:38.5, 1.4, 38:15N: 112:13W, h0km, mbtm3.0/1, ML3.4/1, Error ellipse: s-maj=15.8km s-min=10.0km az=34.0

NEIC 26 13:19:37.9, 0.8, 38:15N: 01:11:32W:0.01, h3km, 6km, ML2.8/134, ML2.4/9(UUSS), Error ellipse: s-maj=2.1km s-min=0.6km az=149.0

UUSS 26 13:19:38.1, 1.0, 38:15N: 01:12:32W:0.02, h9km, 8km, baz=203, slow=32

26d 13h

Table with columns: SDCO, Great Sand Dun, 5.38 92 Pn, Pn, 13 21 00.8 +1.6, 13 24 18.0, comp=N, 1.1nm, 0.5s, ANMO, Albuquerque, 5.68 122 Pp, Pp, 13 21 15.3 -2.5, ANMO, comp=N, 0.4nm, 0.3s, baz=309, slow=16, SNR=4, AMO, comp=N, 0.3nm, 0.3s, baz=179, slow=18, SNR=2.1, ELS, Elsinore Mount, 6.12 224 Pn, Pn, 13 21 10.9 +1.7, TXAR, Lajitas Array, 11.34 138 Pn, Pn, 13 22 18.0 -2.7, TXAR, comp=N, 1.1nm, 0.3s, baz=342, slow=16, SNR=2.1, TXAR, comp=N, 0.3nm, 0.7s, AML, AML

CATAC 26 13:23:28.6:0.5, 11 N1.2x8 7W.5, h16km, 4km, M3.7/31, MLv3.7/31, Error ellipse: s-maj=4.8km s-min=3.0km

UCR 26 13:23:28.5:0.5, 11 06N:86.80W, h7km, 9km, MW4.3, Presumed earthquake

ISC 26 13:23:28.3:1.8, 11 06N:0.05:86.90W:0.05, h11km, 11km, n53.0:4778, 11C-3D, Near coast of Nicaragua

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, NADN Granada, 1.10 51 Op, P, ISC, h m s ISC, 13 23 49.4 +0.2, NADN Granada, 1.10 51 P, P, 13 23 49.4 +0.2, NADN Granada, 1.10 51 P, P, 13 23 49.1 -0.2, COPN Copaltepe, 1.16 15 P, P, 13 23 50.2 -0.2, COPN Copaltepe, 1.16 15 P, P, 13 23 50.2 -0.2, NANN Nandasmio, 1.16 41 P, P, 13 23 51.1 +0.3, NANN Masaya, 1.18 39 P, S, 13 24 06.2 +0.3, MASN Masaya, 1.18 39 P, S, 13 24 06.5 +0.0, MAS3 AI N del Volca, 1.20 37 P, S, 13 23 50.4 -0.6, MAS3 Ciudad Sandino, 1.21 24 P, P, 13 23 50.8 -0.3, LAPS Laguna Tiscapa, 1.24 30 P, P, 13 23 50.4 -1.2, SACR La Cruz, 1.25 89 P, P, 13 23 51.2 -0.6, MGAN Managua, 1.26 31 P, S, 13 23 51.5 -0.3, MGAN Apoyeque, 1.27 27 P, S, 13 23 52.3 +0.1, APQ2 Apoyeque, 1.27 27 P, S, 13 23 52.3 +0.1, APQ2 Apoyeque, 1.27 27 P, S, 13 24 08.2 -0.3, APQ2 Apoyeque, 1.27 27 P, S, 13 24 09.2 +0.2, APQ2 Apoyeque, 1.27 27 P, S, 13 23 51.3 -0.6, APYN Apoyeque, 1.29 25 P, P, 13 23 52.3 +0.1, APYN AI SSO del Vol, 1.29 69 P, P, 13 23 52.5 +0.3, JAPN AI SSO del Vol, 1.29 69 P, P, 13 23 51.9 -0.3, WILN Americas 2, 1.30 33 P, S, 13 23 51.9 -0.1, WILN AI SSO del Volca, 1.32 66 P, P, 13 23 52.4 -0.3, OMEN AI SSO del Vol, 1.33 70 P, P, 13 23 52.2 -0.6, OMEN Rivas, 1.36 84 P, S, 13 24 10.7 -0.5, CARN Rivas, 1.36 84 P, S, 13 23 53.0 -0.3, CARN Ruinas Leon Vi, 1.36 12 P, P, 13 23 52.9 -0.3, LEVN Momotombo, 1.39 15 P, S, 13 23 54.3 +0.4, MOMN EI Cardon, 1.43 17 P, S, 13 24 11.6 +0.2, MOM2 EI Cardon, 1.44 14 P, S, 13 23 53.1 -0.6, PACN AI O del Volca, 1.44 14 P, S, 13 23 54.2 -0.1, PACN AI SSO del Vol, 1.44 8 P, S, 13 24 15.0 +0.5, LAPS Finca la Perla, 1.47 101 P, P, 13 23 54.3 +0.3, MOM3 MOM3, 1.49 15 P, P, 13 23 54.3 +0.3, MOM3 Geotermica Pol, 1.52 5 P, S, 13 24 15.0 +0.5, PLRN San Idelfonso, 1.52 7 P, P, 13 23 54.7 -0.7, ILCN QUEN AI S del Volca, 1.52 2 P, P, 13 23 55.7 +0.1, QUEN BUAI Buenos Aires, 1.55 96 P, P, 13 23 56.0 +0.1, PKGN Cerro Pekin, 1.60 357 P, P, 13 23 56.7 +0.1, PKGN Mesas, 1.71 100 P, P, 13 24 17.9 +0.7, MESS Aguas Claras, 1.72 99 P, P, 13 23 58.5 +0.3, HORNC Hornillas, 1.73 101 P, P, 13 23 58.3 -0.1, VMAR Armenia, Volca, 1.77 98 P, P, 13 23 59.2 +0.2, VMAR Punta indio, G, 1.82 131 P, P, 13 24 21.7 +0.1, INDI Canalete, 1.83 97 P, P, 13 23 59.6 +0.1, CANAL Tierras Morena, 1.91 104 P, P, 13 24 01.5 +0.6, TIMP ACON Acopya, 1.92 62 P, S, 13 24 00.9 0.0, ACON ACON, 1.94 123 P, S, 13 24 26.5 -0.9, NYURE Nandayure, 2.01 123 P, P, 13 24 01.0 -0.1, LACN Cosiguina Volc, 1.94 31 P, S, 13 24 24.2 +0.1, CSGN POTN Potosi Cosigu, 2.02 343 P, S, 13 24 02.5 +0.2, POTN QUEB Quebradon, Cot, 2.02 102 P, P, 13 24 02.5 +0.2, CHIK Chiripa, 2.05 107 P, P, 13 24 03.3 +0.4, LIMN Finca el Limon, 2.06 15 P, S, 13 24 02.5 +0.5, LIMN JTS Las Juntas de, 2.06 111 P, P, 13 24 03.6 +0.7, MATN Matagalpa, 2.09 27 P, P, 13 24 02.8 -0.6, MATN CCOCN Estacion meteo, 2.59 9 P, P, 13 24 30.8 +0.8, RCVN Varilla2, 2.60 15 P, P, 13 24 10.7 +0.2, PACA Pacayal, 2.77 330 P, S, 13 24 45.9 -0.4, NUBE Las Nubes, 3.98 315 S, 13 25 14.7 -1.6

NEIC 26 13:38:36.6, 38.56N:122.31W, h9km, NCEDC 26 13:38:36.6:2.7, 38.56N:0.02:122.31W:0.03, hgkm, 7km, Error ellipse: s-maj=2.9km s-min=2.4km az=110, Sensor

NEIC 26 13:38:36.6, 38.56N:122.31W, h9km, Moment tensor Solution, Moment tensor, Scale 10^14Nm, Mw: 3.1, Mw: 1.88, Mw: 1.73, Mw: 0.28, Mw: 0.40, Mw: 0.31, Fault plane solution: Mo: 1.90000e+10^14 NP1: 0.5: 1.76000e+10^14, 86.77000e: 12.94000e: NP2: 0.321: 0.2000e: 87.708000e: 1.76.69000e. Principal axes: T: 1.8386, P: 6.10000e, Azm277.0000e: N: 0.1150, P: 177.0000e, Azm66.0000e: P: -1.9537, P: 177.0000e, Azm186.0000e:

NEIC 26 13:38:35.6:2.1, 38.59N:122.20W:0.02, h10km, 2km, ML3.2/88, Mw3.5/3(NCEDC) Error ellipse: s-maj=3.1km s-min=2.7km az=258.0, Northern California

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, NIMB Iron Mountain, 0.06 242 P, P, 13 38 37.8 +0.1, NAPC Atlas Peak, 0.15 195 P, P, 13 38 39.4 +0.4, NAPC NADN, 0.22 125 P, P, 13 38 42.4 +1.0, NADN NADN, 0.23 226 P, P, 13 38 43.2 +3.0, OAKV Oakville Exper, 0.23 226 P, P, 13 38 40.3 +0.1, OAKV RUSS Russell Ranch, 0.27 99 P, P, 13 38 44.3 +0.0, RUSS RUSS Russell Ranch, 0.27 99 IAML, 13 38 48.2, RUSS RUSS Russell Ranch, 0.27 99 IAML, 13 38 48.2, NDHM Dunning Hill, 0.29 52 P, P, 13 38 45.1 -0.8, NDHM Middletown, 0.29 319 P, P, 13 38 42.5 -0.4, CVS Carmen Valley, 0.31 220 P, P, 13 38 44.2 -0.1, NTYM Taylor, 0.41 241 P, P, 13 38 43.7 0.0, NTYM GBGM Joppos Mountain, 0.44 301 P, P, 13 38 48.9 -0.2, JEPS Jepson Natural, 0.44 138 P, P, 13 38 44.3 +0.2, GAXM Alexander Vall, 0.45 286 P, P, 13 38 44.5 +0.1, SNT SNT, 0.45 206 P, P, 13 38 50.3 +0.1, NLHM Lake Herman, 0.47 175 P, P, 13 38 45.6 -0.3, GRTM Round Top Moun, 0.51 314 P, P, 13 38 46.2 -0.4, GDXM Geysers, 0.51 296 P, P, 13 38 45.7 +0.1, GDXM GDXM, comp=N, 1.1nm, 0.6s, IAML, 13 38 55.5, GDXM GDXM, comp=N, 2.1nm, 0.2s, IAML, 13 38 55.5, GDXM Geyser Peak, 0.53 290 P, P, 13 38 46.1 +0.1, HMR Hamilton Ranch, 0.54 144 P, P, 13 38 48.7 -0.5, CTAM Taylor, 0.58 165 P, P, 13 38 49.0 -0.9, LOC Lincoln School, 0.59 223 P, P, 13 38 46.3 -0.2, PINL Point Pinole R, 0.59 193 P, P, 13 38 46.3 -0.8, CPIM Pinole Ridge, 0.60 181 P, P, 13 38 48.3 +0.2, SVIN Saint Vincent, 0.61 205 P, P, 13 38 47.0 -0.3, C018 Christie Drive, 0.61 174 P, P, 13 38 48.6 +0.3

2020 OCT

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, C067 Fleetwood El S, 0.61 186 P, P, 13 38 48.6 +0.2, CSPM San Pablo Ridg, 0.64 188 P, P, 13 38 48.7 +0.3, GPMM Pine Mountain, 0.64 294 P, P, 13 38 48.3 +0.3, TWIT Twitichell Isla, 0.64 140 P, P, 13 38 48.8 -0.8, C024 33rd St Richmo, 0.65 189 P, P, 13 38 49.0 0.0, CRHM Point Molate, 0.65 194 P, P, 13 38 49.6 +0.3, C010 Sunflower Cour, 0.66 167 P, P, 13 38 49.3 +0.1, GCVN Cloverdale, 0.66 286 P, P, 13 38 47.7 +0.3, C012 Glenblaw Avenu, 0.67 187 P, P, 13 38 48.9 -0.4, BDM Black Diamond, 0.67 157 P, P, 13 38 49.9 +0.2, MCCM Marconi Confer, 0.69 231 P, P, 13 38 49.0 0.0, BLK Building 88, L, 0.71 183 P, P, 13 38 48.1 -0.1, VAK Adit at Lawren, 0.71 183 P, P, 13 38 50.0 0.0, BKS Berkeley-Byer, 0.71 182 P, P, 13 38 50.1 -0.1, BL67 Building 67, L, 0.71 183 P, P, 13 38 50.1 -0.1, CRPB Russelman Par, 0.71 161 P, P, 13 38 50.0 -0.2, CRHM Russelman Par, 0.71 184 P, P, 13 38 50.1 +0.3, NOLM Olems, 0.72 220 P, P, 13 38 49.4 0.0, SUTB Sutter Butte, 0.72 27 P, P, 13 38 50.1 -0.1, SUTB comp=N, 1.1nm, 0.6s, IAML, 13 39 00.9, SUTB comp=N, 2.1nm, 0.5s, IAML, 13 39 10.0, C031 McGee Avenue B, 0.72 185 P, P, 13 38 50.3 0.0, GHGM Hogback Ridge, 0.73 318 P, P, 13 38 50.5 +0.1, GFC Funks Creek, 0.74 355 P, P, 13 38 51.4 -0.7, GFC Glashauk Up Em, 0.74 185 P, P, 13 38 50.0 -0.2, CRHM Round Hill Res, 0.75 187 P, P, 13 38 50.9 +0.3, AGC Agor Island, 0.75 194 P, P, 13 38 50.3 +0.3, C005 Mandana Bl Oak, 0.78 182 P, P, 13 38 51.1 0.0, BGC Bolinger Road, 0.78 172 P, P, 13 38 51.7 +0.5, CYBM Yerba Buena Is, 0.79 189 P, P, 13 38 51.3 0.0, CYBM Yacc Avenue, 0.79 189 P, P, 13 38 51.9 +0.2, JPRM Presidio of Sa, 0.82 195 P, P, 13 38 51.6 -0.2, GDCM Dry Creek, 0.83 283 P, P, 13 38 51.6 0.0, CMOB Morgan Territo, 0.84 158 P, P, 13 38 52.1 -0.2, GSNM Snow Mountain, 0.85 295 P, P, 13 38 52.2 -0.2, CLCB Lake Chabot, 0.85 173 P, P, 13 38 52.1 -0.2, CSLM San Leandro Hi, 0.86 176 P, P, 13 38 52.9 +0.2, CBSNC Byron Hot Spri, 0.89 150 P, P, 13 38 53.1 +0.1, JSBM San Bruno Moun, 0.92 190 P, P, 13 38 53.3 0.0, CBZL Buffer Zone, 0.97 157 P, P, 13 38 54.8 +0.3, JMGJ Milagra Ridge, 0.97 193 P, P, 13 38 53.8 -0.8, GCVN Escondido, CA, 0.98 284 P, P, 13 38 53.5 -0.5, CSAM Sandi, 0.98 157 P, P, 13 38 59.9 +0.1, CNIC Niles Canyon, 1.00 169 P, P, 13 38 54.8 +0.1, CVLM Vallecito, 1.00 163 P, P, 13 38 55.0 -0.1, SAC San Andreas, 1.02 190 P, P, 13 38 54.7 -0.4, AFDM Forest Hills D, 1.02 69 P, P, 13 38 55.4 0.0, AFDM comp=N, 5.06nm, 0.6s, IAML, 13 39 17.7, GWRM Wonder Ranch, 1.06 306 P, P, 13 38 55.3 -0.6, FARB Farallon Island, 1.09 216 P, P, 13 38 55.3 -1.1, FARB Farallon Islan, 1.09 216 IAML, 13 39 10.8, JEGM El Granada, 1.09 191 P, P, 13 38 55.5 -1.1, CSTL Corral Hollow, 1.10 149 P, P, 13 38 56.2 -0.5, ORV Oroville, 1.11 29 P, P, 13 38 56.6 -0.3, GHM Hamilton Openi, 1.14 294 P, P, 13 38 56.1 -1.3, WELL Weller Preserv, 1.17 97 P, P, 13 38 57.6 -0.3, WELL Weller Preserv, comp=N, 3.49nm, 0.3s, IAML, 13 39 16.1, CALM Calaveras Res., 1.18 164 P, P, 13 38 57.1 -1.0, JRSC Jasper Ridge, 1.18 181 P, P, 13 38 57.2 -0.9, JRSC JRSC, comp=N, 5.59nm, 0.6s, IAML, 13 39 14.5, JRSC JRSC, comp=N, 5.59nm, 0.6s, IAML, 13 39 24.9, JSFB Stanford Trees, 1.18 179 P, P, 13 38 57.7 -0.4, JSFB Coathills Park, 1.23 180 P, P, 13 38 57.7 -0.4, KRKM Rackout Spring, 1.24 322 P, P, 13 38 59.0 -0.1, JSJM St Joseph, 1.25 176 P, P, 13 38 58.5 -0.7, JBMM Black Mountain, 1.27 178 P, P, 13 38 58.3 -1.1, GNAV Navarro Ridge, 1.27 299 P, P, 13 38 58.1 -1.3, MHR Mount Hamilton, 1.28 164 P, P, 13 38 58.6 -0.8, MHR Peters Creek, 1.31 190 P, P, 13 38 59.0 -0.8, MHC Mount Hamilton, 1.32 160 P, P, 13 38 59.4 -0.8, MHC MHC, comp=N, 2.55nm, 0.8s, IAML, 13 39 36.1, ARN Arnold Ranch, 1.34 157 P, P, 13 38 59.7 -0.8, JIOM Saint Joseph's, 1.39 179 P, P, 13 39 00.2 -0.8, JPMN JPMN, 1.39 185 P, P, 13 39 00.2 -0.8, JSTM Santa Teresa H, 1.42 167 P, P, 13 39 00.8 -0.6, CADM Anderson Res., 1.49 162 P, P, 13 39 02.1 -0.3, INGLE Inglenook, Smi, 1.50 309 P, P, 13 39 02.9 +0.4, IUCM University of, 1.51 330 P, P, 13 39 05.1 +0.5, IUCM University of, 1.59 176 P, P, 13 39 05.0 -1.7, GHS Gilroy Hot Spr, 1.60 158 P, P, 13 39 03.6 -0.5, HPLM Lions Peak, 1.61 163 P, P, 13 39 03.6 -0.5, OQZD Mt. Diablo Mer, 1.65 344 P, P, 13 39 04.6 -0.1, DONR Donner Summit, 1.65 62 P, P, 13 39 06.5 +0.2, OQSE Paynes Creek, 1.73 10 P, P, 13 39 06.0 +0.1, OQSE SAO San Andreas Ge, 1.92 162 P, P, 13 39 07.6 -0.6, BEKR Beckworth, 1.92 48 P, P, 13 39 10.0 -0.8, BEKR BEKR, comp=N, 2.50nm, 0.6s, IAML, 13 39 50.6, BEKR BEKR, comp=N, 2.50nm, 0.6s, IAML, 13 39 59.3, PNTR Pine Nut, 2.09 75 P, P, 13 39 09.8 -1.1, BGGB Big Mountain B, 2.21 155 P, P, 13 40 15.8 0.0, BGGB BGGB, comp=N, 2.10nm, 0.8s, IAML, 13 40 20.1, KHBM Hayfork Bally, 2.21 340 P, P, 13 39 12.7 +0.1, PAHR Pah Rah Range, 2.46 62 P, P, 13 39 15.8 -0.1, PAHR PAHR, comp=N, 85nm, 1.7s, IAML, 13 40 05.8, PAHR PAHR, comp=N, 85nm, 1.7s, IAML, 13 40 12.2, MDPB Devils Postpil, 2.64 110 P, P, 13 39 18.5 0.0, MDPB MDPB, comp=N, 91nm, 0.9s, IAML, 13 40 06.0, HULI Fort Hunter Li, 2.67 163 P, P, 13 39 19.4 +0.6, HULI HULI, comp=N, 65nm, 0.9s, IAML, 13 40 00.8, HULI HULI, comp=N, 84nm, 2.2s, IAML, 13 40 32.5, M03C McCloud, 2.68 1 P, P, 13 39 19.0 +0.1, M03C M03C, comp=N, 127nm, 0.8s, IAML, 13 40 34.6, M03C M03C, comp=N, 127nm, 0.8s, IAML, 13 40 35.1, RYN RYN, comp=N, 115nm, 1.1s, IAML, 13 40 13.8, RYN RYN, comp=N, 68nm, 0.6s, IAML, 13 40 14.4, RYN RYN, comp=N, 72nm, 0.8s, IAML, 13 40 14.4, YBH Yreka Blue Hor, 3.17 353 P, P, 13 39 25.5 -0.1, YBH YBH, comp=N, 85nm, 0.3s, IAML, 13 40 55.5, KVN Kaiserville, 3.24 81 P, P, 13 39 27.9 +1.3, KVN KVN, comp=N, 40nm, 0.6s, IAML, 13 40 08.5, KVN KVN, comp=N, 40nm, 0.6s, IAML, 13 40 08.7, L04D Klamath Falls, 3.63 359 P, P, 13 39 31.6 -0.4, L04D L04D, comp=N, 35nm, 2.9s, IAML, 13 40 56.1, YES Vestal, Richgr, 3.70 137 P, P, 13 40 42.7, YES YES, comp=N, 77nm, 3.6s, IAML, 13 41 01.8, MZP Montezuma Peak, 3.90 102 P, P, 13 40 31.1, MZP MZP, comp=N, 24nm, 2.0s, IAML, 13 40 56.1, CWC CWC, comp=N, 25nm, 1.7s, IAML, 13 40 46.4, CWC CWC, comp=N, 33nm, 0.8s, IAML, 13 40 46.4, CWC CWC, comp=N, 37nm, 1.0s, IAML, 13 41 00.3, GRAC Grapevine Rang, 4.15 111 P, P, 13 39 38.9 -0.1, GRAC GRAC, comp=N, 45nm, 1.5s, IAML, 13 41 08.6, MPMC Manual Prospec, 4.53 122 P, P, 13 41 14.1, MPMC MPMC, comp=N, 27nm, 1.4s, IAML, 13 41 26.3, TPNV Topopah Spring, 4.99 107 P, P, 13 39 50.9 +0.2, TPNV TPNV, comp=N, 22nm, 1.0s, IAML, 13 41 27.1, TPNV TPNV, comp=N, 22nm, 1.0s, IAML, 13 41 36.1

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Table with columns: TXAR, Lajitas Array, 17.91 115 P, Pn, 13 42 44.5 -0.3, SAND Sanderson, 18.67 111 P, Pn, 13 42 52.8 -1.0

EST 26 13:43:53.9:0.1, 57.96N:22.54E, h0km, ML2.0(HEL), Explosion, LVSN 26 13:43:54.2:3.4, 57.92N:22.25E, h0km, 42km, ML2.0, Presumed earthquake, DNK 26 13:44:39.1:1.1, 57.05N:16.37E, h0km, Suspected explosion

HEL 26 13:43:53.5:0.1, 57.95N:22.63E, h0km, ML2.0, Explosion, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, SLIT Siltere, Latvi, 0.37 210 Op, P, ISC, h m s ISC, 13 43 59.9 -0.9, SLIT Siltere, Latvi, 0.37 210 P, P, 13 43 59.9 -1.4, SLIT Siltere, Latvi, 0.37 210 P, P, 13 43 59.4 -1.1, SLIT Siltere, Latvi, 0.37 210 P, P, 13 44 04.1 -1.1, MTSE Matsula, 0.99 38 P, P, 13 44 12.6 +0.1, MTSE Matsula, 0.99 38 P, P, 13 44 12.1 -0.4, EEO6 Soera, Palade, 1.03 6 P, P, 13 44 12.4 -0.9, EEO1 Perakula, Nova, 1.37 22 P, P, 13 44 18.6 -1.0, EEO1 Soera, Palade, 1.03 6 P, P, 13 44 12.4 -0.9, EEO1 Soera, Palade, 1.03 6 P, P, 13 44 18.6 -1.0, EEO1 Soera, Palade, 1.03 6 P, P, 13 44 20.6 +0.7, EEO1 Soera, Palade, 1.03 6 P, P, 13 44 37.0 -0.4, EEO1 Soera, Palade, 1.03 6 P, P, 13 44 22.5 +0.2, EEO8 Soera, Palade, 1.03 6 P, P, 13 44 43.9 +0.6, EEO2 Kiisa, Saku, 1.65 40 P, P, 13 44 24.2 +0.5, EEO2 Kiisa, Saku, 1.65 40 P, P, 13 44 24.2 +0.5, EEO2 Kiisa, Saku, 1.65 40 P, P, 13 44 26.1 +0.1, TVF Tvarminne, 1.93 9 P, P, 13 44 28.4 +0.8, TVF Tvarminne, 1.93 9 P, P, 13 44 53.8 -0.3, TVF Tvarminne, 1.93 9 P, P, 13 44 56.3, PBUR Paburge, 2.16 192 P, P, 13 44 27.5 -0.5, EEO3 Tooma soojaam, 1.93 63 P, P, 13 44 32.7 -0.2, EEO3 Tooma soojaam, 1.93 63 P, P, 13 45 07.1 -0.1, VSU Vasula, 2.23 75 P, P, 13 44 33.4 -1.3, VSU VSU, comp=N, 3.2nm, 0.1s, AML, 13 44 33.6, VSU VSU, comp=N, 3.2nm, 0.1s, AML, 13 45 04.5 -0.6, VSU VSU, comp=N, 3.5nm, 0.4s, AML, 13 45 07.0, VSU VSU, comp=N, 2.7nm, 0.4s, AML, 13 45 08.9, VSU Vasula, 2.23 75 P, P, 13 44 32.8 +1.2, VSU Vasula, 2.23 75 P, P, 13 44 32.1 +0.5, MEF Mefahovi, 2.45 21 P, P, 13 44 37.1 -1.3, MEF Mefahovi, 2.45 21 P, P, 13 44 39.3, MEF Mefahovi, 2.45 21 P, P, 13 44 36.8 -1.6, MEF Mefahovi, 2.45 21 P, P, 13 45 06.6 +1.2, MEF Mefahovi, 2.45 21 P, P, 13 45 12.2, MEF Mefahovi, 2.45 21 P, P, 13 44 36.8 -1.6, MEF Mefahovi, 2.45 21 P, P, 13 45 09.1 -0.1, MEF Mefahovi, 2.45 21 P, P, 13 45 10.6, LAUT Laitasaari He, 2.49 26 P, P, 13 44 37.6 -1.5, LAUT Laitasaari He, 2.49 26 P, P, 13 45 09.3 -1.6, PABE Paberze, 2.55 163 P, P, 13 44 37.5 +1.4, EEO7 Piusa Caves, O, 2.58 90 P, P, 13 44 39.6 -1.0, EEO7 Piusa Caves, O, 2.58 90 P, P, 13 45 15.1 -1.3, VUOS Vuosari Helsi, 2.60 29 P, P, 13 44 38.8 +1.9, VUOS Vuosari Helsi, 2.60 29 P, P, 13 45 11.7 -1.6, NUR Nurmjarvi, 2.77 21 P, P, 13 44 41.3 +2.2, NUR NUR, 2.77 21 P, P, 13 45 17.0 -1.3, PVF Parnaja, 3.09 31 P, P, 13 44 49.4 +1.4, RAF Rauma, 3.12 352 P, P, 13 44 43.6 -0.2, RAF Rauma, 3.12 352 P, P, 13 45 34.2, RAF Rauma, 3.12 352 P, P, 13 45 34.5, RAF Rauma, 3.12 352 P, P, 13 45 35.2, RAF Rauma, 3.12 352 P, P, 13 44 43.9 0.0, VJF Virojoki, 3.63 42 P, P, 13 44 51.6 -0.7, KPF Kankaanpaa, 3.91 356 P, P, 13 44 54.5 +0.2, FIAU FINESSE Array S, 3.92 25 P, P, 13 44 55.3 +0.5, SUW Suwalki, 3.95 175 P, P, 13 44 54.1 -2.7, BLEU Blekinge, 4.07 249 P, P, 13 45 04.2 -1.1, KEF Keuruu, 4.08 148 P, P, 13 45 02.9 +1.7, KEF Keuruu, 4.08 148 P, P, 13 45 02.8 +1.6, DEL Delary, 4.99 256 P, P, 13 45 06.8 -2.7, SUF Suurmainen, 5.10 19 P, P, 13 45 11.8 +0.6, ONA Onnsala, 5.12 0 P, P, 13 45 19.9 +0.7, ONA Onnsala, 5.12 0 P, P, 13 45 19.8 -0.6, SJUU Sjujsmark, 7.61 357 P, P, 13 45 44.1 -1.3, DNK 26 13:44:52.4:1.4, 57.34N:5.78E, h11km, 45km, Presumed earthquake, BER 26 13:44:53.4:1.7, 59.40N:6.04E, h0km, ML0.9, Suspected explosion, Southern Norway

TEH 26 13:50:17.4, 40.34N:48.30E, h10km, 103km, ML2.9, Presumed earthquake, DRS 26 13:50:17.5, 40.75N:48.48E, h24km, AZER 26 13:50:15.4, 40.66N:48.55E, h43km, m3.1, Eastern Caucasus

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, PQL Pirakuli, 0.13 15 P, P, ISC, h m s ISC, 13 50 23.4 +0.6, PQL Pirakuli, 0.13 15 P, P, 13 50 25.9 +1.9, IML Ismayilli, 0.31 295 P, P, 13 50 29.0 +0.9, IML Ismayilli, 0.31 295 P, P, 13 50 33.1 +2.8, GBS Gobustan, 0.33 113 P, P, 13 50 25.1 +0.8, GBS Gobustan, 0.33



26d 14h

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like HFS Hagfors, MKAR Makanchi Array, and others.

IDC 26 14:16:55.8, 1.0, 30.36N, 69.54E, h0km, mb3.9/13, mbtm3.9/15, ML3.8/2, MS3.2/11, Error ellipse: s-maj=24.0km, s-min=15.9km, az=53.0

NEIC 26 14:16:55.6, 2.7, 30.33N, 69.08E, h10km, ML4.0, MW3.7, Presumed earthquake

GFZ 26 14:17:02.0, 0.4, 31.1N, 14.7E, h10km, M4.2/11, mb4.2/11, confirmed

ISC 26 14:16:58.0, 0.5, 30.37N, 0.06, 69.58E, 0.06, h10km, n86, r156/86, mb4.1/26, MS3.1/10, 2C-4D, Pakistan

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like KBL Kabul, NIL Nilore, and others.

IDC 26 14:21:05.7, 0.6, 29.97N, 139.38E, h379km, 11km, s-min=8.0km, az=70.0

JMA 26 14:21:05.0, 0.2, 30.30N, 141.00E, h419km, MV3.8/18, NEAR TROPICAL

NEIC 26 14:21:06.0, 1.5, 29.99N, 139.39E, 0.09, h385km, 6km, mb4.1/22, Error ellipse: s-maj=12.7km, s-min=10.4km, az=51.0

ISC 26 14:21:06.3, 0.5, 29.93N, 139.37E, 0.08, h388km, n59, r101/60, mb3.7/21, Southeast of Honshu

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like JHCJ Hachijojimakas, JHUJ Mitsuue, and others.

2020 OCT

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like ZALV Zalesovo Beam, NPW Naypyitaw, and others.

IDC 26 14:29:49.7, 1.4, 6.27N, 126.68E, h0km, mb3.6/4, mbtm3.7/5, ML3.8/1, Error ellipse: s-maj=117.2km, s-min=19.1km, az=62.0

MAN 26 14:39:51.0, 6.12N, 126.87E, h3km, MS3.2, NEIC 26 14:39:57.0, 1.3, 6.27N, 126.8E, 0.1, h59km, 12km, mb4.0/9, Error ellipse: s-maj=19.9km, s-min=8.3km, az=59.0

ISC 26 14:39:55.9, 1.1, 6.27N, 126.89E, 0.07, h60km, 14km, n33, r170/34, mb4.0/8, Mindanao

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like DDMP Don Marcelino, DAV Davao City (W), and others.

IDC 26 14:49:25.8, 5.3, 20.24S, 178.94W, h596km, 38km, mb2.6/3, mbtm3.5/4, Error ellipse: s-maj=148.5km, s-min=23.6km, az=148.0, Fiji Islands region

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like MSVF Nonnavu, ASAR Alice Springs, and others.

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Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like WRA comp=2.0,6nm,1.5s, BOOM Boomskeye Usch, and others.

IDC 26 14:49:25.8, 5.3, 20.24S, 178.94W, h596km, 38km, mb2.6/3, mbtm3.5/4, Error ellipse: s-maj=148.5km, s-min=23.6km, az=148.0, Fiji Islands region

IDC 26 14:49:25.8, 5.3, 20.24S, 178.94W, h596km, 38km, mb2.6/3, mbtm3.5/4, Error ellipse: s-maj=148.5km, s-min=23.6km, az=148.0, Fiji Islands region

IDC 26 14:49:25.8, 5.3, 20.24S, 178.94W, h596km, 38km, mb2.6/3, mbtm3.5/4, Error ellipse: s-maj=148.5km, s-min=23.6km, az=148.0, Fiji Islands region

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like ASAR Alice Springs, WRA Warramunga Arr, and others.







Gll 26 19:23:30.5:0.0,35'.495N:0.003:26'.373E:0.001,h0km,  
Mw5.3,7,confirmed  
ISK 26 19:23:32.1,35'.65N:26'.28E,h6km,ML3.2/23  
ATH 26 19:23:32.8,35'.64N:26'.31E,h11km,1km,ML3.5/10,  
Latitude uncertainty: 0 km; Longitude uncertainty: 1 km  
THE 26 19:23:33.2,36'.N:3.2'6E',h9km,8km,M3.6/14,  
MLh3.6/14  
IDC 26 19:23:34.2:5.8,34'.73N:27'.54E,h0km,mb3.7/3,  
s-min=3.5,ML2.6/2,Error ellipse: s-maj=194.4km  
s-min=68.7km az=123.0  
ISC 26 19:23:32.0:1.2,35'.57N:0.003:26'.33E:0.02,h9km,9km,  
n83,r124/115,mb3.6/3,Crete

Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC
				h m s	ISC
SIT2	Siteia	0.41 207	Op P	19 23 41.8 +0.4	Pb
SIT3	Zakros	0.46 192	Sg S	19 23 48.5 +0.8	Pb
ZKR	Zakros	0.46 192	Pg S	19 23 42.9 +0.5	Pb
ZKR	Zakros	0.46 192	AML AML	19 23 50.8 +1.5	Pb
ZKR	Zakros	0.46 192	Pb P	19 23 43.0 +0.7	Pb
ZKR	Zakros	0.46 192	Pb P	19 23 42.9 +0.5	Pb
ZKR	Zakros	0.46 192	Pb P	19 23 50.5 +1.1	Pb
AGNA	Agios Nikolaos	0.63 233	S S	19 23 42.9 +0.5	Pb
AGNA	Agios Nikolaos	0.63 233	S S	19 23 54.9 +0.8	Pb
NPS	Neapolis	0.66 243	P S	19 23 46.1 +0.3	Pb
NPS	Neapolis	0.66 243	P S	19 23 55.3 +0.2	Pb
NPS	Neapolis	0.66 243	P S	19 23 46.1 +0.3	Pb
NPS	Neapolis	0.66 243	P S	19 23 55.4 +0.2	Pb
KARP	Karpathos	0.68 92	Pg S	19 23 46.8 +0.8	Pb
KARP	Karpathos	0.68 92	Pg S	19 23 56.7 +1.2	Pb
KARP	Karpathos	0.68 92	AML AML	19 23 46.6 +0.6	Pb
KARP	Karpathos	0.68 92	AML AML	19 23 57.1 +1.6	Pb
KARP	Karpathos	0.68 92	P S	19 23 46.8 +0.8	Pb
KARP	Karpathos	0.68 92	P S	19 23 57.8 +2.3	Pb
ASTA	Astypalaia	0.97 1	P S	19 23 50.4 -0.4	Pb
ASTA	Astypalaia	0.97 1	P S	19 24 02.9 -0.5	Pb
THERA	Ancient Thera	1.06 319	P S	19 23 51.8 -0.6	Pb
THERA	Ancient Thera	1.06 319	P S	19 24 05.4 -0.7	Pb
THERA	Ancient Thera	1.06 319	AML AML	19 23 51.8 -0.6	Pb
THERA	Ancient Thera	1.06 319	AML AML	19 24 05.4 -0.7	Pb
IACM	Heraklion	1.06 256	P S	19 23 52.5 0.0	Pb
IACM	Heraklion	1.06 256	P S	19 23 52.4 0.0	Pb
IACM	Heraklion	1.06 256	P S	19 24 08.1 0.0	Pb
THR8	Santorini-Mono	1.09 321	P P	19 23 52.2 -0.7	Pb
THR6	Thira Island	1.09 316	P P	19 23 52.7 -0.3	Pb
THR6	Thira Island	1.09 316	P P	19 23 52.8 -0.3	Pb
THR1	Thira Island	1.09 316	P P	19 23 52.3 -0.8	Pb
TH11	Athinos (Pele	1.10 318	P P	19 23 52.3 -0.8	Pb
THR9	Santorini-Faro	1.12 315	P P	19 23 52.9 -0.6	Pb
THR9	Santorini-Faro	1.12 315	P P	19 23 53.0 -0.5	Pb
THRA	Thira	1.12 319	AML AML	19 23 53.2 -0.2	Pb
THRA	Thira	1.12 319	AML AML	19 23 53.2 -0.2	Pb
FOIA	Foira Santorini	1.13 320	P P	19 23 53.3 -0.3	Pb
SNT5	Nea Kammeni, S	1.13 318	P P	19 23 53.0 -0.8	Pb
SNT5	Nea Kammeni, S	1.13 318	AML AML	19 23 53.3 -0.4	Pb
SNT5	Nea Kammeni, S	1.13 318	P S	19 24 08.6 +0.1	Pb
SNT5	Thira Island	1.13 318	P S	19 23 53.2 -0.5	Pb
THR3	Thira Island	1.14 321	P P	19 23 53.4 -0.5	Pb
THR2	Thira Island	1.14 321	P P	19 23 53.5 -0.5	Pb
THR2	Thira Island	1.14 321	P P	19 23 53.6 -0.8	Pb
THR5	Thira Island	1.16 317	P P	19 23 53.7 -0.8	Pb
CMBO	Columbo, Santo	1.17 320	AML AML	19 23 53.8 -0.8	Pb
CMBO	Columbo, Santo	1.17 320	P S	19 24 09.0 -0.8	Pb
CMBO	Columbo, Santo	1.17 320	P S	19 23 53.8 -0.8	Pb
SAP3	Santorini-Thir	1.18 317	AML AML	19 23 55.0 +0.2	Pb
SAP3	Santorini-Thir	1.18 317	P S	19 24 02.2 -0.8	Pb
SAP3	Santorini-Thir	1.18 317	P S	19 23 55.2 -0.1	Pb
IDI	Anoyia	1.21 257	Pn P	19 24 12.1 +0.3	Pb
IDI	Anoyia	1.21 257	Pn P	19 24 12.1 +0.3	Pb
IDI	Anoyia	1.21 257	AML AML	19 23 54.5 -0.8	Pb
IDI	Anoyia	1.21 257	AML AML	19 23 55.8 +0.6	Pb
IDI	Anoyia	1.21 257	P S	19 24 11.7 -0.1	Pb
IDI	Anoyia	1.21 257	P S	19 23 57.9 +0.2	Pb
SIVA	Sivas	1.36 247	P S	19 24 02.2 +0.2	Pb
SIVA	Sivas	1.36 247	P S	19 24 16.0 +0.2	Pb
RTHF	Rethymno-Limin	1.52 263	P S	19 24 01.6 +0.4	Pb
RTHF	Rethymno-Limin	1.52 263	AML AML	19 24 01.1 +0.4	Pb
DAT	Datca	1.54 41	AML AML	19 24 00.1 +0.4	Pb
ARG	Arkhangelos	1.59 66	Pn P	19 24 01.4 +0.7	Pb
ARG	Arkhangelos	1.59 66	Pn P	19 24 02.2 +0.5	Pb
BODT	Bodrum	1.69 28	Pn P	19 24 24.1 +0.6	Pb
BODT	Bodrum	1.69 28	AML AML	19 24 02.8 +0.5	Pb
YKAV	Yalikavak-Bodr	1.73 26	Pn P	19 24 02.8 +0.5	Pb
YKAV	Yalikavak-Bodr	1.73 26	AML AML	19 24 05.8 +0.5	Pb
DIDI	Didim-Aydin	1.95 22	Pn P	19 24 06.8 +1.4	Pb
DIDI	Didim-Aydin	1.95 22	Pn P	19 24 18.9 +1.0	Pb
TURN	Turunc	1.96 52	Pn P	19 24 06.8 +1.4	Pb
TURN	Turunc	1.96 52	Pn P	19 24 18.9 +1.0	Pb
TURN	Turunc	1.96 52	Pn P	19 24 06.8 +1.4	Pb
GVD	Gavdos	1.98 249	AML AML	19 24 09.4 +0.8	Pb
GVD	Gavdos	1.98 249	P Pb	19 24 09.4 +0.8	Pb
MLSB	Milas	2.08 34	Pn P	19 24 07.9 +0.8	Pb
MLSB	Milas	2.08 34	AML AML	19 24 10.2 +1.1	Pb
YER	Yerkesik	2.22 45	Pn P	19 24 10.2 +1.1	Pb
YER	Yerkesik	2.22 45	AML AML	19 24 10.2 +1.1	Pb
GCAM	G?zelcaml?	2.25 19	Pn P	19 24 10.2 +1.1	Pb
GCAM	G?zelcaml?	2.25 19	AML AML	19 24 14.2 +1.7	Pb
FETY	Fethiye	2.47 64	Pn P	19 24 18.0 +1.7	Pb
FETY	Fethiye	2.47 64	AML AML	19 24 16.9 +0.7	Pb
AKAS	Kas	2.74 75	Pn P	19 24 15.8 -0.4	Pb
AKAS	Kas	2.74 75	AML AML	19 24 18.4 +1.7	Pb
KTHA	Kythira Island	2.74 285	Pn P	19 24 17.8 +0.4	Pb
KTHA	Kythira Island	2.74 285	AML AML	19 24 17.8 +0.4	Pb
CAME	Cameli-Denizli	2.76 59	Pn P	19 24 17.8 +0.4	Pb
CAME	Cameli-Denizli	2.76 59	AML AML	19 24 16.3 -1.1	Pb
CHOS	Chios island	2.82 356	Pn P	19 24 18.9 +1.0	Pb
CHOS	Chios island	2.82 356	AML AML	19 24 19.4 0.0	Pb
NAZL	Nazilli-Aydin	2.86 33	Pn P	19 24 21.3 +0.9	Pb
NAZL	Nazilli-Aydin	2.86 33	AML AML	19 24 22.0 +1.4	Pb
BLCB	Balcova	2.87 11	Pn P	19 24 23.6 +2.0	Pb
BLCB	Balcova	2.87 11	AML AML	19 24 27.1 -0.1	Pb
VL	Velia	2.98 294	Pn P	19 24 55.5 -2.1	Pb
ODEM	Odemis-Izmir	3.04 27	Pn P	19 26 01.8 -2.0	Pb
ODEM	Odemis-Izmir	3.04 27	AML AML	19 25 17.6 +1.0	Pb
APMY	Acipayam-Deniz	3.05 51	Pn P	19 25 25.5 -2.0	Pb
APMY	Acipayam-Deniz	3.05 51	AML AML	19 26 55.6 -1.7	Pb
ELL	Elmalı	3.12 67	Pn P	19 25 27.3 -2.0	Pb
ELL	Elmalı	3.12 67	AML AML	19 25 27.3 -2.0	Pb
KYMI	Kymi, Euboea I	3.54 330	Pn P	19 25 27.3 -2.0	Pb
KYMI	Kymi, Euboea I	3.54 330	AML AML	19 25 27.3 -2.0	Pb
CSS	Mathiatis	5.76 94	Pn P	19 25 27.3 -2.0	Pb
CSS	Mathiatis	5.76 94	AML AML	19 25 27.3 -2.0	Pb
BRTR	Keskin Array B	7.13 52	Pn P	19 25 27.3 -2.0	Pb
BRTR	Keskin Array B	7.13 52	AML AML	19 25 27.3 -2.0	Pb
MMA0B	Mount Meron ar	7.93 106	P S	19 25 27.3 -2.0	Pb
MMA0B	Mount Meron ar	7.93 106	P S	19 25 27.3 -2.0	Pb
GEM	Giv'at Ha'Em	8.06 104	P S	19 25 27.3 -2.0	Pb

GEM	Mount Malkishu	8.17 110	S P	19 26 58.1 -2.5
MMLI	Mount Malkishu	8.17 110	S P	19 25 28.8 -2.0
MMLI	Mount Malkishu	8.17 110	P S	19 27 01.1 -2.1
KZIT	Kziot	8.20 122	P S	19 25 29.3 -1.9
KZIT	Kziot	8.20 122	P S	19 27 00.9 -3.1
UJAP	Al Uja	8.41 113	P S	19 26 32.6 -1.5
UJAP	Al Uja	8.41 113	P S	19 27 05.9 -2.3
RMNI	Mount Ramon	8.63 123	P S	19 25 35.3 -1.9
RMNI	Mount Ramon	8.63 123	P S	19 27 12.2 -2.2
MSBI	Mazada	8.65 117	P S	19 25 35.1 -2.3
MSBI	Mazada	8.65 117	P S	19 27 12.9 -2.2
HRFI	Mount Harif	9.17 125	P S	19 25 42.6 -1.7
HRFI	Mount Harif	9.17 125	P S	19 27 25.2 -2.7
EIL	Elat	9.35 127	P S	19 25 44.6 -2.4
EIL	Elat	9.35 127	P S	19 27 28.9 -3.3
KBZ	Khabaz	15.52 52	Pn P	19 27 07.3 +1.5

KURBB	Kurchatov Arra	40.12 51 <th>P <th>19 31 08.4 +0.5</th> </th>	P <th>19 31 08.4 +0.5</th>	19 31 08.4 +0.5
KURBB	Kurchatov Arra	40.12 51	P	19 31 08.4 +0.5
MKAR	Makanchi Array	42.75 57	P	19 31 30.3 +0.7
ZALV	Zalesovo Beam	44.03 46	P	19 31 43.1 +3.3

IDC 26 19:37:15.3:0.8,1'.56S:100'.61E,h0km,mb3.8/10,  
mbmp3.7/11,ML3.8/1,Error ellipse: s-maj=34.9km  
s-min=16.0km az=62.0  
NEIC 26 19:37:25.0:2.3,1'.53S:0.08:100'.49E:0'.10,h79km,7km,  
mb4.2/10,Error ellipse: s-maj=15.5km s-min=9.3km  
az=59.0  
DJA 26 19:37:26.4:0.2,2'.2'S:2'.10'E,h54km,5km,MA.3/43,  
mb6.0/3,mb4.4/15,MLV4.2/43,MW(m)B.5/63  
ISC 26 19:37:23.2:0.6,1'.54S:0.06:100'.49E:0.08,h58km,n66,  
c252/57,mb3.9/15,Southern Sumatera

Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC
				h m s	ISC
PPI	Padang Panjang	1.08 355	Op P	19 37 46.2 +3.0	Pb
KRJI	Kerinci	1.12 119	P P	19 37 46.5 +3.7	Pb
KRJI	Kerinci	1.12 119	AML AML	19 37 57.1 +3.4	Pb
BKNI	Bangkinang	1.94 17	P P	19 37 57.4 +3.6	Pb
BKNI	Bangkinang	1.94 17	P P	19 38 03.6 +4.0	Pb
MASI	Maura Aman, Be	2.36 132	AML AML	19 38 07.4 +3.8	Pb
PBSI	Pulau Batu	2.66 304	P P	19 38 09.3 +3.3	Pb
PBSI	Pulau Batu	2.66 304	AML AML	19 38 11.5 +3.6	Pb
UBSI	University, Be	2.83 141	AML AML	19 38 21.2 +2.9	Pb
UBSI	University, Be	2.83 141	AML AML	19 38 25.7 +2.9	Pb
KSI	Kapahiang	2.97 135	P P	19 38 26.0 +3.2	Pb
KSI	Kapahiang	2.97 135	AML AML	19 38 30.3 +3.2	Pb
MNAI	Manna	3.73 139	Pn P	19 38 31.6 +2.9	Pb
MNAI	Manna	3.73 139	Pn P	19 38 32.1 +1.9	Pb
GSI	Gumungsitoli	4.06 314	P P	19 38 34.2 +4.0	Pb
GSI	Gumungsitoli	4.06 314	P P	19 38 45.3 +2.6	Pb
BTDF	Bukit Timah Da	4.37 49	AML AML	19 38 44.3 +3.6	Pb
RPSI	Rantau Prapat	4.49 340	P P	19 38 46.7 +1.1	Pb
RPSI	Rantau Prapat	4.49 340	P P	19 38 47.3 +3.1	Pb
MDSI	Maurus Dua	4.70 129	P P	19 38 48.9 +3.2	Pb
TPRI	Tanjung Pinang	4.72 59	P P	19 38 48.9 +3.2	Pb
TPRI	Tanjung Pinang	4.72 59	AML AML	19 38 48.9 +3.2	Pb
TSI	Tuntungan	5.37 339	P P	19 38 46.7 +1.1	Pb
TSI	Tuntungan	5.37 339	AML AML	19 38 47.3 +3.1	Pb
KCSI	Kotacane, Aceh	5.72 332	P P	19 38 48.7 +3.1	Pb
SNSI	Sinabang, Aceh	5.72 313	P P	19 38 48.9 +3.2	Pb
TPTI	Tontoutun	6.00 5	AML AML	19 38 51.4 +1.9	Pb
IPM	Iloh	6.00 5	P P	19 38 52.8 +3.3	Pb
IPM	Iloh	6.00 5	AML AML	19 39 03.5 +3.2	Pb
KULM	Kulim	6.79 1	P P	19 39 04.5 +4.3	Pb
KULM	Kulim	6.79 1	P P	19 39 05.5 -0.8	Pb
CGJI	Cibinong	7.23 134	P P	19 39 05.9 +2.6	Pb
CGJI	Cibinong	7.23 134	AML AML	19 39 14.6 +3.3	Pb
TPJ	Tanjungpandan	7.26 100	P P	19 39 15.7 +3.3	Pb
LHMI	Lhok Sumawe	7.60 332	P P	19 39 15.7 +3.3	Pb
LHMI	Lhok Sumawe	7.60 332	P P	19 41 50.5 +0.1	Pb
TNG	Tangerang	7.67 127	P P	19 39 15.7 +3.3	Pb
SKJI	Sukabungsi	8.13 132	P P	19 41 50.5 +0.1	Pb
CMAR	Chiang Mai Arr	19.93 356	P P	20 12 18.9	Pb
CMAR	Chiang Mai Arr	19.93 356	AML AML	20 11 46.9	Pb
H08S2	Diego Garcia H	28.54 257	T T	20 11 52.6	Pb
H08S3	Diego Garcia H	28.55 257	T T	20	





26/21h

Table with columns for station name, frequency, power, and other technical details. Includes stations like HARR Harsova, CFR Carcaliu, TATR Tatarca, etc.

2020 OCT

Table with columns for station name, frequency, power, and other technical details. Includes stations like BMR Baia Mare, DRGR Dobruška, KBN Korca, etc.

1506

Table with columns for station name, frequency, power, and other technical details. Includes stations like PALK Pallekele, VRAC Vranov, KRUC Moravsky, etc.







TNOU		eS	Sg	21 57 34.2 +0.2
ETM	Tongmen	0.67 218 eP	Pg	21 57 25.0 -0.1
ETM		eS	Pb	21 57 33.8 -0.2
TAP	Taipei	0.67 263 +0.5	Pb	21 57 26.3 +0.5
BACT	New Taipei Cit	0.68 317 eP	Pb	21 57 26.6 +0.7
LXIB	Xinyi Townshi	0.68 226 iP	Pb	21 57 26.2 +0.2
LXIB		eS	Sb	21 57 34.7 -0.8
FUSS	Fushou	0.69 249 P	Pb	21 57 25.8 -0.4
FUSS		eS	Pb	21 57 35.6 -0.2
TEYL	Yanliu Villag	0.70 207 eP	Pb	21 57 26.7 +0.4
WHF	Hehuan Shan	0.71 241 iP	Pb	21 57 26.1 +0.1
WHF		eS	Pb	21 57 27.7 +0.7
YM01	YM01	0.73 322 iP	Pb	21 57 27.6 +0.8
TWT	Tachien	0.74 251 eP	Pb	21 57 27.0 -0.1
TWT		eS	Pb	21 57 36.6 -0.7
KSHI	Guanxi Townshi	0.75 292 eP	Pn	21 57 28.0 -0.6
ZUZH	Zhuzhou	0.76 331 iP	Pb	21 57 27.9 -0.7
TDCH	Techi	0.76 252 eP	Pb	21 57 27.0 +0.1
TDCH		eS	Pb	21 57 36.9 +0.1
YM08	YM08	0.76 325 iP	Pb	21 57 27.6 +0.3
YM08		eS	Pb	21 57 39.5 +0.7
NFF	Wufeng Townshi	0.77 280 iP	Pb	21 57 27.7 +0.3
NFF		eS	Pb	21 57 37.2 -0.7
TWS1	Kuangyinsinan	0.77 321 iP	Pb	21 57 28.5 -0.3
ANP	Anpu	0.79 331 eP	Pb	21 57 28.4 +0.6
SHUL	Shoufeng	0.79 206 eP	Pb	21 57 28.5 -0.5
NTST	Danshui	0.80 326 eP	Pn	21 57 29.2 0.0
ESL	Shilin	0.83 215 eP	Pn	21 57 27.7 -0.4
ESL		eS	Pn	21 57 30.3 -1.5
NCU	National Centr	0.84 301 eP	Pn	21 57 30.1 +0.4
TWY	Chenhua	0.84 338 P	Pb	21 57 29.3 -0.4
TWY		eS	Sb	21 57 40.0 +0.1
LIOB	Emei	0.86 280 iP	Pb	21 57 29.9 -0.2
LIOB		eS	Pb	21 57 40.9 +0.5
NSTT	Nanjuang	0.87 279 eP	Pb	21 57 29.9 -0.3
NSTT		eS	Pb	21 57 40.6 -0.2
OWD	Renai	0.89 233 iP	Pb	21 57 29.1 -0.1
OWD		eS	Sb	21 57 41.0 -0.4
WUSB	Renai	0.91 237 iP	Pb	21 57 29.9 0.0
WUSB		eS	Pb	21 57 41.4 -0.2
JYNG	Yongunijimaku	0.91 93 P	Pb	21 57 29.5 -0.4
JYNG		eS	Pb	21 57 41.4 -0.6
SBC5	Hsinchu	0.92 289 eP	Pb	21 57 32.2 +1.3
SBC5		eS	Pb	21 57 45.1 +1.0
WARB	Fenglin Townsh	0.93 214 eP	Pb	21 57 29.6 -0.6
WHP	Taichung City	0.94 257 eP	Pb	21 57 30.0 +0.4
WHP		eS	Pb	21 57 43.0 +0.2
HSN	Hsinchu	0.94 289 eP	Pb	21 57 31.7 +0.6
HSN		eS	Pb	21 57 44.0 -0.5
YOJ	Yonaguni jima	0.97 92 P	Pb	21 57 30.2 -0.7
YOJ	Yonaguni jima	0.97 92 P	Pb	21 57 30.2 -0.7
YOJ	Yonaguni jima	0.97 92 P	Pb	21 57 30.8 -0.1
YOJ	Yonaguni jima	0.97 92 P	Pb	21 57 43.6 -0.1
YOJ	Yonaguni jima	0.97 92 P	Pb	21 57 30.8 -0.1
YOJ		eS	Sb	21 57 43.4 -0.2
WCS	Beigang Elemen	1.04 245 eP	Pb	21 57 32.7 +0.2
MMLH	Miaoli	1.15 272 eP	Pb	21 57 34.9 +0.5
TW01	Liyutan	1.08 262 eP	Pb	21 57 34.0 +0.9
TW01		eS	Pb	21 57 49.1 +1.1
HGSD	Ruisui	1.11 206 eP	Pg	21 57 34.4 +0.9
PCYT	Pengchaiyu	1.13 6 eP	Pg	21 57 34.7 +0.8
SMLT	Sun Moon Lake	1.13 240 eP	Pg	21 57 34.0 0.0
EHY	Hungye	1.14 210 eP	Pg	21 57 34.0 0.0
EHYH	Wanrong	1.14 209 eP	Pg	21 57 34.2 +0.2
SSLB	Suanglung	1.15 232 P	Pb	21 57 33.8 -0.1
SSLB	Suanglung	1.15 232 S	Pb	21 57 49.8 0.0
SSLB	Suanglung	1.15 232 iP	Pb	21 57 34.0 0.0
TYC	Yuchi	1.17 240 eP	Pb	21 57 34.5 +0.2
WDJ	Dajia District	1.20 263 eP	Pb	21 57 36.5 +1.3
TCU	Taichung	1.21 254 P	Pg	21 57 37.1 +1.8
YULB	Yu-li	1.25 209 P	Pg	21 57 35.4 0.0
YULB	Yu-li	1.25 209 eP	Pb	21 57 35.8 +1.4
YULB		eS	Pb	21 57 53.0 +0.1
WHTY	Xinyi Township	1.28 322 eP	Pb	21 57 36.2 +0.1
TW1	Yuli	1.28 208 eP	Pg	21 57 36.8 -0.1
WJS	Zhushan	1.30 239 eP	Pg	21 57 38.5 +1.4
WJS		eS	Pg	21 57 56.7 +2.7
WNT	Mingjian	1.31 242 eP	Pg	21 57 38.1 +0.8
WNT		eS	Pg	21 57 57.6 +3.4
WCHH	Zhanghua	1.33 252 eP	Pg	21 57 38.0 +1.2
YUS	Yu-Shan	1.35 222 eP	Pg	21 57 38.6 +0.4
CHKH	Chenggong	1.39 201 eP	Pb	21 57 38.3 +0.3
FULB	Fuli	1.42 205 eP	Pb	21 57 38.5 -0.2
ALS	Alishan	1.43 227 eP	Pg	21 57 39.6 0.0
ALS		eS	Pb	21 57 40.9 +1.6
CHNS	Tsauling	1.47 233 eP	Pg	21 57 41.4 +1.1
CHNS		eS	Pg	21 58 01.6 +2.3
WKG	Gukeng	1.50 238 eP	Pg	21 57 41.5 +0.5
WDLH	Douliu	1.52 238 eP	Pg	21 57 42.4 +1.1
WRL	Goolierin Hig	1.55 248 eP	Pg	21 57 40.5 -0.3
ELDTW	Lidau	1.56 213 eP	Pb	21 58 20.5 -1.4
ELDTW		eS	Pb	21 58 01.2 -1.0
RLNB	Erlin	1.57 248 eP	Pg	21 57 42.6 +0.3
WCKO	Fanlu	1.62 230 eP	Pb	21 57 41.9 0.0
IRIF	Iriromote-Funau	1.63 95 P	Pb	21 57 39.9 -0.8
CHNZ	Minsihung	1.65 228 eP	Pg	21 57 44.9 +1.0
CHNZ	Tsashuan	1.68 228 eP	Pg	21 57 44.1 -0.3
CHN4		eS	Pb	21 58 08.6 +2.3
TPUB	Ta-pu	1.69 226 P	Pb	21 57 43.9 +0.7
TPUB	Ta-pu	1.69 226 iP	Pb	21 57 44.9 +0.2
TPUB		eS	Pb	21 58 08.0 +1.3
STYH	Taoyuan	1.70 219 eP	Pb	21 57 44.1 -0.7
STYH		eS	Pb	21 58 06.7 -0.2
CHY	Chiayi	1.71 235 eP	Pg	21 57 45.5 +0.5
CHY		eS	Pg	21 58 09.1 +1.9
WTP	Ta-pu	1.74 225 eP	Pg	21 57 45.8 +0.2
WTP		eS	Pb	21 58 09.4 +1.2
TWK	Hsiinying	1.81 228 eP	Pg	21 57 47.4 +0.4
TWK		eS	Pb	21 58 09.4 -1.0
CHN1	Nanshi	1.84 225 eP	Pg	21 57 47.0 -0.4
WSL	Shuilin Townsh	1.85 239 eP	Pb	21 57 46.8 -0.7
TWG	Pinling	1.85 206 eP	Pb	21 57 44.4 +0.7
twgwt	Geinan	1.85 206 eP	Pb	21 57 43.9 +0.2
SGST	Jiashian	1.88 222 eP	Pb	21 57 46.3 +0.3
SGST		eS	Pb	21 58 11.9 -0.8
JKRS	Kuro-shima	1.90 97 P	Pb	21 57 44.3 0.0
SLGT	Liugui	1.91 219 eP	Pb	21 57 46.2 -0.8
JJL	Ishigaki jima	2.01 93 P	Pb	21 57 45.3 -0.5
JJL		eS	Pb	21 58 08.9 +1.5
ECL	Taimali	2.10 206 eP	Pb	21 57 47.3 +0.2
SSD	Sandimen	2.12 215 eP	Pb	21 57 50.6 +0.2
JISG	Ishigakijimahi	2.15 87 P	Pb	21 57 47.2 -0.6
JISG		eS	Pb	21 58 13.9 -0.7
TSCK	Chigu Township	2.17 232 eP	Pb	21 57 52.4 +1.1
TSCK		eS	Pb	21 58 20.5 -1.4
MASBT	Mashibuluo	2.23 213 eP	Pb	21 57 51.6 -0.8
VVUC	VVUC	2.32 283 eP	Pb	21 57 49.9 -0.3
VVUC		eS	Pb	21 58 17.6 -1.1
EAST	Anshuo	2.33 206 eP	Pb	21 57 53.0 -1.1
PNG	Penghu	2.37 248 eP	Pb	21 57 55.1 +0.3
PHUB	Peng-hu	2.38 246 eP	Pb	21 57 54.2 +1.1
WDGT	Dungji	2.43 240 eP	Pb	21 57 54.3 -1.5
SCZT	Fangliu	2.44 210 eP	Pb	21 57 56.7 +0.7
MATB	Ma-tsu	2.45 313 eP	Pb	21 57 54.5 -1.6
JTY	Tarama	2.51 86 P	Pb	21 57 53.5 +0.7
PHMZ	Houxiangcun	2.63 282 eP	Pb	21 57 44.0 +0.2
LTJ	Jianjiangzhen	2.84 316 eP	Pb	21 57 56.8 -0.5
XPSS	Dashiqiu	2.90 327 eP	Pb	21 57 58.0 -0.1
JIRJ	Irabujima	2.97 83 P	Pb	21 57 59.8 +0.6
MHQZ	Yeshan	3.04 302 eP	Pb	21 58 04.5 -2.4
KNMB	Chin-men Tao	3.28 270 eP	Pb	21 58 03.7 -0.9
AXDP	Jialiang	3.64 277 eP	Pb	21 58 09.1 +0.8

CEVE	Cerro Verde	1.07 73 eP	Pn	22 32 59.8 0.0
RTR	El Retiro	1.07 69 eP	Pn	22 32 59.2 -0.5
SBSL	San Blas	1.07 73 eP	Pn	22 32 59.6 -0.2
SNJE	San Jose	1.10 71 eP	Pn	22 32 59.2 -0.9
RBDL	Robledal	1.13 58 eP	Pn	22 33 00.1 -0.5
RBDL		eS	Pn	22 33 16.9 +1.9
STGB	El Palmar, Qui	1.13 325 iP	Pn	22 33 00.7 +0.1
JAYA	Jayaque - finc	1.20 83 iP	Pn	22 33 00.8 -0.7
JAYA	Jayaque - finc	1.20 83 eP	Pn	22 33 00.6 -0.9
PMON	Piamonte	1.34 82 eP	Pn	22 33 02.9 -0.4
APG	El Apazote	1.49 8 iP	Pn	22 33 04.5 -1.0

NIED 26 22:42:41.6, 38°86'N, 142°03'E, h45km, MW3.5, Moment Tensor solution. s3 Moment tensor: Scale 104 Nm;  $M_{11}: 1.52; M_{22}: 0.01; M_{33}: -1.52; M_{12}: 1.11; M_{13}: -0.29; M_{21}: 1.27; M_{23}: 1.27; M_{31}: 1.27; M_{32}: 1.27; M_{33}: 1.27$  Error ellipse:  $s=1.7km$

JMA 26 22:42:41.6, 0.1, 38°9'N, 0°3'142°0E, 0.3, h45km, MD3.7/40, MV3.7/40, KINKAZAN REGION  
JMA Felt 1 J1 at KINKAZAN REGION  
IDC 26 22:42:41.1, 1.4, 38°80'N, 142°37'E, h77km, 17km, mb3.4/7, mb3.5/7, 11S, 2.72, Error ellipse:  $s=1.7km$

ISC 26 22:42:41.1, 1.4, 38°80'N, 142°12'E, 0.1, h48km, 10km, n29, c089/27, mb3.7/7, 13D, Near east coast of eastern Honshu

Code	Station Name	Δ° AZ°	Phase ID	Time Res	
Code	Station Name	Δ° AZ°	Op	ISC h m s ISC	
OFUJ	Ofunato	0.45 314	iP	Pn	22 42 51.0 -0.1
KJMT	Kesennumamotoy	0.46 272	iP	Pn	22 42 51.8 +0.3
KJMT		eS	Pn	22 42 58.9 -0.1	
JIO	Ouri	0.65 238	iP	Pn	22 42 54.5 +0.5
JIO		eS	Pn	22 43 03.3 0.0	
JMK	Ichinoseki	0.66 283	iP	Pn	22 42 54.4 +0.2
JMK		eS	Pn	22 43 03.6 -0.1	
JOM	Ohasama	0.89 319	iP	Pn	22 42 57.1 -0.1
JOM		A	A	22 42 57.1	
JOM	comp=N, 0.3nm, 0.3s, comp=E, 5.0nm, 0.3s				
JOF	Asakufurukawo	0.91 258	A	A	22 43 08.4 -0.7
JOF		eS	Pn	22 42 58.1	
JTH	Tanohata	1.15 353	iP	Pn	22 43 00.5 -0.2
JOU	Okura	1.17 249	iP	Pn	22 43 01.6 +0.6
JRG	Kogurogo	1.25 292	iP	Pn	22 43 02.2 +0.1
JYK	Yama	1.32 276	iP	Pn	22 43 03.6 +0.5
JMM	Marumori	1.36 227	iP	Pn	22 43 03.9 +0.4
JMM		eS	Pn	22 43 21.1 +0.8	
MJAR	Matsushiro Arr	3.79 235	P	Pn	22 43 41.6 +4.7
MJAR		eS	Pn	22 44 30.1 +1.0	
MJAR	comp=E, 1.7nm, 0.4s, baz=300, slow=32, SNR=2.1				
MJAR		LR	LR	22 45 30.3	
ASAJ	Asahikawa	5.33 4	P	Pn	22 43 58.6 +0.6
ASAJ		eS	Pn	22 44 59.8 +1.8	
ASAJ	comp=E, 3.2nm, 19.6s, baz=12, slow=41				
ASAJ		P	Pn	22 44 09.6 +2.9	
JHJ	Hachijo jima 2	5.96 199	P	Pn	22 45 11.8 -1.8
JHJ		eS	Pn	22 45 11.8 -1.8	
JHJ	comp=E, 10nm, 0.9s, baz=17, slow=14, SNR=1.7				
USRK	Ussuriysk Arr	9.27 309	P	Pn	22 44 56.1 +4.0
USRK		eS	Pn	22 44 56.1 +4.0	
H1N2	WAKE ISLAND Hy 28.68 124	T	T	23 18 58.5	
H1N1	WAKE ISLAND Hy 28.69 124	T	T	23 18 57.5	
H1N1	WAKE ISLAND Hy 28.70 124	T	T	23 18 59.5	
H1N1	WAKE ISLAND Hy 29.45 126	T	T	23 19 55.7	
H1S3	WAKE ISLAND Hy 29.45 126	T	T	23 19 57.2	
H1S2	WAKE ISLAND Hy 29.47 126	T	T	23 19 58.3	
ZALV	Zalesovo Beam	41.12 311	P	P	22 50 20.2 +0.1
ZALV		eS	Pn	22 50 40.8 +0.2	
ZALV	comp=E, 0.7nm, 0.5s, baz=82, slow=8.3, SNR=4.1				
ZALV		eS	Pn	22 50 53.8 -0.3	
KURBB	Kurchatov Arra	45.33 307	P	P	22 51 28.6 +0.1
KURBB		eS	Pn	22 51 28.6 +0.1	
BVAR	Boyovo Arra	49.77 311	P	P	22 51 28.6 +0.1
BVAR		eS	Pn	22 51 28.6 +0.1	
BVAR	comp=E, 0.8nm, 0.4s, baz=70, slow=9.5, SNR=4.1				
WRA	Warramunga Arr	58.88 188	P	P	22 52 35.2 +0.1
WRA		eS	Pn	22 52 35.2 +0.1	
WRA	comp=E, 0.3nm, 0.5s, baz=1.1, slow=7.1, SNR=1.7				
ASAR	Alice Springs	62.60 188	LR	LR	23 21 04.4
BRTR	Keskin Arr	78.06 312	P	P	22 54 35.0 +0.1

27d 1h

2020 OCT

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Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like ACUE, BOSC, JSCB, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like AKASG, NOA, MBAR, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like KST, ULHL, DJR, etc.

CRAAG 27 00:25:40.8, 36:56N, 6:56E, M13.2, Algrie 06km NE

Bni-Hamidne IDC 27 00:25:42.6, 1.8, 36:62N, 6:48E, h0km, mb3.2/2, mbmp3.4/6, ML3.4/4, MS3.0/5, Error ellipse: s-maj=29.7km

s-min=15.7km az=28.0, IDC 27 00:25:43.0, 6.3, 36:56N, 6:54E, h0km, n27, s151/24, Northern Algeria

MEX 27 01:12:06.0, 1.1, 14:66N, 93:71W, h8km, 27km, MD4.2, Presumed earthquake

GCG 27 01:12:06.7, 2.0, 14:59N, 93:64W, h37km, 999km, MD4.4, Presumed earthquake

ISC 27 01:12:00.8, 1.5, 14:60N, 0:06, 93:65W, 0:04, h14km, 11km, n28, e203/51, Near coast of Chiapas

KRSC 27 01:52:12.7, 1.7, 3, 54:91N, 163:18E, h42km, 28km, M4.5, NEIC 27 01:52:13.5, 1.2, 55:23N, 0:09, 162:6E, 0:1, h10km, 1km, mb4.2/22, Error ellipse: s-maj=17.9km s-min=7.3km az=145.0

MOS 27 01:52:14.4, 0.7, 54:97N, 163:21E, h42km, mb4.3/6, Error ellipse: s-maj=7.0km s-min=5.1km az=83.6, IDC 27 01:52:19.1, 2.8, 55:25N, 162:60E, h54km, 26km, mb3.7/18, mbmp4.0/19, ML3.3/1, MS3.5/3, Error ellipse: s-maj=18.3km s-min=14.9km az=123.0

ISC 27 01:52:15.8, 1.2, 55:02N, 0:03, 162:36E, 0:04, h32km, 9km, n158, r155/176, mb4.1/27, MS3.9/3, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like CBHR, CKFL, CSM, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like PRZ, MDOK, ARXS, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like KRKR, KRKR, KRKR, etc.



27d 2h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like HFS Hagfors, AKASG Malin Array Be, TXAR Lajitas Array, etc.

HLW 27 01:58:11.2, 24:07'N, 36:67'E, h9km, 15km, M1.3
SGS 27 01:58:15.4, 24:20'N, 36:67'E, h5km, M1.3
ISC 27 01:58:12.1, 1.7, 24:16'N, 0:06:36.52E, 0:04, h14km, 12km, n36, 1914/46, Red Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SUMJS Umluj, UMJS Umm Lajj, LNY07 LNY07, etc.

GEN 27 02:15:26.1, 44:31'N, 11:27'E, h27km, 1km, M1.7
ROM 27 02:15:29.7, 0.1, 44:135'N, 0:00:44.11, 1:84E, 0:004, h9km, ML1.9/12, 6C-2D, Error ellipse: s-maj=0.4km s-min=0.2km az=14.0, Northern Italy

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like FNVN Fontana Vidola, MOCL Monte Cuculli, MOCL Monte Cuculli, etc.

2020 OCT

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MPPT comp=E, 428um, 0.3s, MPPT comp=N, 730um, 0.4s, etc.

ROM 27 02:15:33.1, 0.1, 44:141'N, 0:00:44.11, 1:92E, 0:005, h6km, ML2.0/16, 1D, Error ellipse: s-maj=0.5km s-min=0.0km az=202.0, Northern Italy

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like RUFU Rufina, RUFU Rufina, CRMI Carnignone, etc.

SJA 27 02:48:21.5, 0.8, 20:35'S, 70:63W, h24km, 2km, ML3.3, MW3.7
GUC 27 02:48:24.0, 0.8, 20:36'S, 70:64W, h22km, 6km, ML3.4, Presumed earthquake

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like FNVN Fontana Vidola, MOCL Monte Cuculli, MOCL Monte Cuculli, etc.

1512

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like RUFU Rufina, BDI Bagni Di Lucca, BDI Bagni Di Lucca, etc.

SCB 27 02:36:17.2, 0.9, 17:33'S, 64:72W, h32km, 3km, ML3.3/3, Error ellipse: s-maj=2.8km s-min=2.0km az=0.0
VAO 27 02:36:17.8, 0.4, 17:64'S, 64:72W, h10km, mb3.9, Presumed earthquake
ISC 27 02:36:20.5, 0.9, 17:41'S, 0:06:64.70W, 0:04, h10km, n21, 19138/23, Central Bolivia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SOET ToroToro, SOET ToroToro, SOET ToroToro, etc.

IDC 27 02:47:20.8, 2.3, 4:55'S, 134:26E, h0km, mb3.6/1, mbmtmp3.4/4, ML3.2/3, Error ellipse: s-maj=73.0km s-min=21.9km az=86.0, Irian Jaya region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA Warrungarra Arr, WRA Warrungarra Arr, WRA Warrungarra Arr, etc.

SJA 27 02:48:21.5, 0.8, 20:35'S, 70:63W, h24km, 2km, ML3.3, MW3.7
GUC 27 02:48:24.0, 0.8, 20:36'S, 70:64W, h22km, 6km, ML3.4, Presumed earthquake

ISC 27 02:48:21.1, 1.4, 20:36'S, 70:73W, 0:05, h16km, 10km, n31, 19103/59, 2C-5D, Near coast of northern Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like TA01 Diego Aracena, TA01 Diego Aracena, TA02 Huaiquique, etc.

Table with columns: PB03, PB03, comp=Z,318nm,0.5s, IPOC Station P, 1.99 136 eP, etc.

SNET 27 02:59:54.0±0.1, 3.32N:88.02W, h10km, 3km, ML2.7, Presumed earthquake

CATAC 27 02:59:54.3±0.2, 13.1N:2.8W, h6km, 1km, M2.8/15, ML2.8/15, Error ellipse: s-maj=4.8km s-min=1.7km

ISC 27 02:59:53.6±0.1, 13.339N:0.048799W, h13km, 7km, n32, c069/43, 2C-3D, Honduras

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

IDC 27 03:09:21.9±17.0, 18.73N:145.45E, h231km, 170km, mb3.3/9, mbmp3.9/9, Error ellipse: s-maj=31.8km s-min=23.7km az=65.0

NEIC 27 03:09:26.5±0.9, 18.68N:0.07:145.4E±0.2, h274km, 9km, mb4.3/22, Error ellipse: s-maj=25.8km s-min=3.2km az=110.0

ISC 27 03:09:23.7±0.7, 18.7N:0.1:145.4E±0.2, h250km, n37, c067/37, mb4.0/21, Mariana Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

Table with columns: N17K, IAMB, IAMB, 03 19 11.0, MKAR Makanchi Array, 58.29 314 P, etc.

NIED 27 03:44:25.3, 38.65N:141.87E, h56km, MW3.8, Moment Tensor Solution. s3 Moment tensor: Scale 10^14 Nm

JMA 27 03:44:25.3±0.1, 38.7N:0.2:141.9E±0.2, h56km, MD3.7/35, Mw4.1/35, KINKAZAN REGION

JMA Felt J1 at KINKAZAN REGION. IDC 27 03:44:26.4±2.8, 38.50N:141.85E, h76km, 26km, mb3.6/9, mbmp3.8/12, MS2.6/3, Error ellipse: s-maj=22.8km s-min=14.9km az=80.0

ISC 27 03:44:25.1±1.1, 38.58N:0.05:141.97E±0.08, h55km, 9km, n58, c1950/59, mb4.0/15, 13D, Near east coast of eastern

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

Table with columns: WB0, Warramunga Arr, 58.47 188 P, WRAB Tennant Creek, 58.64 188 P, etc.

AEIC 27 04:11:33.0±1.6, 51.30N:0.04:178.79W±0.04, h17km, 3km, Error ellipse: s-maj=5.9km s-min=3.9km az=166.0

NEIC 27 04:11:35.6±2.0, 51.44N:0.06:178.78W±0.04, h35km, 1km, mb4.3/52, ML4.0/16, ML3.8(AEIC), Error ellipse: s-maj=10.6km s-min=6.0km az=356.0

IDC 27 04:11:40.9±2.8, 51.61N:178.82W, h91km, 24km, mb3.6/14, mbmp3.9/15, MS2.6/2, Error ellipse: s-maj=24.8km s-min=13.5km az=174.0

ISC 27 04:11:35.7±1.1, 51.46N:0.09:178.80W±0.03, h42km, 8km, n148, c1922/163, mb4.1/32, Andeanoff Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

27d 4h

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like MLY Manley, RND Reindeer, BWN Brown, H2ZK Ishlatina Cre, etc.

2020 OCT

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like CNBA Chernabura Isl, CHNA Chernabura Isl, DOL Dolgoi Island, etc.

1514

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like KDAK, O16K Kokwok River B, O17K Koligena Bris, etc.





27d 6h

Table with columns for station code, name, elevation, and various weather parameters (e.g., SRKR Sorokina, KBTR Krutoberegovo, etc.).

2020 OCT

Table with columns for station code, name, elevation, and various weather parameters (e.g., TIXI Tiksi, TIXI Tiksi, TIXI Tiksi, etc.).

1516

Table with columns for station code, name, elevation, and various weather parameters (e.g., F28M Old Crow, F28M Old Crow, WHN Blow River, etc.).

Table with columns: Station, Time, Az, El, P, M, Max, Min, etc. Includes stations like SUMG Summit, BTX Batken, AB31 Akbulak array, etc.

Table with columns: Station, Time, Az, El, P, M, Max, Min, etc. Includes stations like TXAR Lajitas Array, SADO Sadova, BUR08 Bucovina Ar. S, etc.

Table with columns: Station, Time, Az, El, P, M, Max, Min, etc. Includes stations like DAVA Danuels, DRE Drenchia, FETA Feicht8, etc.

AEIC Z7 06:55:21.4; 1.4, 5.4, 46N; 0.04; 160.05W; 0.08; h15km, 5km, Error ellipse: s-maj=7.1km s-min=5.0km az=102.0

NEIC Z7 06:55:21.5; 1.5, 5.4, 45N; 0.05; 159.99W; 0.06; h21km, 7km, m3, 7/17, ML3.3/38, ML2.8(AEIC), Error ellipse: s-maj=7.9km s-min=4.6km az=189.0, South of Alaska

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CNBA Cherneraba Island, DOL Dolgoi Island, etc.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for PHP, PPT, PPT2, PPT2, VNA2, VNA3.

KRSC 27 07:05:49.4+1.7, 49.26N; 156.52E, h60km, 31km, M1.4, 7.0
MOS 27 07:05:50.4+0.8, 49.31N; 156.08E, h47km, mb4.5/8, Error ellipse: s-maj=12.7km s-min=3.8km az=79.0
NEIC 27 07:05:52.3+2.5, 49.30N; 156.33E; 0.1, h45km, 7km, mb4.2/12, Error ellipse: s-maj=15.7km s-min=10.8km az=131.0
IDC 27 07:05:54.8+2.4, 49.36N; 155.99E, h66km, 19km, mb3.7/21, mbtmp4.0/25, MS3.4/6, Error ellipse: s-maj=20.4km s-min=11.2km az=136.0
ISC 27 07:05:52.9+0.6, 49.30N; 156.29E; 0.06, h57km, n127, r14/13, mb4.1/28, MS3.5/3, 3C-2D, Kuril Islands

Main table for station 1519 with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for SKR, PAU, KDTR, RUS, etc.

Main table for station 2020 OCT with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for D22K, H11S1, H11S3, H11S2, TOLK, SML, E24K, ILAR, etc.

Main table for station 27d 7h with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for LCND, INTP, JUCU, VSM, RANC, PACA, etc.

SJA 27 07:40:09.6+0.6, 19.25S; 70.19W, h53km, 6km, ML3.4, MW3.6
GUC 27 07:40:10.6+0.9, 19.24S; 70.13W, h48km, 1km, ML3.4, Presumed earthquake
ISC 27 07:40:11.7+1.6, 19.26S; 0.02; 70.22W; 0.05, h39km, 93km, n33, r135/57, 1C-1D, Near coast of northern Chile

PRE 27 07:17:34.1+0.4, 26.16S; 30.02E, h0km, ML1.8, Suspected explosion, South Africa

SNET 27 07:30:47.0+0.5, 13.29N; 88.02W, h17km, 2km, ML2.8, Presumed earthquake
CATAC 27 07:30:48.1+0.1, 13.2N; 88.0W; 0.9, h5km, 1km, M2.8/19, ML2.2-19.19, Error ellipse: s-maj=1.0km s-min=1.4km az=19.4, confirmed
ISC 27 07:47:49.0+8.8, 13.32N; 0.03; 88.02W; 0.02, h16km, 5km, n39, c067/69, 3C-2D, El Salvador







27d 9h

0.1mm,0.3s,baz=347,slow=24,SNR=1.6

ROM 27 09:48:57.9,0.3,39.78N,0.01x15.35E,0.03,h309km,2km, ML3.2/54,Error ellipse: s-maj=2.3km s-min=1.2km az=96.0

IDC 27 09:49:01.1,0.7,39.86N,15.07E,h309km,16km,mb3.3/8, mbtmp3.9/17,Error ellipse: s-maj=2.1km s-min=1.4km az=21.0

ISC 27 09:49:00.1,0.7,39.86N,0.07x15.28E,0.07,h293km,7km, n72,c1500/80,mb3.6/6,18D,Southern Italy

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, Res, ISC. Lists various stations like BULG, MGR, CUC, etc.

2020 OCT

Table with columns: TIP, S, AML, S, AML, 09 50 14.0 -0.6. Lists various stations like TIP, JOPP, MATE, etc.

1522

Table with columns: SOI, comp=E, 175um, 0.4s, AML, AML, 09 50 46.0 +0.3. Lists various stations like SOI, MFSR, CSLB, etc.

AFAD 27 09:52:11.3,35.20N,26.50E,h12km,3km,ML2.7 IDC 27 09:52:11.7,2.8,34.91N,27.30E,h0km,mb3.8/4, mbtmp3.6/6,ML2.1/2,MS3.0/2,Error ellipse: s-maj=75.1km s-min=15.2km az=172.0

ISK 27 09:52:11.3,35.03N,27.12E,h5km,ML3.2/17 ATH 27 09:52:12.7,0.7,35.02N,27.12E,h5km,ML3.2/7, Latitude uncertainty: 4 km; Longitude uncertainty: 3 km

THE 27 09:52:13.3,35.3N,30.2E,6.1,h0km,35km, M3.0/6, ML3.0/6

ISC 27 09:52:12.5,1.6,35.00N,0.06x27.07E,0.04,h9km,9km, n54,c0598/65,mb3.7/4,Dodecanese Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, Res, ISC. Lists various stations like KARP, ZAKOS, AGNA, etc.



Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like ETAZ, HRRZ, GRRZ, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like BBSI, KDI, SANI, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like BLKB, BLKB, BLKB, etc.

ADC 27 10:54:03.7 1.2 5:30S:125.00E, h0km, mb3.9/4, mbtmp4.07, ML3.6/3, MS3.1/4, Error ellipse: s-maj=26.9km s-min=15.7km az=38.0

ATH 27 11:01:39.2 2.4 1:67N:23:24E, h11km, 1km, ML2.8/8, Latitude uncertainty: 1 km; Longitude uncertainty: 0 km

SKHL 27 11:07:05.2 0.2, 47:10N:148:20E, h410km, 8km, mb4.4/7, msh4.8/3



Table with columns: Station Name, Time, Azimuth, Elevation, and other parameters. Includes stations like PUYO, JSCH, AV18, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, and other parameters. Includes stations like GO01, PB08, VILB, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, and other parameters. Includes stations like earthquake, EST 27 12:05:01.9, etc.





27d 13h

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Radium Mtn., Albuquerque, and Lajitas Ar. Si.

Station information and coordinates for IDC 27 13:23:03.8, 0.9, 53.92N; 159.62W, h0km, mb4.0/19, mtbpm4.0/22, ML4, O/3, MS3.3/3, Error ellipse: s-maj=21.6km, s-min=13.2km, az=169.0.

Main station list table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ID, Time, Res, and ISC. Lists numerous stations including Chernabura Isl, Dolgo Island, and various Alaska stations.

2020 OCT

Main station list table for 2020 OCT with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Koliaganek Bris, Cape Douglas, and various Alaska stations.

1528

Main station list table for 1528 with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like NOA NORARS Array B, BVAR Borovoye Array, and various Alaska stations.

Station information and coordinates for WEL 27 13:39:46.5, 1.6, 34.5°S, 25.18°E, h301km, 40km, M3.8, ML3.8, 9, MLV3.8, Error ellipse: s-maj=36.4km, s-min=23.7km, az=37.6, confirmed, South of Keradec Islands.

Main station list table for WEL 27 13:39:46.5 with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ID, Time, Res, and ISC. Lists stations like Waiomatatini S, Waiomatatini S, and various Alaska stations.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like RIGZ, MUGZ, Ouhanka, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like VRF, WLF, OLKF, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SUA, ATKA, L20K, etc.

IDC 27 13:50:39.1+4.6, 6.1, 71.71Sx166.12E, h64km, 33km, mb3.77, mbtmp4.0, 9, ML3.7, 2, MS3.1/4, Error ellipse: s-maj=43.5km...

IDC 27 14:06:07.8-0.7, 54.15N; 159.80W, h0km, mb4.3/27, mbtmp4.3/30, ML4.1/3, MS3.4/28, Error ellipse: s-maj=19.0km...

NEIC 27 14:06:09.1+1.3, 54.05N; 0.04-159.69W; 0.08, h14km, 3km, mb4.5/98, ML4.2/34, ML4.0(AEIC), Error ellipse: s-maj=6.8km...

AEIC 27 14:06:10.3+1.1, 54.06N; 0.03-159.70W; 0.08, h11km, 3km, Error ellipse: s-maj=6.6km...

GFZ 27 14:06:10.3+0.4, 54.1N; 159.7W, h10km, MB4.7/23, mb4.7/23, confirmed

ISC 27 14:06:09.3+1.8, 54.06N; 0.05-159.67W; 0.03, h14km, 11km, n312, c0866/267, mb4.6/93, MS3.2/26, South of Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SARVU, HNR, DZM, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CNBA, CHNA, DOL, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ILAR, SCRK, SIT, etc.

HEL 27 14:02:39.9-0.3, 67.17N; 20.58E, h0km, ML0.9, Suspected explosion, Sweden

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ERTU, PAJU, LANU, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PLBL, SII, SII, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like YAK, YAK, YAK, etc.

HEL 27 14:02:48.0-0.2, 67.75N; 34.07E, h0km, ML1.2, Explosion KOLA 27 14:02:48.0, 67.67N; 34.17E, h0km, ML1.4, Error ellipse: s-maj=2.7km...

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LUZ, LUZ, LUZ, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like O14K, KAHG, P17K, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like YAK, YAK, YAK, etc.







27d 15h

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like Paso Flores, Curarrehue, Troll, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like Salisbury, Broadband at M, Willy Bob, etc.

TRN 27 15:15:27.2, 1.7, 6.79S, 130.11E, h89km, 16km, mb3.9/15, mbmp4.2/21, MS3.2/2, Error ellipse: s-maj=18.9km s-min=11.9km

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like Saunlaiki, Bandaيرا, etc.

2020 OCT

Main table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like Darwin Rock St, Sorong, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like Kurchatov, Borovoye, etc.

TRN 27 15:15:28.0, 5.6, 8.22S, 0.05E, 130.02E, 0.05, h100km, n83, c183/75, mb4.2/22, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like Namleae, etc.

1532

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like Chernabura Isl, Chignik, etc.

NEIC 27 15:43:51.8, 1.4, 7.11N, 0.07E, 78.59W, 0.07, h10km, 1km, mb4.5/16, Error ellipse: s-maj=12.3km s-min=11.3km az=185.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like Meteti, etc.



APAC	Apartado, Choc	1.86	71	P	Pb	15 44 28.8 -0.8
APAC				S	Sg	15 44 55.4 0.0
TABO3	Taboga, Panama	1.90	321	eP	Pn	15 44 29.1 +1.2
TABO3				S	Sn	15 44 52.8 +0.9
AZU	Azuero	1.97	285	eP	Pn	15 44 29.9 +1.1
AZU				S	Sb	15 44 53.2 +0.2
AZU	Azuero	1.97	285	eP	Pn	15 44 30.0 +1.1
AZU				S	Sb	15 44 53.7 +0.2
CNTA3	Canitias, Panam	1.98	345	eP	Pn	15 44 30.3 +1.3
CNTA3				S	Sb	15 44 55.8 -0.6
FLAM	Flamenco Islan	1.99	324	eP	Pn	15 44 30.2 +1.1
FLAM				S	Sb	15 44 56.1 +1.1
CHPO	Chepo, Panama	2.01	338	eP	Pn	15 44 30.2 +0.9
CHPO				S	Sb	15 44 56.2 +1.8
UPA	Univ. de Panam	2.04	325	eP	Pn	15 44 30.8 +1.0
UPA				S	Sb	15 44 57.9 -0.1
UPA	Univ. de Panam	2.04	325	eP	Pn	15 44 31.0 +1.1
UPA				S	Sb	15 44 57.1 +1.8
ARRA3	Arrajjan, Pana	2.10	322	eP	Pn	15 44 31.8 +1.1
ARRA3				S	Sb	15 44 58.1 +1.4
CHIT3	Chitre	2.15	288	eP	Pn	15 44 32.8 +1.4
CHIT3				S	Sb	15 44 58.4 +0.4
ZANG	Zanguenga, Cho	2.23	318	eP	Pn	15 44 33.7 +1.2
ZANG				S	Sb	15 45 02.6 -0.8
GAMB1	Gambou	2.25	324	eP	Pn	15 44 34.0 +1.2
GAMB1				S	Sb	15 45 02.1 +1.5
PNME	Penonome	2.28	301	eP	Pn	15 44 34.1 +0.9
PNME				S	Sb	15 45 02.8 +1.5
PNME	Penonome	2.28	301	eP	Pn	15 45 03.1 +1.0
PNME				S	Sb	15 45 03.5 +2.2
FRJ1	El Hiral	2.34	325	eP	Pn	15 44 35.0 +1.0
FRJ1				S	Sb	15 44 53.3 +1.0
BCIP	Isla Barro Col	2.37	322	eP	Pn	15 45 05.8 +2.5
BCIP				S	Sb	15 45 34.9 0.0
BCIP	Isla Barro Col	2.37	322	eP	Pn	15 45 04.8 +1.4
BCIP				S	Sb	15 44 36.5 +0.5
CACAO	El Cacao, Vera	2.49	271	eP	Pn	15 45 03.9 -2.4
CACAO				S	Sb	15 44 36.4 +0.5
CACAO	El Cacao, Vera	2.49	271	eP	Pn	15 44 36.4 +0.5
CACAO				S	Sb	15 45 05.6 +0.8
LCBC	Los crdobas,	2.50	52	eP	Pn	15 44 36.9 +0.6
LCBC	Los crdobas,	2.50	52	eP	Pn	15 44 38.9 -1.7
LCBC				S	Sb	15 45 14.8 -1.3
MARI3	Mariato, Verag	2.64	278	eP	Pn	15 44 38.2 +0.1
MARI3				S	Sb	15 45 09.6 -0.4
CALO3	Calobre, Verag	2.67	293	eP	Pn	15 45 10.9 +0.2
CALO3				S	Sb	15 45 10.9 +0.2
STIA3	Santiago, Vera	2.71	287	eP	Pn	15 44 40.2 +1.0
STIA3				S	Sb	15 45 11.8 -0.1
CBOC	Ciudad Bolivar	2.73	121	eP	Pn	15 44 38.4 -1.1
CBOC				S	Sb	15 45 16.2 +1.9
SFRA3	San Francisco,	2.76	290	eP	Pn	15 44 40.2 +0.4
SFRA3				S	Sb	15 45 13.1 0.0
UREC	San Jos de Ur	2.83	81	eP	Pn	15 44 41.9 +1.1
UREC				S	Sb	15 45 15.7 +0.8
UREC	San Jos de Ur	2.83	81	eP	Pn	15 44 41.3 +0.5
UREC				S	Sb	15 45 14.9 0.0
RSUS3	Rio de Jesus,	2.86	284	eP	Pn	15 44 42.1 +1.0
RSUS3				S	Sb	15 45 16.1 +0.5
GMAL	Guarumal, Vera	2.89	279	eP	Pn	15 44 43.7 +2.1
GMAL				S	Sb	15 45 18.1 +1.8
MEDEC	Medellin, Ant	2.93	110	eP	Pn	15 44 43.0 +0.6
MEDEC				S	Sb	15 45 21.2 +2.2
SAFE3	Santa Fe, Vera	2.96	294	eP	Pn	15 44 43.2 +1.7
SAFE3				S	Sb	15 45 18.6 +0.6
HEL3	Santa Helena	3.01	111	eP	Pn	15 44 44.0 +0.4
HEL3				S	Sb	15 45 21.8 +1.9
HEL3	Santa Helena	3.01	111	eP	Pn	15 44 42.0 +1.0
HEL3				S	Sb	15 44 44.2 +0.6
HEL3	Santa Helena	3.01	111	eP	Pn	15 45 23.2 +3.3
HEL3				S	Sb	15 44 43.6 0.0
HEL3	Santa Helena	3.01	111	eP	Pn	15 45 19.4 -0.4
HEL3				S	Sb	15 44 50.6 +1.0
NANC3	Nancito, Chiri	3.48	286	eP	Pn	15 44 50.1 +0.3
NANC3				S	Sb	15 44 52.5 +0.5
GUY2C	Guyana, Caldas	3.62	125	eP	Pn	15 45 19.5 +1.1
GUY2C				S	Sb	15 45 59.4 +2.1
RECR3	Villamaría, Ca	3.78	128	eP	Pn	15 44 53.9 -1.0
RECR3				S	Sb	15 46 16.0 +1.0
YOTOC	Yotoco, Valle	3.85	149	eP	Pn	15 45 48.1 -2.7
YOTOC				S	Sb	15 44 58.0 +1.9
NORC3	Norcia	3.87	116	eP	Pn	15 45 44.6 +2.3
NORC3				S	Sb	15 44 58.8 +1.0
PTBC	PUERTO BERRIO,	3.94	101	eP	Pn	15 45 45.1 +0.6
PTBC				S	Sb	15 44 58.2 +0.4
SJCC	San Jacinto, C	4.06	50	eP	Pn	15 44 59.2 +1.4
SJCC				S	Sb	15 45 46.0 +0.6
SJCC	San Jacinto, C	4.06	50	eP	Pn	15 44 58.9 +1.2
SJCC				S	Sb	15 45 45.1 -0.3
JAMC	Jamundi, Valle	4.39	158	eP	Pn	15 46 14.2 -2.5
JAMC				S	Sb	15 45 07.4 +3.0
BRU2	Volcan	4.54	289	eP	Pn	15 45 05.4 +0.8
BRU2				S	Sb	15 45 06.0 -4.7
SPBC	San Pablo de B	4.56	111	eP	Pn	15 45 06.9 +2.1
SPBC				S	Sb	15 45 06.2 +1.3
ORTC	Ortega, Tolima	4.57	137	eP	Pn	15 45 06.2 +1.3
ORTC				S	Sb	15 45 02.4 +4.2
BRJC	Barrancabermej	4.59	94	eP	Pn	15 45 07.7 +1.9
BRJC				S	Sb	15 45 07.7 +1.9
CDITO	Canoas	4.65	286	eP	Pn	15 45 07.7 +1.9
CDITO				S	Sb	15 45 07.7 +1.9
ELROS	El Rosal	4.70	121	eP	Pn	15 45 07.7 +1.9
ELROS				S	Sb	15 45 07.7 +1.9
ROSC	10nm,0.3s,baz=315,slow=11,SNR=9.5			Lg	Lg	15 46 13.8
ROSC	1.5nm,0.3s,baz=307,slow=20,SNR=4.1			Lg	Lg	15 46 13.8
ROSC	24nm,0.5s			Lg	Lg	15 46 13.8
ARGC	Ariguani, Magd	4.79	58	eP	Pn	15 45 14.8 -1.8
ARGC				S	Sb	15 46 04.6 +1.3
PRAC	Prado	4.96	136	eP	Pn	15 45 11.8 +1.7
PRAC				S	Sb	15 46 08.0 +0.5
PRAC	Prado	4.96	136	eP	Pn	15 45 13.8 +3.7
PRAC				S	Sb	15 46 11.6 +4.1
POPC	Popayan, Colom	5.01	160	eP	Pn	15 45 11.1 +0.1
POPC				S	Sb	15 46 09.1 0.0
PIRO	Carate, Puerto	5.06	283	eP	Pn	15 45 12.1 +0.8
PIRO	Carate, Puerto	5.06	283	eP	Pn	15 45 04.9 -6.5
CVER	Cruz Verde, Cu	5.07	123	eP	Pn	15 45 15.4 +3.4
CVER				S	Sb	15 45 14.1 +4.8
OCAC	Ocana	5.08	79	eP	Pn	15 45 13.5 +1.7
OCAC				S	Sb	15 46 14.4 +3.9
OCAC	9um423nm,0.6s			S	Sb	15 46 14.4 +3.9
OCAC				S	Sb	15 46 14.4 +3.9
BARC	Barichara	5.18	97	eP	Pn	15 45 15.1 +1.8
BARC				S	Sb	15 46 16.5 +3.3
BARC	2um173nm,0.9s			S	Sb	15 46 16.5 +3.3
BARC				S	Sb	15 46 16.5 +3.3
CHIC	Chingaza	5.31	120	eP	Pn	15 45 17.4 +2.2
CHIC				S	Sb	15 46 23.2 +6.7
CHIC	103nm,0.7s			S	Sb	15 46 23.2 +6.7
CHIC				S	Sb	15 46 23.2 +6.7
BBAC	Barbaca, Cauca	5.36	168	eP	Pn	15 45 17.5 +1.8
BBAC				S	Sb	15 46 17.3 -0.2
BBAC	687nm44nm,0.7s			S	Sb	15 46 17.3 -0.2
BBAC				S	Sb	15 46 17.3 -0.2
BBAC	687nm44nm,0.7s			S	Sb	15 46 17.3 -0.2
BBAC				S	Sb	15 46 17.3 -0.2
RUSC	La Rusia	5.42	105	eP	Pn	15 45 18.1 +0.6
RUSC				S	Sb	15 46 20.1 +1.7
RUSC	La Rusia	5.42	105	eP	Pn	15 45 16.6 -0.1
RUSC				S	Sb	15 45 18.2 +1.4
RUSC	2um146nm,1.0s			S	Sb	15 46 21.9 +2.5
RUSC				S	Sb	15 46 21.9 +2.5
BETC	Betania	5.43	148	eP	Pn	15 45 18.8 +2.3
BETC				S	Sb	15 46 20.6 +1.6
BETC				S	Sb	15 45 16.6 -1.4
OCHAL	Ojocal	5.54	289	eP	Pn	15 45 20.2 +1.4
OCHAL				S	Sb	15 45 23.9 +4.7
SMRC	Santa Marta, M	5.62	124	eP	Pn	15 46 32.3 +8.5
SMRC				S	Sb	15 45 21.6 +2.1
VILC	Villavicencio,	5.64	135	eP	Pn	15 45 21.6 +2.1
VILC				S	Sb	15 46 34.3 -7.7
URMC	La Uribe, Meta	5.64	135	eP	Pn	15 45 21.6 +2.1
URMC				S	Sb	15 46 34.3 -7.7
URMC	2um58nm,0.8s			S	Sb	15 46 34.3 -7.7
URMC				S	Sb	15 46 34.3 -7.7
LCHR2	La Lucha 2	6.09	294	eP	Pn	15 45 23.8 -2.0
HDC	Heredia	6.30	296	eP	Pn	15 45 23.2 -5.3
CRJC	Correjon, Guaj	6.55	55	eP	Pn	15 45 32.8 +0.9
CRJC				S	Sb	15 45 32.8 +0.9

CRJC	2um47nm,0.6s			S	Sn	15 46 44.1 -2.5
TAMC	Tame, Arauca	6.57	97	eP	Pn	15 45 33.2 +0.9
TAMC				S	Sn	15 46 50.4 +3.2
TAMC	93nm,0.7s			S	Sn	15 46 50.4 +3.2
PAC1	Pacto, Paraso	7.00	184	eP	Pn	15 45 41.3 +3.1
OTAV	Otavalo	7.02	181	eP	Pn	15 45 37.3 -1.5
OTAV				S	Sn	15 45 32.2 -6.5
OTAV				S	Sn	15 47 07.1 +3.1
JTVS	Las Juntas de	7.17	295	eP	Pn	15 45 44.0 +3.6
JTVS				Lg	Lg	15 47 43.6
JTVS	0.6nm,0.3s,baz=78,slow=20,SNR=5.9			Lg	Lg	15 47 43.6
JTVS	0.3nm,0.3s,baz=84,slow=19,SNR=1.0			Lg	Lg	15 48 34.2
JTVS	comp=Z,502nm,18.7s,baz=97,slow=38			Lg	Lg	15 48 34.2
JTVS	7.7nm,0.8s			Lg	Lg	15 48 34.2
JTVS	Las Juntas de	7.17	295	eP	Pn	15 45 38.4 -2.0
JTVS				S	Sn	15 45 46.5 -0.5
URIC	Uribia, Colomb	7.65	55	eP	Pn	15 45 45.9 -1.1
URIC				S	Sn	15 47 10.1 -3.6
URIC	Uribia	7.65	55	eP	Pn	15 45 50.2 +0.8
URIC				S	Sn	15 45 50.2 +0.8
SDV	Santo Domingo	7.80	78	eP	Pn	15 47 19.7 +1.9
SDV				Lg	Lg	15 49 11.0
SDV	8.0nm,0.3s,baz=266,slow=12,SNR=4.0			Lg	Lg	15 49 11.0
SDV	11m1,0.3s,baz=345,slow=20,SNR=5.8			Lg	Lg	15 49 11.0
SDV	comp=Z,588nm,20.9s,baz=302,slow=41			Lg	Lg	15 49 11.0
SDV	92nm,0.7s			Lg	Lg	15 49 11.0
SDV	Santo Domingo	7.80	78	eP	Pn	15 45 49.9 +0.6
SDV				S	Sn	15 47 07.6 +0.5
SADR	Presidencia de	13.49	30	eP	Pn	15 47 07.2 -0.1
SADR				S	Sn	15 47 19.9 +0.9
BANI	Bani	13.50	34	eP	Pn	15 47 07.2 -0.1
BANI				S	Sn	15 47 19.9 +0.9
MNDU	Museo Nubio	15.52	14	eP	Pn	15 47 07.2 -0.1
MNDU				S	Sn	15 47 19.9 +0.9
ATAH	Atahualpa	14.34	180	eP	Pn	15 47 19.9 +0.9
ATAH				S	Sn	15 47 19.9 +0.9
ATAH	0.2nm,0.3s,baz=4.2,slow=15,SNR=1.7			S	Sn	15 47 19.9 +0.9
ATAH						

27d 16h

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like URZ Urewera, MWZ Matawai, CNZ Carnagh Station, etc.

2020 OCT

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like VANDA Vanda, URZ Urewera, GSPA South Pole Qui, etc.

1534

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PB05 IPOC Station P, PB03 IPOC Station P, PB02 IPOC Station P, etc.

IDC 27 16:17:24.3±2.5, 56°16'Sx141.77W, h0km, mb4.0/5, mbmp4.0/5, MS3.5/8, Error ellipse: s-maj=80.7km, s-min=30.7km az=53.0.

IDC 27 16:32:23.6±0.8, 38°58'Sx69°03'W, h0km, mb4.2/5, mbmp4.2/7, ML4.1/2, MS3.4/4, Error ellipse: s-maj=35.0km, s-min=12.6km az=108.0.

JMA 27 16:38:39.5±0.1, 26°N1°14'11"E, h170km±2km, MV3.8/13, W OFF OGASAWARA, Bonin Islands region

SNET 27 16:46:46.5±1.6, 13°80'N:89°90'W, h103km, ML3.3, Presumed earthquake

CATAC 27 16:46:47.5±0.6, 13°18'N:9°0'W, h63km, 7km, M3.4/13, MLV3.4/13, Error ellipse: s-maj=17.9km, s-min=6.5km, az=17.1, confirmed

GCG 27 16:46:48.0±0.9, 13°69'N:89°90'W, h81km, 8km, MD3.9, ML4.1, Presumed earthquake

ISC 27 16:46:47.9±0.2, 13°51'N:0°19'00"W, h1km, n29, s1504/41, El Salvador





TABL	Table Mountain	11.82	50	Pn		17 33 39.3 +1.4
F15K	North Star Dir	11.85	50	Pn		17 33 36.9 -1.2
MENT	Mentasta	12.10	37	Pn		17 33 42.8 +1.3
PCA	Pinnacle	12.10	53	Pn		17 33 42.0 +0.4
IMAR	Indian Mountal	12.23	12	Pn		17 33 42.3 -0.9
F17K	Baldwin Emmin	12.36	357	Pn		17 33 36.7 +1.2
PNL	Peninsula	12.37	55	Pn		17 33 46.3 +1.2
ILAR	Eielson Array	12.45	26	Pn		17 33 43.9 -2.4
ILAR	comp=N,0.6nm,0.3s,baz=219,slow=13,SNR=32			Sn		17 35 57.6 -7.5
ILAR	comp=N,0.1nm,0.3s,baz=220,slow=19,SNR=2.8			Sn		
ILAR	comp=N,3.8nm,0.7s					
H22K	Ishaitlita Cre	12.48	16	Pn	AML	17 33 47.1 +0.5
SCRK	Sand Creek	12.70	33	Pn		17 33 46.5 -1.3
GCAR	Beaver Creek A	12.88	39	Pn		17 33 39.9 -0.9
AMKA	Amchitka	13.01	266	Pn		17 33 51.9 -2.0
P29M	Windy Craggy	13.16	57	Pn		17 33 56.8 +0.7
E18K	Tukpahleark C	13.33	358	Pn		17 33 57.4 -0.8
S31K	Pelican	13.63	64	Pn		17 34 01.9 -0.3
HYT	Haines Junctio	13.63	52	Pn		17 34 02.0 -0.5
SKAG	Skagway	14.42	56	P		17 34 14.8 +3.0
BESE	Bessie Mountai	14.32	62	Pn		17 34 11.8 -1.4
S32K	Killisnoo	14.48	67	Pn		17 34 13.2 -0.7
R32K	Eaglecrest	14.56	63	Pn		17 34 14.8 -0.3
C16K	Utukok River	14.57	358	Pn		17 34 15.3 +0.1
Q3M	Miner Creek	14.98	33	Pn		17 34 20.0 -0.8
P32M	Atlin	15.15	58	Iamb	Iamb	17 34 33.0
TOLK	Toolik Lake Re	15.29	14	Iamb	Iamb	17 34 33.4
TOLK	Toolik Lake Re	comp=Z,1.6nm,0.7s				
U33K	Whale Pass	15.29	72	Pn		17 34 24.4 -0.5
U33K	comp=Z,3.3nm,1.0s					
CRAK	Craig	15.35	74	Pn	Pn	17 34 24.9 -0.7
SHEM	Shemaya Is, Ala	15.65	275	Pn	Pn	17 34 27.1 -2.5
P33M	Teslin, Yukon	15.65	56	Iamb	Iamb	17 34 39.6
J30M	Hart River	15.73	39	Iamb	Iamb	17 34 42.0
N32M	Quiet Lake	15.79	53	Iamb	Iamb	17 34 40.5
Q32M	Nakina River	15.80	61	Iamb	Iamb	17 34 43.8
H29M	Whitestone	15.97	32	Iamb	Iamb	17 34 42.5
S34M	Telegraph Cree	16.34	65	Pn		17 34 38.9 +0.5
C24K	Franklin Bluff	16.41	14	Iamb	Iamb	17 34 43.7
MOB3	Moresby Island	16.43	82	Pn	Iamb	17 34 38.8 -0.9
MOB3	comp=Z,6.6nm,1.1s					
R33M	Jennings River	16.52	60	Pn		17 34 42.8 -0.7
G29M	Pine Creek	16.52	31	Iamb	Iamb	17 34 47.4
DLBC	Dease Lake	16.94	63	Pn		17 34 46.6 +0.5
DLBC	comp=Z,0.6nm,0.3s,baz=243,slow=12,SNR=16					
DLBC	comp=Z,3.8nm,0.6s					
DLBC	Sheldon Lake,	17.02	49	AML	AML	17 34 48.2 +1.1
MMPY	Peel River	17.08	37	Iamb	Iamb	17 34 54.4
H31M	comp=Z,3.7nm,1.2s					
E29M	Blow River	17.55	27	Pn		17 34 55.0 +0.2
F30M	Barrier River	17.64	31	Pn		17 34 54.8 +0.1
F30M	comp=Z,3.7nm,0.7s					
G31M	Satah River	17.71	34	Pn		17 34 54.9 -0.7
G31M	comp=Z,4.8nm,0.9s					
INK	Inuvik	18.74	31	P		17 35 07.2 -0.5
INK	comp=Z,0.7nm,0.3s,baz=229,slow=13,SNR=26					
INK	comp=Z,0.5nm,0.5s,baz=81,slow=27,SNR=1.2			Sn		17 38 33.7 -4.0
INK	comp=Z,2.9nm,1.0s					
INK	Paulatuk	22.23	33	P	AML	17 35 45.7 +0.2
C36M	Sachs Harbour	23.15	27	P		17 35 55.0 -0.3
LLBL	Lillooet	23.16	83	P		17 35 55.5 -0.2
NLWA	Neilton Louko	23.45	92	P		17 35 59.2 +0.6
GNW	Green Mountain	23.98	91	P		17 36 05.2 +1.5
SHUK	Shuksan-Mt. Ba	24.04	87	P		17 36 05.1 +0.7
SHUK	comp=Z,9.8nm,0.9s					
F03A	Seaside	24.39	95	P		17 36 09.2 +1.7
PETK	Petropavlovsk	24.50	285	P		17 36 08.6 +0.2
YKA	Yellowknife Ar	24.63	52	P		17 36 10.9 +1.5
PETK	comp=Z,2.8nm,0.7s,baz=266,slow=6.5,SNR=5.5					
LON	Longmire	24.99	92	P		17 36 13.4 +0.5
JRO	Jston Ridge Ob	25.00	93	Iamb	Iamb	17 36 19.1
PETK	comp=Z,1.1nm,1.1s					
PETK	Petropavlovsk	25.01	285	P		17 36 14.0 +1.0
PETK	Liberty	25.01	285	P		17 36 12.2 -0.9
PETK	comp=Z,2.8nm,0.7s					
HOOD	Mount Hood Me	25.85	94	P		17 36 22.1 +1.2
HOOD	comp=Z,1.2nm,1.1s					
SEY	Seymchan	25.92	309	P		17 36 20.5 -0.7
SEY	comp=Z,2.4nm,0.6s,baz=99,slow=15,SNR=5.3					
EPH	Ephrata	25.98	89	Iamb	Iamb	17 36 25.1
D08A	Wollman Farm,	26.53	89	P		17 36 28.0 +1.2
NEW	Newport	26.95	85	Iamb	Iamb	17 36 31.5 +0.5
NEW	comp=Z,7.6nm,0.9s					
MA2	Magadar	27.08	302	LR	LR	17 46 53.3
J05D	Fort Rock, OR	27.27	98	P		17 36 34.5 +0.7
J05D	comp=Z,9.9nm,0.9s					
K05A	Summer Lake	27.81	98	P		17 36 39.2 +0.5
K05A	comp=Z,2.8nm,0.7s					
JTMT	Jette	28.90	84	P		17 36 48.1 -0.2
PNTR	Pine Nut	30.90	103	P		17 37 04.4 -1.7
PNTR	comp=Z,5.6nm,0.7s					
MHC	Mount Hamilton	30.95	107	P		17 37 05.5 -0.9
MHC	comp=Z,1.1nm,1.2s					
YERR	Yerington	31.18	102	P		17 37 09.0 +0.5
YERR	comp=Z,5.9nm,1.0s					
MCMT	McKenzie Canyon	31.30	88	P		17 37 10.0 +0.4
BOZ	Bozeman (W)	31.59	86	P		17 37 12.0 +0.5
NVAR	Mina Array Bea	32.09	102	P		17 37 19.1 +2.5
NVAR	comp=Z,1.8nm,0.7s,baz=301,slow=9.9,SNR=7.8					
NVAR	comp=Z,2.9nm,1.8s,baz=279,slow=31			LR		17 47 42.5
NVAR	comp=Z,1.8nm,0.7s					
NVAR	Mina Array Bea	32.09	102	P		17 37 16.8 +0.2
RES	Resolute Bay	32.20	27	LR	LR	17 53 39.0
YHL	Hebgen Lake	32.26	87	Iamb	Iamb	17 37 21.4
YHL	comp=Z,6.2nm,0.9s					
YHB	Horse Butte	32.31	87	Iamb	Iamb	17 37 21.7
ELK	Elko	32.35	96	LR	LR	17 47 16.3
YNE	Yellowstone No	32.87	85	P		17 37 23.3 -0.1
YNE	comp=Z,4.2nm,21.0s,baz=346,slow=30					
YNE	comp=Z,6.5nm,0.9s					
YMP	Mirror Lake Pt	32.93	86	Iamb	Iamb	17 37 27.4
YMP	comp=Z,7.3nm,1.0s					
HVU	Hansel Valley	33.93	94	Iamb	Iamb	17 37 29.0
DUG	Dugway, Tooele	34.12	95	P		17 37 34.1 -0.1
DUG	comp=Z,6.3nm,1.0s					
TIXI	Tiksi	34.28	328	P		17 37 33.6 -1.4
TIXI	comp=Z,0.4nm,0.3s,baz=92,slow=7.9,SNR=1.2			LR		17 52 09.8
TIXI	comp=Z,83nm,18.4s,baz=188,slow=37					
TIXI	Tiksi	34.28	328	P		17 37 34.3 -0.7
TPNV	Topopah Spring	34.29	102	Iamb	Iamb	17 37 38.8
CLC	China Lake	34.32	105	Iamb	Iamb	17 37 39.2

PDAR	Pinedale Array	34.44	88	P		17 37 36.9 -0.2
PDAR	comp=Z,5.2nm,1.1s					
PDAR	comp=Z,1.6nm,0.7s,baz=308,slow=5.5,SNR=12					
PDAR	comp=Z,1.6nm,0.7s					
GWY	Greenwater Val	34.48	103	P		17 37 38.4 -0.6
GWY	comp=Z,3.6nm,0.7s					
CCCA	Chir Cany lake	34.66	105	Iamb	Iamb	17 37 42.2
PRN	Paradox Valley	34.67	100	Iamb	Iamb	17 37 42.5
PRN	Pahr Range	comp=Z,8.8nm,1.4s				
RDMU	Red Mountain	35.79	91	Iamb	Iamb	17 37 51.6
RDMU	comp=Z,2.9nm,0.9s					
SRU	San Rafael See	36.17	94	Iamb	Iamb	17 37 55.1
K22A	Casper	36.29	86	Iamb	Iamb	17 37 55.8
YAK	Yakutsk	36.37	311	P		17 37 51.9 -1.2
YAK	comp=Z,6.5nm,0.6s,baz=208,slow=1.1,SNR=5.7			LR		17 52 48.6
YAK	comp=Z,7.2nm,21.2s,baz=88,slow=36					
YAK	Yakutsk	36.37	311	P		17 37 51.4 -1.8
HMU	Henry Mountain	36.82	96	Iamb	Iamb	17 38 00.7
O20A	White River Cl	36.85	91	Iamb	Iamb	17 38 00.4
RSSD	Black Hills	36.87	82	P		17 37 57.4 -0.5
RSSD	comp=Z,8.8nm,0.8s					
PV10	Paradox Valley	37.52	94	Iamb	Iamb	17 38 07.0
PV10	comp=Z,7.7nm,1.0s					
PV17	East Wray Mesa	37.63	94	Iamb	Iamb	17 38 06.7
PV17	comp=Z,1.7nm,1.4s					
PV05	Paradox Valley	37.69	94	Iamb	Iamb	17 38 07.5
PV18	Skein Mesa, Pa	37.69	94	Iamb	Iamb	17 38 07.8
PV18	comp=Z,1.4nm,1.4s					
PV07	Paradox Valley	37.71	93	Iamb	Iamb	17 38 11.5
PV07	comp=Z,8.1nm,1.1s					
PV03	Paradox Valley	37.72	94	Iamb	Iamb	17 38 07.0
PV02	Paradox Valley	37.81	94	Iamb	Iamb	17 38 08.4
PV15	Paradox Valley	37.88	93	Iamb	Iamb	17 38 08.9
PV01	Paradox Valley	37.96	94	Iamb	Iamb	17 38 09.6
ULM	Lac du Bonnet	38.13	69	P		17 38 09.1 +0.9
ULM	comp=Z,1.2nm,0.8s,baz=295,slow=8.3,SNR=8.6					
AGMM	Agassiz Station	39.18	72	P		17 38 16.8 -0.3
T25A	Trinidad	41.07	91	Iamb	Iamb	17 38 36.2
T25A	comp=Z,1.1nm,1.0s					
KLR	Kul'dur	41.27	292	LR	LR	17 55 38.9
KLR	comp=Z,3.4nm,19.1s,baz=26,slow=36					
NEEM	North Greenland	41.59	18	Iamb	Iamb	17 38 38.4 +1.5
NEEM	comp=Z,1.9nm,0.9s					
RTBA	Rita Blanca	42.53	91	P		17 38 44.3 -0.6
RTBA	comp=Z,10nm,0.9s					
CBKS	Cedar Bluff	42.70	86	P		17 38 46.8
CBKS	comp=Z,1.4nm,0.8s					
H112	WAKE ISLAND Hy	42.78	230	T		18 24 46.4
H112	comp=Z,26,slow=76,SNR=97					
H113	WAKE ISLAND Hy	42.78	230	T		18 24 47.3
H113	comp=Z,26,slow=76,SNR=111					
H111	WAKE ISLAND Hy	42.80	230	T		18 24 44.3
H111	comp=Z,26,slow=76,SNR=78					
NOR	Nord	43.05	7	Iamb	Iamb	17 38 50.0 +1.5
NOR	comp=Z,6.2nm,1.0s					
I37A	Lemond, Waseca	43.06	75	P		17 38 49.2 +0.2
H115	WAKE ISLAND Hy	43.94	229	T		18 26 13.4
H115	comp=Z,27,slow=76,SNR=25					
H112	WAKE ISLAND Hy	43.95	229	T		18 26 11.5
H112	comp=Z,27,slow=76,SNR=29					
H113	WAKE ISLAND Hy	43.96	229	T		18 26 16.1
H113	comp=Z,27,slow=76,SNR=20					
AMTX	Amalillo	44.23	91	Iamb	Iamb	17 39 01.0
AMTX	comp=Z,1.2nm,1.1s					
MSTX	Muleshoe	44.23	93	P		17 39 58.9 +0.2
MSTX	comp=Z,7.8nm,1.0s					
I40A	Norwalk	44.72	74	P		17 39 01.9 -0.4
MJAR	Matsushiro Arr	45.48	274	P		17 39 08.1 -0.4
MJAR	comp=Z,0.8nm,0.6s,baz=40,slow=8.1,SNR=2.4					
DKNS	Dickens	45.53	92	Iamb	Iamb	17 39 11.0
DKNS	comp=Z,0.8nm,0.6s					
POST	Post	45.61	93	Iamb	Iamb	17 39 12.3
POST	comp=Z,8.2nm,0.9s					
I42A	Draeger Farm	45.68	73	P		17 39 09.8 -0.2
SGCY	Sterling	46.66	94	Iamb	Iamb	17 39 19.8

Table with columns for station name, time, and various codes. Includes stations like BBOO, Buckleboo, Leigh Creek, Murray Bridge, Cummins Area S, Stephens Creek, Kelly Hill Cav, Mulgathing, Mount Arapiles, Mount Gambier, Innaminka, Oodnadatta, Hawkesdale P12, Greenvale, Toolangi, Quilpie, Forrest, Canberra, Dalton (NSW), Canbera, Alice Springs, and Raoul Island.

Table with columns for code, station name, time, and various codes. Includes stations like Alice Springs, Warramunga Arr, Erkin-Say, Erta Ale, Karatay Array, Borolday, Kastele, MASU, ERTU, KUA, RATU, HARU, SALU, LANU, NIKU, KUVU, SJUU, ARCES, FINES, HFS, and Green Lake.

Table with columns for code, station name, time, and various codes. Includes stations like Nonsavu, DGTI, MARE, NIUE, WAIKUA, WGMZ, PAKIHIROA, RAUKUMARA RANG, TAUWHAREPARAE, UREWERA, MATAWAI, MAUNGATANIWAHIA, BLACK STUMP FM, SOUTH NAGAUHUO, SOUTH POLE QUI, EIELSON ARRAY, TERANOVA SIBA, CELICO, SAN LORENZO BE, and SPEZZANO DELA.



LADO	San Nicola del	0.48 143	P	Pb	18 49 34.5	-0.3	MGR	comp=N,1040µm,0.6s	AML	AML	comp=E,1255µm,1.2s	PALZ	comp=E,1255µm,0.8s	AML	AML						
LADO			S	Sb	18 49 42.6	+1.0	MGR	comp=E,1345µm,0.5s	AML	AML	comp=N,905µm,0.7s	PALZ	comp=N,905µm,0.7s	AML	AML						
LADO			AML	AML			MGR	comp=E,1345µm,0.5s	AML	AML	IST3	Stromboli F	1.37 231	AML	AML						
LADO	comp=N,5270µm,0.6s		AML	AML			MGR	comp=N,1269µm,0.7s	AML	AML	IST3	comp=N,1185µm,0.6s	AML	AML							
LADO	comp=E,6975µm,0.4s		AML	AML			MGR	comp=E,1238µm,0.5s	AML	AML	IST3	comp=E,908µm,1.2s	AML	AML							
LADO	comp=N,4524µm,0.3s		AML	AML			MGR	comp=N,1042µm,0.6s	AML	AML	MRLC	Muro Lucano	1.38 322	AML	AML						
LADO	comp=E,6974µm,0.4s		AML	AML			MGR	comp=E,5815µm,0.4s	AML	AML	MRLC	comp=E,732µm,0.7s	AML	AML							
TIP	Timpagrande	0.51 166	↑P	Pb	18 49 35.0	-0.2	MIGL	Miglionico	0.94 353	P	Pb	18 49 42.2	-0.4	MRLC	comp=E,360µm,0.7s	AML	AML				
TIP			S	Sb	18 49 42.7	+0.5	MIGL	comp=N,5170µm,0.5s	AML	AML	MIGL	comp=N,318µm,0.5s	AML	AML	MRLC	comp=N,318µm,0.5s	AML	AML			
TIP			AML	AML			MIGL	comp=N,5170µm,0.5s	AML	AML	MIGL	comp=N,658µm,0.5s	AML	AML	MRLC	comp=N,318µm,1.5s	AML	AML			
TIP	comp=N,1295µm,1.5s		AML	AML			MIGL	comp=N,5170µm,0.5s	AML	AML	MIGL	comp=N,658µm,1.5s	AML	AML	MRVC	comp=N,658µm,1.5s	AML	AML			
TIP	comp=E,1019µm,0.4s		AML	AML			MIGL	comp=N,5170µm,0.5s	AML	AML	MIGL	comp=N,658µm,1.5s	AML	AML	MRVN	Minervino Murg	1.42 348	↑P	Pn	18 49 49.6	+0.4
TIP	comp=N,1295µm,1.5s		AML	AML			MIGL	comp=N,5170µm,0.5s	AML	AML	MIGL	comp=N,658µm,1.5s	AML	AML	MRVN	comp=E,563µm,0.7s	AML	AML			
TIP	comp=E,1028µm,0.4s		AML	AML			MIGL	comp=N,5170µm,0.5s	AML	AML	MIGL	comp=N,658µm,1.5s	AML	AML	MRVN	comp=E,563µm,1.3s	AML	AML			
TIP	comp=N,1295µm,0.5s		AML	AML			MIGL	comp=N,5170µm,0.5s	AML	AML	MIGL	comp=N,658µm,1.5s	AML	AML	MRVN	comp=N,510µm,0.5s	AML	AML			
TIP	comp=N,1295µm,0.5s		AML	AML			MIGL	comp=N,5170µm,0.5s	AML	AML	MIGL	comp=N,658µm,1.5s	AML	AML	MRVN	comp=N,510µm,0.5s	AML	AML			
TIP	comp=N,1295µm,0.5s		AML	AML			MIGL	comp=N,5170µm,0.5s	AML	AML	MIGL	comp=N,658µm,1.5s	AML	AML	MRVN	comp=N,510µm,0.5s	AML	AML			
TIP	comp=N,1141µm,0.3s		AML	AML			MIGL	comp=N,5170µm,0.5s	AML	AML	MIGL	comp=N,658µm,1.5s	AML	AML	MRVN	comp=N,510µm,0.5s	AML	AML			
TIP	comp=E,1018µm,0.4s		AML	AML			MIGL	comp=N,5170µm,0.5s	AML	AML	MIGL	comp=N,658µm,1.5s	AML	AML	MRVN	comp=N,510µm,0.5s	AML	AML			
TIP	comp=E,1026µm,0.4s		AML	AML			MIGL	comp=N,5170µm,0.5s	AML	AML	MIGL	comp=N,658µm,1.5s	AML	AML	MRVN	comp=N,510µm,0.5s	AML	AML			
TIP	comp=N,1154µm,0.4s		AML	AML			MIGL	comp=N,5170µm,0.5s	AML	AML	MIGL	comp=N,658µm,1.5s	AML	AML	MRVN	comp=N,510µm,0.5s	AML	AML			
CAR1	CAROLEI	0.51 216	↓P	Pb	18 49 35.0	-0.3	MATE	Matera	0.98 5	P	Pb	18 49 43.8	+0.5	CEL	Celeste	1.51 202	P	Pb	18 49 51.5	-0.8	
CAR1			S	Sb	18 49 43.8	-0.9	MATE	comp=N,1760µm,1.3s	AML	AML	CEL	comp=E,418µm,0.7s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML			
CAR1			AML	AML			MATE	comp=N,1740µm,0.5s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML	CEL	comp=N,552µm,1.4s	AML	AML			
CAR1	comp=E,5090µm,0.8s		AML	AML			MATE	comp=N,1740µm,1.5s	AML	AML	CEL	comp=N,552µm,1.4s	AML	AML	CEL	comp=N,552µm,1.4s	AML	AML			
CAR1	comp=E,6175µm,0.5s		AML	AML			MATE	comp=N,1667µm,0.4s	AML	AML	CEL	comp=N,552µm,1.4s	AML	AML	CEL	comp=N,552µm,1.4s	AML	AML			
CAR1	comp=N,6645µm,0.8s		AML	AML			MATE	comp=N,1739µm,0.5s	AML	AML	CEL	comp=N,552µm,1.4s	AML	AML	CEL	comp=N,552µm,1.4s	AML	AML			
CAR1	comp=N,6350µm,0.6s		AML	AML			MATE	comp=N,1739µm,0.5s	AML	AML	CEL	comp=N,552µm,1.4s	AML	AML	CEL	comp=N,552µm,1.4s	AML	AML			
CAR1	comp=N,6350µm,1.4s		AML	AML			MATE	comp=N,1739µm,0.5s	AML	AML	CEL	comp=N,552µm,1.4s	AML	AML	CEL	comp=N,552µm,1.4s	AML	AML			
CAR1	comp=N,6352µm,0.6s		AML	AML			MATE	comp=N,1739µm,0.5s	AML	AML	CEL	comp=N,552µm,1.4s	AML	AML	CEL	comp=N,552µm,1.4s	AML	AML			
CAR1	comp=E,5292µm,0.3s		AML	AML			MATE	comp=N,1739µm,0.5s	AML	AML	CEL	comp=N,552µm,1.4s	AML	AML	CEL	comp=N,552µm,1.4s	AML	AML			
CAR1	comp=E,4658µm,0.4s		AML	AML			MATE	comp=N,1739µm,0.5s	AML	AML	CEL	comp=N,552µm,1.4s	AML	AML	CEL	comp=N,552µm,1.4s	AML	AML			
CAR1	comp=N,5815µm,0.4s		AML	AML			MATE	comp=N,1739µm,0.5s	AML	AML	CEL	comp=N,552µm,1.4s	AML	AML	CEL	comp=N,552µm,1.4s	AML	AML			
CET2	Cetraro	0.52 254	P	Pb	18 49 35.3	-0.1	TAR1	Taranto	1.00 31	P	Pb	18 49 43.8	+0.2	CEL	comp=N,593µm,1.4s	AML	AML				
CET2			AML	AML			TAR1	comp=E,2450µm,1.1s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML			
CET2	comp=N,8450µm,0.6s		AML	AML			TAR1	comp=N,3110µm,0.6s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML			
CET2	comp=E,4875µm,0.8s		AML	AML			TAR1	comp=N,3110µm,0.6s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML			
CET2	comp=N,8454µm,0.6s		AML	AML			TAR1	comp=N,3110µm,0.6s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML			
MMN	Mormanno	0.52 295	P	Pb	18 49 36.0	+0.6	TAR1	comp=N,3110µm,0.6s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML			
MMN			AML	AML			TAR1	comp=N,3110µm,0.6s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML			
MMN	comp=N,3710µm,1.1s		AML	AML			TAR1	comp=N,3110µm,0.6s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML			
MMN	comp=N,3597µm,0.5s		AML	AML			TAR1	comp=N,3110µm,0.6s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML			
MMN	comp=E,2367µm,0.6s		AML	AML			TAR1	comp=N,3110µm,0.6s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML			
GRIS	Grisolia	0.58 277	P	Pb	18 49 36.9	+0.4	BULG	Bulgheria - Ca	1.02 294	P	Pb	18 49 44.1	+0.1	CEL	comp=N,593µm,1.4s	AML	AML				
SERS	Sersale	0.64 174	↑P	Pb	18 49 37.0	-0.5	BULG	comp=E,1050µm,0.7s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML			
SERS			S	Sb	18 49 46.8	+0.8	BULG	comp=E,1075µm,0.7s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML			
SERS			AML	AML			BULG	comp=N,1375µm,0.3s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML			
SERS	comp=E,1825µm,0.5s		AML	AML			BULG	comp=N,1345µm,0.3s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML			
SERS	comp=N,1430µm,1.6s		AML	AML			BULG	comp=N,1345µm,0.3s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML			
SERS	comp=N,1935µm,0.5s		AML	AML			BULG	comp=N,1345µm,0.3s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML			
SERS	comp=E,1465µm,0.7s		AML	AML			BULG	comp=N,1345µm,0.3s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML			
SERS	comp=N,1430µm,0.4s		AML	AML			BULG	comp=N,1345µm,0.3s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML			
SERS	comp=E,1468µm,0.7s		AML	AML			BULG	comp=N,1345µm,0.3s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML			
SERS	comp=E,1825µm,0.5s		AML	AML			BULG	comp=N,1345µm,0.3s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML			
SERS	comp=N,1346µm,0.4s		AML	AML			BULG	comp=N,1345µm,0.3s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML			
SERS	comp=N,1936µm,0.5s		AML	AML			BULG	comp=N,1345µm,0.3s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML			
ALB1	ALBI	0.65 180	P	Pb	18 49 37.2	-0.4	BULG	comp=N,1345µm,0.3s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML			
SCHR	S. Chirico Rap	0.67 323	P	Pb	18 49 37.7	-0.3	BULG	comp=N,1345µm,0.3s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML			
SCHR			AML	AML			BULG	comp=N,1345µm,0.3s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML			
SCHR	comp=E,1365µm,0.7s		AML	AML			BULG	comp=N,1345µm,0.3s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML			
SCHR	comp=N,1550µm,0.4s		AML	AML			BULG	comp=N,1345µm,0.3s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML			
SCHR	comp=E,1366µm,0.7s		AML	AML			BULG	comp=N,1345µm,0.3s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML			
SCHR	comp=N,1546µm,0.4s		AML	AML			BULG	comp=N,1345µm,0.3s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML	CEL	comp=N,593µm,1.4s	AML	AML			



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Table with columns: LEM, LR, LR, 19 52 01.0, and various station names like Lembang, Sibulan, Cateai, Davao, Bungbulang, etc.

2020 OCT

Table with columns: WRA, PpP, PpP, 19 52 45.2 +0.1, and various station names like Warramunga Arr, Warramunga Arr, Warramunga Arr, etc.

27d 19h

Table with columns: YOJ, 26.91 8 P, P, 19 49 32.9 +1.0, and various station names like Yonaguni jima, Yonaguni jima, Yonaguni jima, etc.









Table with columns for station name, frequency, power, and other technical details. Includes stations like MOS, QSPA, OBN, RDOG, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like KIEV, AK05, BPAW, KTH, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like ILAR, ELIAR, ELIAR, etc.

Table of seismic events with columns for station name, time, magnitude, and other parameters. Includes stations like OTAV, CMBC, CASC, etc.

Table of seismic events for October 2020, including stations like OTAV, CMBC, CASC, and detailed event information.

Table of seismic events for station KOCA, including magnitude and time data.

ATH 27:20:07:04.2, 37.81N, 23.43E, h14km, 2km, ML1.2/15, Latitude uncertainty: 0 km; Longitude uncertainty: 0 km, Southern Greece

Table of seismic events for station ATH, including station names like Agioi Theodoros, Makryloggos, etc.

IDC 27:20:08:18.8, 1.8, 5.00S, 133.79E, h0km, mb3.6/1, mbmp3.7/6, ML3.8/5, Error ellipse: s-maj=29.5km s-min=14.3km az=86.0

DJA 27:20:08:22:0, 0.5, 5.5, S:4, 13.4E, h56km, 31km, M3.8/7, mbmp3.8/3, MLV3.8/7

ISC 27:20:08:21.7, 1.4, 5.13S, 0.08, 134.0E, 0.1, h50km, n9, c204/13, Aru Islands region

Table of seismic events for stations like FAKI, BNDI, SIJI, etc., including station names and event details.

KRSC 27:20:14:20.6, 0.9, 51.68N, 158.97E, h52km, 14km, M4.5, Falt [I]-[II] at HWS Voodpadayna

MOS 27:20:14:21.5, 1.0, 51.29N, 159.98E, h52km, mb4.1/7, Error ellipse: s-maj=1.4km s-min=4.6km az=88.5

NEIC 27:20:14:21.4, 1.7, 51.66N, 0.09, 158.80E, 0.7, h54km, 8km, mb4.0/3, Error ellipse: s-maj=1.09km s-min=7.5km az=193.0

IDC 27:20:14:27.0, 1.7, 51.83N, 158.42E, h93km, 12km, mb3.4/15, mbmp3.8/16, Error ellipse: s-maj=20.1km s-min=13.8km az=131.0

ISC 27:20:14:21.8, 0.8, 51.69N, 0.04, 158.92E, 0.05, h53km, 8km, n120, c143/136, mb3.9/27, Near east coast of Kamchatka Peninsula

Table of seismic events for stations like KDRTR, KDRTR, RUS, etc., including station names and event details.



27d 20h

Table with columns for station name, elevation, and coordinates. Includes stations like West Dahl Nort, Chirikof Island, Westdahl Peak, and many others.

2020 OCT

Table with columns for station name, elevation, and coordinates. Includes stations like Sucking Hills, Novinta River, Kantissha Hill, and many others.

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Table with columns for station name, elevation, and coordinates. Includes stations like Malin Array Be, Malin Array Be, Vranov, and many others.











Table with columns: Call Sign, Frequency, Mode, Power, and other technical details for stations like MKAR, MA2, KURBB, etc.

NEIC 28 00:11:10.3, 2.1, 2.1 OS: 0.1, 1.78, 7W: 0.2, h570km, 8km, mb4.3/33, Error ellipse: s-maj=23.0km s-min=15.5km az=124.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC for stations like MSFV, CRZ, Nelsol, etc.

AFAD 28 00:41:30.0, 34.97N, 26.14E, h68km, 75km, ML2.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC for stations like AGNA, NPS, NPS, etc.

WRA Warramunga Arr 43.82 263 P 00 18 26.7 -0.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC for stations like WRA, WRA, WRA, etc.

WRA Warramunga Arr 40.93 162 P 00 52 04.1 +0.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC for stations like WRA, WRA, WRA, etc.

ASAR Alice Springs 44.36 165 P 00 52 32.1 +0.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC for stations like ASAR, ASAR, ASAR, etc.

WRA Warramunga Arr 49.89 257 P 00 54 20.6 -0.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC for stations like WRA, WRA, WRA, etc.

ASAR Alice Springs 50.17 252 P 00 54 23.4 0.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC for stations like ASAR, ASAR, ASAR, etc.

BRTR Keskin Array B 146.00 321 PKPbc PKPbc 01 05 07.8 -0.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC for stations like BRTR, BRTR, BRTR, etc.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details for stations like BRTR, KIRS, VLDR, etc.

IDC 28 00:41:06.0, 7.4, 33.739N, 24.36E, h0km, mb4.0/3, mbtmp3.8/5, ML3.6/2, Error ellipse: s-maj=127.2km s-min=57.8km az=36.0

ATH 28 00:41:19.8, 34.46N, 25.49E, h7km, 3km, ML3.3/12, Latitude uncertainty: 3 km; Longitude uncertainty: 0 km

AFAD 28 00:41:30.0, 34.97N, 26.14E, h68km, 75km, ML2.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC for stations like AGNA, NPS, NPS, etc.

WRA Warramunga Arr 40.93 162 P 00 52 04.1 +0.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC for stations like WRA, WRA, WRA, etc.

ASAR Alice Springs 44.36 165 P 00 52 32.1 +0.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC for stations like ASAR, ASAR, ASAR, etc.

WRA Warramunga Arr 49.89 257 P 00 54 20.6 -0.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC for stations like WRA, WRA, WRA, etc.

ASAR Alice Springs 50.17 252 P 00 54 23.4 0.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC for stations like ASAR, ASAR, ASAR, etc.

BRTR Keskin Array B 146.00 321 PKPbc PKPbc 01 05 07.8 -0.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC for stations like BRTR, BRTR, BRTR, etc.

ZUR 28 00:56:21.7, 46.91N, 9.12E, h1km, MLh2.7/77, Error ellipse: s-maj=1420.4km s-min=635.5km az=5.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC for stations like ZUR, ZUR, ZUR, etc.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details for stations like AKUM, AKUM, AKUM, etc.

IDC 28 00:44:19.4, 1.4, 19.60N, 122.46E, h0km, mb3.7/6, mbtmp3.7/6, MS2.9/1, Error ellipse: s-maj=57.0km s-min=19.9km az=60.0

MAI 28 00:44:21.0, 19.63N, 121.73E, h25km, MS3.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC for stations like AKAS, AKAS, AKAS, etc.

WRA Warramunga Arr 40.93 162 P 00 52 04.1 +0.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC for stations like WRA, WRA, WRA, etc.

ASAR Alice Springs 44.36 165 P 00 52 32.1 +0.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC for stations like ASAR, ASAR, ASAR, etc.

WRA Warramunga Arr 49.89 257 P 00 54 20.6 -0.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC for stations like WRA, WRA, WRA, etc.

ASAR Alice Springs 50.17 252 P 00 54 23.4 0.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC for stations like ASAR, ASAR, ASAR, etc.

WRA Warramunga Arr 49.89 257 P 00 54 20.6 -0.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC for stations like WRA, WRA, WRA, etc.

ASAR Alice Springs 50.17 252 P 00 54 23.4 0.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC for stations like ASAR, ASAR, ASAR, etc.

BRTR Keskin Array B 146.00 321 PKPbc PKPbc 01 05 07.8 -0.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC for stations like BRTR, BRTR, BRTR, etc.

ZUR 28 00:56:21.7, 46.91N, 9.12E, h1km, MLh2.7/77, Error ellipse: s-maj=1420.4km s-min=635.5km az=5.0

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like PANIX Pigniu, LLLS Linth-Limmern, MUO Muotathal, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like KOSI, MBAL, WATA, WTTA, HINP, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like AGPR Aguadilla, SJG San Juan, IGPR Interuniversit, etc.

Table with columns: INK, Inuvik, 18.53 31 P, 01 34 18.7 -0.3, etc. Includes stations like PEABO, PETK, PDAR, H1N2, H1N3, H1N1, H1S1, H1S2, H1S3, ARTI, MKAR, AB31, ABKAR, AKASG.

ISK 28 01:39:55.6, 35.83N, 36.56E, h11km, ML3.3/10
GII 28 01:39:56.7, 0.0, 36.34N, 0.002, 36.639E, 0.001, h0km, MWS3.4, confirmed

NIC 28 01:39:59.6, 35.99N, 36.37E, h21km, 2km, M2.8/13
AFAD 28 01:39:59.7, 35.92N, 36.49E, h18km, 1km, M1W3.0
GRAL 28 01:40:02.6, 0.4, 35.76N, 36.25E, h11km, 8km, MD3.3
ISC 28 01:39:55.6, 1.1, 35.89N, 0.002, 36.56E, 0.02, h7km, 10km, n102, s185/158, Jordan-Syria region

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations from RHAN to MVOU.

Main station list table with columns: CSS, Mathiatis, 2.79 252, P, 01 40 43.1 +2.4, etc. Lists stations from CSS to EIL.

Main station list table with columns: SDPT, Sand Point, 1.04 329, P, 01 48 15.5 -0.6, etc. Lists stations from SDPT to I30M.

NEIC 28 01:47:57.6, 1.5, 54.47N, 0.07, 159.61W, 0.05, h25km, 7km, mb3.6/7, ML3.5/38, ML3.3(AEIC), Error ellipse: s-maj=10.4km s-min=2.2km az=159.0
AEC 28 01:47:59.1, 1.4, 54.47N, 0.05, 159.66W, 0.07, h18km, 5km, Error ellipse: s-maj=7.3km s-min=5.7km az=153.0
IDC 28 01:48:00.6, 1.7, 55.69N, 160.14W, h0km, mb3.7/7, mbmp3.6/11, ML3.3/3, Error ellipse: s-maj=38.9km s-min=16.2km az=169.0
ISC 28 01:47:57.5, 1.3, 54.46N, 0.06, 159.54W, 0.04, h30km, 8km, n124, s191/136, mb3.7/7, South of Alaska

28d 3h

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like DLBC Dease Lake, G29M Pine Creek, G30M G30M, etc.

ISK 28 02:04:36.5, 40.53N, 32.95E, h5km, ML3.6/16
AFAD 28 02:04:37.3, 40.53N, 32.96E, h10km, 3km, MW3.8
IDC 28 02:04:38.1, 40.53N, 32.96E, h0km, mb3.42, mbtmp3.4/6, ML3.5/2, Error ellipse: s-maj=15.8km s-min=11.8km az=67.0

Main table of station data with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Lists numerous stations like ELDT Eldivan, CMDR Camlidere-ANKA, DERS Karabk-Eskip, etc.

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Main table of station data with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Lists stations like CKRK Yozgat, SIRC Serdivan-Sakar, SAUV SAUV, etc.

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Main table of station data with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Lists stations like KRSC 28 02:56:43.7, 1.3, 56.15N, 163.17E, etc.



SEAW	Seaton School	0.99	4	P	Pn	03 01 55.6 +0.6	NTVZ	North Tongariri	3.29	13	P	Pn	03 02 28.2 +1.4	comp=Z.865m,27.5s	HNR	Honiara	35.24	334	LR	LR	03 22 16.4
MISS	Wellington Mir	1.00	4	P	Sb	03 01 55.7 +0.6	KATZ	Karakamea	3.42	13	P	Pn	03 02 28.0 +1.6	comp=Z.1160m,19.0s,baz=272,slow=36	MTSU	Mount Surprise	35.34	304	P	P	03 08 31.3 +0.3
MISS						03 02 07.1 -0.7	TMZ	Timaru	2.42	232	P	Pn	03 02 28.5 +0.1	comp=Z.7.6m,0.8s	MTSU	Mount Surprise	35.34	304	P	P	03 08 30.7 -0.3
SNZO	South Karori	1.00	359	P	Pn	03 01 55.5 +0.3	BKZ	Black Stump Fm	3.42	24	P	Pn	03 02 29.6 +1.1		VNDA	Vanda	35.71	185	P	P	03 08 35.0 +1.4
SNZO	South Karori	1.00	359	P	Sb	03 01 55.8 +0.6	BKZ	Black Stump Fm	3.42	24	S	Pn	03 02 29.5 -2.1	comp=Z.0.9nm,0.6s,baz=21,slow=8.6,SNR=5.0	VNDA	Vanda	35.71	185	P	LR	03 21 40.2
SNZO	South Karori	1.00	359	P	Sb	03 02 07.7 -0.1	RITZ	Rihia Road	3.44	15	P	Pn	03 02 30.4 +1.6	comp=Z.150m,18.4s,baz=351,slow=34	VNDA	Vanda	35.71	185	P	LR	03 21 40.2
WNHS	Wellington Hig	1.01	2	P	Sg	03 01 55.8 +0.5	ARHZ	Aroapaunui	3.50	30	P	Pn	03 02 29.7 +0.2	comp=Z.0.9nm,0.6s	VNDA	Vanda	35.71	185	P	LR	03 21 40.2
WNHS	Wellington Hig	1.01	2	P	Sg	03 02 07.4 +0.8	RATZ	Rangitukua	3.53	13	P	Pn	03 02 32.4 +2.4		QNS	Vanda	35.71	185	P	P	03 08 34.9 +1.4
WTYS	Wellington Ten	1.02	2	P	Sg	03 01 56.1 +0.7	NMHZ	Naumai	3.58	27	P	Pn	03 02 31.0 +0.3		QNS	Mount Isa	36.62	295	P	P	03 08 42.1 +0.1
WTYS	Wellington Ten	1.03	1	P	Sg	03 02 07.6 +0.8	WATZ	Wairara	3.68	12	P	Pn	03 02 33.7 +1.5		QIS	Mount Isa	36.62	295	P	P	03 08 41.0 -0.2
WEL	Wellington	1.03	1	P	Sg	03 01 56.2 +0.6	MHRZ	Mohaka	3.71	21	P	Pn	03 02 32.8 -0.2		AS01	Alice Springs	38.50	286	P	P	03 08 58.0 +0.2
WEL	Wellington	1.03	1	P	Sg	03 01 56.2 +0.6	WHZ	Wahiahu	3.75	31	P	Pn	03 02 34.5 +1.3		AS1	Alice Springs	38.53	286	P	P	03 08 57.0 -1.1
VUWS	Victoria Unive	1.03	2	P	Pn	03 01 56.2 +0.6	WHZ	Wahiahu	3.75	31	P	Pn	03 02 34.5 +1.3		ASAR	Alice Springs	38.53	286	P	P	03 08 57.1 -1.0
TUWZ	Tuamarina	1.06	326	P	Pn	03 01 56.5 +0.5	HIZ	Hauti	3.80	1	P	Pn	03 02 34.1 +0.4	comp=Z.1.7nm,0.8s,baz=125,slow=7.1,SNR=133	ASAR	Alice Springs	38.53	286	P	P	03 11 09.9 -1.0
TUWZ	Tuamarina	1.06	326	P	Pn	03 01 56.7 +0.6	HIZ	Hauti	3.80	1	P	Pn	03 02 34.1 +0.4		ASAR	Alice Springs	38.53	286	P	P	03 11 09.9 -1.0
PAWZ	Paruru Farm	1.07	29	P	Sb	03 02 09.6 -0.1	HIZ	Hauti	3.80	1	P	Pn	03 02 34.1 +0.4	comp=Z.1.9nm,0.8s,baz=134,slow=4.0,SNR=5.4	ASAR	Alice Springs	38.53	286	P	LR	03 25 03.4
PAWZ	Paruru Farm	1.07	29	P	Sb	03 02 09.6 -0.1	FOZ	Fox Glacier	3.81	250	P	Pn	03 02 34.7 +0.9	comp=Z.2.65m,18.0s,baz=120,slow=37	ASAR	Alice Springs	38.53	286	P	LR	03 25 03.4
PAWZ	Paruru Farm	1.07	29	P	Sb	03 02 09.6 -0.1	FOZ	Fox Glacier	3.81	250	P	Pn	03 02 34.7 +0.9	comp=Z.1.70m,0.8s	ASAR	Alice Springs	38.53	286	P	LR	03 25 03.4
TCW	Tory Channel	1.16	343	P	Pn	03 01 57.6 +0.3	RAHZ	Rangitukua	3.81	26	P	Pn	03 02 33.7 -0.1		PPT2	Papeete2	39.10	62	eLR	LR	03 19 40.9
TCW	Tory Channel	1.16	343	P	Pn	03 01 57.7 +0.3	RAHZ	Rangitukua	3.81	26	P	Pn	03 02 33.7 -0.1		PPT2	Papeete2	39.10	62	eLR	LR	03 19 40.9
TCW	Tory Channel	1.16	343	P	Pn	03 02 10.8 -0.4	KUTZ	Kaahu Road	3.91	13	P	Pn	03 02 37.9 +2.6		PPT2	Papeete2	39.10	62	eLR	LR	03 19 40.9
TCW	Tory Channel	1.16	343	P	Pn	03 02 10.8 -0.4	LBZ	Lake Benmore	3.91	237	P	Pn	03 02 35.6 +0.4		PPT2	Papeete2	39.10	62	eLR	LR	03 19 40.9
TRWZ	Traveller	1.16	38	P	Pn	03 01 58.0 +0.6	LBZ	Lake Benmore	3.91	237	P	Pn	03 02 35.6 +0.4		PPT2	Papeete2	39.10	62	eLR	LR	03 19 40.9
TRWZ	Traveller	1.16	38	P	Pn	03 01 58.0 +0.6	ALRZ	Allen Road	3.94	19	P	Pn	03 02 35.9 +0.3		PPT2	Papeete2	39.10	62	eLR	LR	03 19 40.9
TRWZ	Traveller	1.16	38	P	Pn	03 01 58.0 +0.6	KNZ	Kohu	3.95	35	P	Pn	03 02 35.1 -1.0		PPT2	Papeete2	39.10	62	eLR	LR	03 19 40.9
CAW	Cannon Point	1.23	12	P	Sg	03 01 59.1 +0.7	PRRZ	Plateau Road	4.02	19	P	Pn	03 02 38.6 +1.7		WR0	Warramunga Arr	40.49	291	P	Iamb	03 09 13.6 -0.9
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	TLZ	Tolley Road	4.03	9	P	Pn	03 02 36.6 +1.7		WR0	Warramunga Arr	40.49	291	P	Iamb	03 09 13.6 -0.9
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 36.4 -0.4		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 37.1 +0.3		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 37.1 +0.3		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 37.1 +0.3		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 37.1 +0.3		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 37.1 +0.3		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 37.1 +0.3		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 37.1 +0.3		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 37.1 +0.3		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 37.1 +0.3		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 37.1 +0.3		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 37.1 +0.3		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 37.1 +0.3		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 37.1 +0.3		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 37.1 +0.3		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 37.1 +0.3		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 37.1 +0.3		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 37.1 +0.3		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 37.1 +0.3		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 37.1 +0.3		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 37.1 +0.3		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 37.1 +0.3		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 37.1 +0.3		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 37.1 +0.3		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 37.1 +0.3		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 37.1 +0.3		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 37.1 +0.3		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 37.1 +0.3		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 37.1 +0.3		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 37.1 +0.3		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 37.1 +0.3		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 37.1 +0.3		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 37.1 +0.3		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	Cannon Point	1.23	12	P	Sg	03 02 12.9 -0.7	ODZ	Otahua Downs	4.03	226	P	Pn	03 02 37.1 +0.3		WR8	Warramunga Arr	40.52	291	P	Iamb	03 09 13.3 -1.4
CAW	C																				





28d 4h

Table with columns for station name, frequency, power, and signal quality. Includes stations like SPIA, CETU, LVA, AKGG, etc.

2020 OCT

Table with columns for station name, frequency, power, and signal quality. Includes stations like SCRR, GRNC, BARN, LOGN, etc.

1560

Table with columns for station name, frequency, power, and signal quality. Includes stations like COR, KIP, KIP, etc.



Table with columns: Station, Frequency, Power, Mode, and Time. Includes stations like Scoresbysund, Witchita Falls, Zalesovo Beam, etc.

Table with columns: Station, Frequency, Power, Mode, and Time. Includes stations like P48A Milroy, GLAT Glass, LNXT Lenox, etc.

Table with columns: Station, Frequency, Power, Mode, and Time. Includes stations like N58A Sunbury, TKL Tuckaleechee C, Q56A Snyder Ridge, etc.





28d 4h

Table with columns: Station, Name, Frequency, Power, and other technical details. Includes stations like PURM Purcari, WINA Alland/Wiene, BOAB BOACO BROADBANK, etc.

2020 OCT

Table with columns: Station, Name, Frequency, Power, and other technical details. Includes stations like LOT Lotru, DRS Darwin Rock St, BZS Buzias, etc.

1564

Table with columns: Station, Name, Frequency, Power, and other technical details. Includes stations like WRAB Tennant Creek, WRB Warramunga Arr, WR1 Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like OTAV Otavalo, STKA Kodakinal, STKA Stephens Creek, etc.

IDC 28 04:14:42.0.2.3.53.12N:173.45W, h448km, 26km, mb3.8/20, mbtmp4.7/22, Error ellipse: s-maj=21.5km s-min=12.7km az=171.0, Andeanoff islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SHEM Shemya Is, Ala, PETK Petropavlovsk, MA2 Magadan, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KURBB Kurchatov Arra, MKAR Makanchi Array, BVAR Borovoye Array, etc.

IDC 28 04:16:52.0.25.0.18:15S:177.85W, h565km, 31km, mb3.2/3, mbtmp4.2/4, Error ellipse: s-maj=453.1km s-min=116.7km az=81.0

NEIC 28 04:16:52.4.0.8.17:9S:0.2:177.9W:0.1, h566km, 11km, mb4.3/17, Error ellipse: s-maj=25.5km s-min=13.5km az=146.0

ISC 28 04:16:54.5:1.1, 17.9S:0.2:178.2W:0.2, h590km, n22, c090/22, mb4.2/11, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MSVF Nonsavu, SNZO South Karori, TOO Toolangi, etc.

MAN 28 04:19:39.0.19:84N:122:02E, h16km, MS3.7 IDC 28 04:19:39.7.1.5.19:55N:122:26E, h0km, mb4.1/4, mbtmp4.1/4, MS2.7/1, Error ellipse: s-maj=44.4km s-min=32.1km az=50.0

NEIC 28 04:19:41.0.0.8.19:65N:0.08:122:5E:0.1, h10km, 1km, mb4.2/9, Error ellipse: s-maj=23.8km s-min=12.9km az=276.0

ISC 28 04:19:41.7.0.8.19:60N:0.04:122:1E:0.1, h10km, n32, c1861/28, mb4.2/8, Phillipine Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CIPC Calayan Island, PACPP Pamplona Cagay, PIP Pasuquin, etc.

WBO Warramunga Arr 40.93 162 P P 04 27 22.6 -2.1 WRA Warramunga Arr 41.09 162 P P 04 27 24.0 -1.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA Warramunga Arr, H11S3 WAKE ISLAND HY 42.08 84 T, etc.

IPEC 28 04:23:44.8.0.2.50:32N:18:81E, h1km, ML2.3/6, Error ellipse: s-maj=1.9km s-min=0.8km az=174.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like OKC Ostrava-Krasne, OKC Ostrava-Krasne, OKC Steborice, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like STEB, OJC Ojcow, ANAC Anensky vrch, etc.

ISK 28 04:37:58.7.36:01N:36:35E, h9km, ML1.5/5, Jordan-Syria region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TAHT Tahtakopru-Hat, CEYH Ceyhan, KOZT Kozan, etc.

AFAD 28 04:38:20.1.36:53N:35:38E, h6km, 5km, ML1.8, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HASA Hatay-Hassa-Ha, HASA Hatay-Hassa-Ha, HASA Hatay-Hassa-Ha, etc.

GII 28 04:50:00.8.0.0.31:508N:0:001:35:501E:0:001, h0km, Mws2.2, confirmed

JSO 28 04:50:07.3.0.3.31:N.3:3.6E:N, h10km, M2.5/7, MLv2.5/7

ISC 28 04:50:09.1.1.31:52N:0:02:35:48E:0.05, h18km, 1km, n21, c0961/29, Dead Sea region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MZS Mizpe Shalem, MZS Mizpe Shalem, GHAJ Ghor Haditha, etc.

28d 4h

Table with columns: Station Name, Azimuth, Phase ID, Time Res, ISC, and various parameters. Includes stations like UJAP, AMAZ, SWQJ, SALP, etc.

VAO 28 04:52:25.2±0.2, 34.84Sx71.64W, h10km, mb5.4, Presumed earthquake
SJA 28 04:52:32.4±0.6, 34.90Sx71.73W, h70km, 4km, ML5.4, MW5.4
GFZ 28 04:52:31.6±0.2, 35.2±0.2, h55km, 3km, M5.4/25, mb5.6/25
NEIC 28 04:52:31.9, 34.88S:71.71W, h58km
GFZ 28 04:52:31.6, 34.93S:71.65W, h60km, Mw5.3/78, Moment Tensor Solution...

Table with columns: Code, Station Name, Azimuth, Phase ID, Time Res, ISC, and various parameters. Includes stations like G005, B003, M002, etc.

2020 OCT

Main table with columns: Station Name, Azimuth, Phase ID, Time Res, ISC, and various parameters. Includes stations like BO04, MT12, LMEL, etc.

1566

Table with columns: Station Name, Azimuth, Phase ID, Time Res, ISC, and various parameters. Includes stations like PLCA, PASO, LCO, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like CZSB, BSCB, PMMB, CLDS, ATAH, BDFB, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like SJG, QSPA, QSPA, QSPA, QSPA, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like WVT, WHAR, PECS, LOOK, T50A, etc.







28d 5h

Table with columns: PDGK, Podgomoje, 0.19 343, P, Pg, 05 22 02.4 -1.0, etc. Lists various stations and their associated data points.

2020 OCT

Table with columns: PGF, SURF, MBDF, etc. Lists stations like Saint Urs, Montbardon, La Moure, etc., with associated data.

1570

Table with columns: VINCINA, HUAIQUIQUE, CHUMIZMA, etc. Lists stations like Vinchina, Huaiquique, Chumizma, etc., with associated data.



28d 6h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like DHRM, DHAMSHALA, NRN, UCH, EKS2, KK31, etc.

IDC 28 06:41:14.2±0.5, 6.84S, 153.93E, h0km, mb4.5/23, mbmp4.5/27, ML3.9/4, MS3.7/18, Error ellipse: s-maj=15.4km s-min=1.1km az=101.0, NEIC 28 06:41:16.1±1.8, 6.82S, 0.07E, 153.88E±0.06, h10km±1km, mb4.756, Error ellipse: s-maj=11.6km s-min=9.7km az=16.0, DJA 28 06:41:23.6±1.9, 7.5S, 8.15E, 1.1, h49km, 145km, M5.3/19, mb8.0/7, mb4.9/19, MLV5.3/1, Mw(mB)5.7/7, ISC 28 06:41:19.8±0.5, 6.82S±0.06, 153.84E±0.08, h3km, n115, ±c134/93, mb4.7/61, MS3.6/15, 1C, New Britain region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KRVT, RABL, HNR, PMG, etc.

2020 OCT

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PMTG, Charters Tower, CTA, CTAO, DZM, etc.

IDC 28 06:47:19.9±3.0, 4.64N, 123.07E, h614km±47km, mb3.2/10, mbmp4.3/10, Error ellipse: s-maj=66.6km s-min=9.7km az=68.0, ISC 28 06:47:18.8±0.8, 4.9N±0.1, 123.7E±0.2, h600km, n11, ±c1914/13, mb3.8/10, Celebes Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like VVND, VVND, EVN, etc.

1572

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MKAR, Makanchi Array, MKAR, DHY, NEA2, etc.

IDC 28 06:49:14.1±2.0, 8.31S, 112.56E, h92km±19km, mb3.8/10, mbmp4.3/13, MS3.2/1, Error ellipse: s-maj=21.7km s-min=11.8km az=38.0, DJA 28 06:49:15.8±0.1, 9.5S, 2.11E, h49km±5km, M5.0/57, mb5.6/12, mb5.0/15, MLV4.8/57, Mw(mB)5.1/12, NEIC 28 06:49:15.0±2.0, 8.52S±0.04, 112.43E±0.05, h85km±6km, mb4.1/15, Error ellipse: s-maj=6.8km s-min=5.6km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PWJI, Pagerwojo, PWJI, etc.



Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes entries like GTA2 Gaotai, GOMU GeErMu, FAKI Fak Fak, etc.

Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes entries like KEV Kevo, ARCES ARCESS Array B, MEEK Meekatharra, etc.

Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes entries like PV20 West Nyswonger, PV04 Paradox Valley, etc.

HEL 28 07 07:05:08.0,1.62:32N:25:67E, h0km, ML1.2, Suspected explosion, Finland

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes entries like KAF Kangasniemi, KEF Keuruu, etc.

IDC 28 07 31:28 1:0.5,0:44N,126:08E, h0km, mb4.3/16, m3maj=3/18, ML4.0/2, MS3.5/1, Error ellipse: s-maj=25.6km s-min=9.7km az=77.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes entries like TNTI Ternate, KMSI KMSI, etc.









28d 9h

Table with columns for station ID, name, elevation, and various status codes. Includes stations like P48A Milroy, OK048 Pawnee Station, S39A Bolivar, etc.

2020 OCT

Table with columns for station ID, name, elevation, and various status codes. Includes stations like SDCO Great Sand Dunes, SADO Sadova, WBO Williamsburg, etc.

1578

Table with columns for station ID, name, elevation, and various status codes. Includes stations like HVU Hansel Valley, BELA Belgrano 2, NV11 Mina Array St, etc.

Table with columns for call sign, name, frequency, mode, and status. Includes entries like DBIC Dimbokro, G04A Mulino, NVL Nizarevskaya, QSPA South Pole Qui, etc.

Table with columns for call sign, name, frequency, mode, and status. Includes entries like MAW Mawson, MAW Mawson, MAW Mawson, MAW Mawson, MAW Mawson, etc.

Table with columns for call sign, name, frequency, mode, and status. Includes entries like F21K Alatna River, ABTA Abfalterbach, H19K Roundabout Mo, F20K Avaraat Lake, etc.













Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like KVAR, SHTL, VSHL, BR101, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like TESR, ONER, KMPD, AK09, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like KLMR, STAL, KHC, KASPERSKA, etc.

RSNC 28 09:41:44.9:0.0,4'N:2'x7'5W, h20km,3km,M2.9,mb3.8, ML2.8
CATAC 28 09:41:46.6:0.3,4'N:2'x7'5W, h1km,M3.6/7,mb3.8/2,
MLV3:5/7, Error ellipse: s-maj=7.6km s-min=4.1km
az=104.4, confirmed
ISC 28 09:41:45.1:1.0,4.09N:0.02:74:97W:0.02, h7km,9km,n35,
R=1857/6h, Colombia

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like PRAC Prado, ARMEC Armenia, CVER Cruz Verde, URMIC La Uribe, NIZA Niza-Manizal, etc.

NEIC 28 09:52:38.4±1.1, 34.92S±0.04; 71.74W±0.1, h53km±10km, mb4.1/4, ML4.0(GUC), Error ellipse: s-maj=11.5km s-min=5.7km az=87.0

GUC 28 09:52:38.7±0.7, 34.92S±0.1; 71.69W±0.2, ML4.0, Presumed earthquake

ISC 28 09:52:38.3±0.8, 34.90S±0.04; 71.71W±0.05, h61km±6km, n66, c0592/90, 6D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like G005 Hualane, B003 Pichilemu, M002 Sierra Bellavi, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like PEL Peldehue, FCH Farellones, MT04 M. Olivares, ROCH El Roble, etc.

RSNC 28 09:55:56.4±0.0, 7°N, 4°7'3"W±, h139km±7km, M2.3, ML1.9 Northern Colombia

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like BARC Barichara, BRJC Barrancabermej, BRUC La Rusia, etc.

NEIC 28 10:06:25.9±1.1, 14.3N±0.1; 55.5E±0.1, h10km±1km, mb4.4/11, Error ellipse: s-maj=27.9km s-min=10.1km az=224.0

ISC 28 10:06:25.2±1.1, 14.29N±0.55; 55.6E±0.6, h0km, mb3.9/10, Error ellipse: s-maj=32.9km s-min=24.0km az=79.0

ISC 28 10:06:28.1±0.9, 14.3N±0.1; 55.5E±0.1, h22km, n30, c1500/26, mb4.0/14, Owen Fracture Zone region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like UOSS Minazif, RAYN Rayn, HRA Herat, KOPT Kop Dag, etc.

comp=Z,0.7nm,0.8s ASAR Alice Springs 85.36 116 P P 10 19 03.0 -1.2

GII 28 10:26:06.0±0.0, 31.89N±0.03; 35.728E±0.010, h0km, confirmed

JSO 28 10:26:06.7±0.3, 32°N±2.3' 6E±1, h4km±3km, M2.8/12, ML2.9/11, MLv2.8/12

ISC 28 10:26:05.4±0.8, 31.88N±0.02; 35.76E±0.04, h0km, n28, c075/51, Dead Sea region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like ALMO Almog, YITV Yitav, RGMN Argaman, HSUJ Al Zarqa, etc.

IDC 28 10:30:25.6±1.1, 13.29N±88.45W, h0km, mb3.4/5, mbtmp3.37, ML2.7/3, Error ellipse: s-maj=60.6km s-min=9.4km az=41.0

SNET 28 10:30:32.1±0.7, 12.88N±88.90W, h48km, ML4.0, Presumed earthquake

CATAC 28 10:30:32.4±0.3, 13°N±2.8' 9W±1, h27km±2km, M4.0/40, mb5.4/1, mb3.9/1, MLv4.0/40, Mw(mB)4.8/1, Error ellipse: s-maj=4.7km s-min=1.7km az=30.4, confirmed

GCG 28 10:30:33.0±0.6, 12.91N±88.92W, h42km±20km, MD4.7, Presumed earthquake

UCR 28 10:30:46.9±0.8, 12.37N±87.76W, h0km±337km, MW3.8, Presumed earthquake

ISC 28 10:30:32.2±1.0, 12.90N±0.05; 88.9W±0.03, h55km±9km, n89, c121/24, mb3.2/5, Off coast of central America

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like ALJI Alcaldia de J, TECO Alcaldia de Te, LALI Alcaldia de L, etc.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MTO3, JUAM, ESQI, SARH, etc.

SOME 28 10:32:03.7, 44.67N, 82.08E, h10km
NCC 28 10:32:07.4, 1.5, 44.68N, 81.98E, h0km, mb3.5, mpv3.1,
Error ellipse: s-maj=17.7km s-min=5.6km az=123.0,
Suspected Mining explosion.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DJR, KAPK, KASC, etc.

ARXS 14nm,0.5s eS Sb 10 33 39.5 -0.3

RSNC 28 10:35:44.9, 0.0, 5.3N, 3.7W, h148km, 5km, M3.9,
mb5.1, mb4.2, ML3.5, Mw(MB)4.5
IDC 28 10:35:45.0, 0.6, 5.28N, 73.69W, h156km, 3km, mb3.2/9,
mbmp3.8/10, Error ellipse: s-maj=18.5km s-min=11.0km
az=119.0

CATAC 28 10:35:46.1, 0.5, 5.3N, 3.7W, h143km, 5km, M4.1/11,
mb3.8/2, mb3.9/1, MLv4.3/11, Mw(MB)2.9/1, Error ellipse:
s-maj=7.9km s-min=4.9km az=118.1, confirmed
ISC 28 10:35:45.0, 0.7, 5.30N, 0.03, 73.73W, h158km, 5km,
n63, c130/103, mb3.3/9, Colombia

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SPBC, CHIC, ROSC, etc.

IDC 28 10:48:31.1, 5.0, 36.29N, 71.61E, h130km, 43km, mb3.4/9,
mbmp3.9/14, Error ellipse: s-maj=35.9km s-min=18.9km
az=28.0

NCC 28 10:48:36.0, 5.1, 36.84N, 70.90E, h183km, 58km, mb3.2,
mpv4.1, Error ellipse: s-maj=48.9km s-min=35.4km
az=49.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JMMU, ALCI, TSSA, etc.

AEIC 28 10:50:06.2, 1.4, 51.58N, 0.05, 175.68W, 0.04, h34km, 7km,
Error ellipse: s-maj=7.2km s-min=3.8km az=169.0
NEIC 28 10:50:07.5, 1.5, 51.60N, 0.05, 175.72W, 0.04, h35km, 2km,
mb3.5/2, ML3.6/12, ML3.1(AEIC), Error ellipse:
s-maj=8.8km s-min=4.2km az=356.0, Andreanof Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GSIG, GSMY, ETKA, etc.

28d 11h

Table with columns: ATKA, Atka Island, 1.12 57, Pn, 10 58 25.4 -1.3, Sn, 10 58 40.0 -0.9, IAML, 10 58 43.0, comp=N,631nm,0.3s, KOKL, Mount Kluhech, 1.19 52, Pn, 10 58 27.0 -0.7, Sn, 10 58 22.6 -0.1, KOWE, Korovin West, 1.19 49, Pn, 10 58 27.2 -0.5, Sn, 10 58 27.3 -0.8, KOPF, Korovin Flat P, 1.21 56, Pn, 10 58 43.9 +0.7, Sn, 10 58 29.4 0.0, TAPA, Tanaga Point A, 1.32 280, Pn, 10 58 47.2 +1.4, Sn, 10 58 29.9 -0.2, TAFI, Tanaga Flats, 1.36 277, Pn, 10 58 31.3 -0.1, Sn, 10 58 50.9 +1.5, TASE, Tanaga Southa, 1.46 280, Pn, 10 58 30.2 -0.2, Sn, 10 58 37.0 0.0, TANO, Tanaga North, 1.52 283, Pn, 10 58 37.9 +0.1, Sn, 10 59 01.8 +1.0, GANE, Gareloi Northe, 1.91 278, Pn, 10 58 38.3 +0.4, Sn, 10 58 51.3 +0.2, GANI, Gareloi North, 1.93 270, Pn, 10 58 51.0 0.0, Sn, 10 58 54.5 +0.4, GAKI, Gareloi-Kavalg, 1.93 270, Pn, 10 59 00.4 +0.2, Sn, 10 59 33.1 -1.1, GANO, Gareloi-North, 1.93 278, Pn, 10 59 41.1 +1.5, Sn, 10 60 46.2 +1.1, CEPSE, Semis Perret, 2.90 279, Pn, 10 00 50.0 +1.5, CESW, Semis Southa, 2.90 279, Pn, 10 00 53.9 +1.1, AMKA, Amchitka, 3.12 268, Pn, 10 00 56.5 +1.0, UNVA, Little Sitkin, 3.56 278, Pn, 10 01 08.1 +2.1, LSP, Unalaska Valle, 6.04 65, Pn, 10 01 36.2 -2.6, SPJA, Saint Paul Is, 6.43 28, Pn, 10 02 04.3, O1AK, Tiguikauvel M, 11.21 41, Pn, 10 02 03.7 -1.4, N1AK, Kusokwak Cree, 11.47 38, Pn, 10 02 13.8, O15K, Ungalikthiuk R, 11.78 44, Pn, 10 02 13.8, K13K, Kusilvak Mount, 11.98 26, Pn, 10 02 13.8, O16K, Kokwok River B, 12.75 44, Pn, 10 02 13.8, ILSW, Iliamna Southw, 15.15 48, Pn, 10 02 13.8, ILSW, Iliamna Southw, 15.15 48, Pn, 10 02 13.8, CAST, Castle Rocks, 17.23 38, Pn, 10 02 13.8, CAST, Castle Rocks, 17.23 38, Pn, 10 02 13.8, comp=Z,2.6nm,1.1s

IDC 28 11:16:44.6±2.5, 13°19'S; 166°52'E, h83km, 20km, mb3.7/8, mbmp4.1/11, MS3.3/3, Error ellipse: s-maj=24.6km s-min=15.4km az=55.0

ISC 28 11:16:40.3±0.9, 13.08S; 0.09:166.8E:0.1, h50km, n17, az=146/18, mb4.0/10, 3C, Vanuatu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s, ISC, HNR, Honiara, 7.65 298, Op, S, 11 18 31.6 +2.4, HNR, Honiara, 7.65 298, S, 11 19 53.1 -1.4, DZM, Mont Dzumac, 8.95 182, P, 11 18 50.0 +3.0, DZM, Mont Dzumac, 8.95 182, S, 11 20 25.2 -1.3, MSVF, Nonsavu, 11.78 115, P, 11 19 34.3 +8.5, MSVF, Nonsavu, 11.78 115, LR, 11 23 06.4, KRVT, Keravat (AS076), 17.01 300, LR, 11 27 33.8, URZ, Urewera, 26.70 162, LR, 11 31 10.9, STKA, Stephens Creek, 29.75 227, P, 11 25 44.6 -0.5, WRA, Warramunga Arr, 31.83 253, P, 11 22 59.4 -1.3, WRA, Warramunga Arr, 31.83 253, P, 11 25 50.0 -0.9, ASAR, Alice Springs, 32.88 247, P, 11 23 08.5 -1.3, ASAR, Alice Springs, 32.88 247, P, 11 25 52.8 -0.9, GSPA, South Pole Qui, 76.93 180, P, 11 28 27.6 +0.3, SONM, Songoing Array, 80.92 324, P, 11 28 50.8 +1.4, MAW, Mawson, 83.23 202, P, 11 29 00.4 -0.7, ILAR, Eielson Array, 85.11 18, P, 11 29 10.2 -0.3, TROLL, Troll, Antarti, 94.45 185, P, 11 29 54.0 -0.8, MKAR, Makanchi Array, 95.71 317, P, 11 30 01.5 +0.6, ZALV, Zalesovo Beam, 95.81 324, P, 11 29 59.9 -1.1, VNA3, Neumayer Olymp, 95.84 181, P, 11 29 59.1 -1.9, VNA2, Neumayer-Watz, 96.10 182, P, 11 30 01.9 -0.3

NOU 28 11:21:14.6±1.8, 18°05'S; 178°30'W, h520km, mb4.6/66, Fiji Islands Region

NEIC 28 11:21:15.2±1.0, 17°9'S; 0.1°178°34'W, h524km, 9km, mb4.7/34, Error ellipse: s-maj=17.3km s-min=16.6km az=133.0

GFZ 28 11:21:15.2±0.2, 18°5.4'±17°8'W, h522km, M4.6/30, mb4.6/30, confirmed

IDC 28 11:21:16.1±0.6, 18°05'S; 178°46'W, h534km, 6km, mb4.0/24, mbmp4.8/27, Error ellipse: s-maj=9.8km s-min=7.5km az=146.0

ISC 28 11:21:16.4±0.3, 17.96S; 0.06:178.34W:0.05, h550km, n265, az=57/275, mb4.7/74, 21C-8D, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s, ISC, LKBA, Tubou, Lakemba, 0.53 239, S, 11 22 17.7 -4.1, LKBA, Tubou, Lakemba, 0.53 239, S, 11 23 08.3 -6.7, TAVE, Taveuni, 1.95 309, S, 11 22 23.3 -3.7, TAVE, Taveuni, 1.95 309, S, 11 22 24.4 -5.3, DGTI, Dogotuki, 2.47 311, S, 11 22 24.4 -4.1, DGTI, Dogotuki, 2.47 311, S, 11 23 22.1 -5.0, MSVF, Nonsavu, 3.45 273, S, 11 23 35.5 -2.6, MSVF, Nonsavu, 3.45 273, P, 11 23 32.1 -2.4, MSVF, Nonsavu, 3.45 273, P, 11 23 32.2 -2.3, MSVF, Nonsavu, 3.45 273, P, 11 23 32.6 -1.9, FUTU, Fugatoga, 3.63 3, P, 11 23 32.4 -3.4, FUTU, Fugatoga, 3.63 3, P, 11 23 32.0 -3.8, FUTU, Fugatoga, 3.63 3, P, 11 23 32.3 -3.5, AFI, Afiamala, 7.48 58, P, 11 23 04.4 -4.9, AFI, Afiamala, 7.48 58, P, 11 24 31.4 -10, NIUE, Niue, 8.05 99, S, 11 23 12.0 -2.7, NIUE, Niue, 8.05 99, S, 11 24 46.9 -4.8, NIUE, Niue, 8.05 99, S, 11 23 12.0 -2.7, NIUE, Niue, 8.05 99, P, 11 23 12.4 -2.3, FUNA, Funafuti, 9.68 345, P, 11 23 28.8 -2.4, FUNA, Funafuti, 9.68 345, P, 11 23 29.0 -2.2, MARC, Mare, Loyalty, 13.31 253, P, 11 24 06.2 -2.3, SARCO, Saracouti, 14.08 278, P, 11 24 14.2 -2.3, PINNC, Pines Island, 14.12 248, P, 11 24 14.5 -2.4, YATNC, Yantis Plateau, 14.47 251, P, 11 24 19.1 -1.4, DZM, Mont Dzumac, 14.88 252, P, 11 24 21.4 -3.4, NOUC, Port Laguerre, 15.01 252, P, 11 24 24.6 -1.5, RAR, Rarotonga, 17.79 104, P, 11 24 52.5 +0.1, OUZ, Omahuta, 18.63 201, P, 11 24 59.3 -0.6, OUZ, Omahuta, 18.63 201, P, 11 25 01.1 +1.2, URZ, Urewera, 20.62 190, P, 11 25 15.5 -2.4, URZ, Urewera, 20.62 190, P, 11 25 15.5 -2.4, URZ, Urewera, 20.62 190, P, 11 25 16.0 -1.9, URZ, Urewera, 20.62 190, P, 11 25 15.6 -2.3

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Table with columns: BKZ, Black Stump Fm, 21.61 191, P, 11 25 25.7 -1.2, BFZ, Birch Farm, 23.12 191, P, 11 25 39.4 -1.0, TATA, Tatamba Isabel, 23.29 291, P, 11 25 42.5 +0.3, QNZ, South Korori, 24.03 193, P, 11 25 46.8 -1.6, ORZ, Quaker Range, 24.11 197, P, 11 25 48.1 -1.0, KHZ, Kahurata, 25.34 194, P, 11 25 59.2 -0.8, PPT, Papeete, 27.38 94, P, 11 26 18.3 0.0, PPTF, Pamatai, Papee, 27.39 94, P, 11 26 18.1 -0.4, PPTF, Pamatai, Papee, 27.39 94, P, 11 26 19.4 +0.9, JCZ, Jackson Bay, 28.21 200, P, 11 26 24.4 -0.9, TWH, Teiwcoomba 1 Ha, 28.93 245, P, 11 26 31.7 +0.1, EIDS, Eidsvold, 29.32 250, P, 11 26 34.7 -0.4, EIDS, Eidsvold, 29.32 250, P, 11 26 35.0 -0.1, EIDS, Eidsvold, 29.32 250, P, 11 26 34.6 -0.4, ARMA, Armidale, 29.98 240, P, 11 26 40.3 -0.6, ARMA, Armidale, 29.98 240, P, 11 26 41.6 +0.7, ARMA, Armidale, 29.98 240, Iamb, Iamb, 11 26 42.3, ARMA, Armidale, 29.98 240, P, 11 26 40.9 +0.1, MGCD, Mangrove Creek, 31.32 235, P, 11 26 51.7 -0.5, CTA, Charters Tower, 33.51 261, P, 11 27 10.7 -0.3, CTA, Charters Tower, 33.51 261, P, 11 27 10.9 -0.1, CTA, Charters Tower, 33.51 261, P, 11 27 10.7 -0.3, CTA, Charters Tower, 33.51 261, P, 11 27 10.7 -0.3, CAN, Canberra, 33.73 233, P, 11 27 13.2 +0.5, CAN, Canberra, 33.73 233, Iamb, Iamb, 11 27 14.0, CAN, Canberra, 33.73 233, P, 11 27 12.9 +0.2, CAN, Canberra, 33.73 233, P, 11 27 19.5 -0.1, PMG, Port Moresby, 34.54 280, P, 11 27 20.1 +0.5, PMG, Port Moresby, 34.54 280, P, 11 27 19.5 -0.1, PMG, Port Moresby, 34.54 280, P, 11 27 20.2 +0.5, PMG, Port Moresby, 34.54 280, P, 11 27 20.2 +0.5, CMSA, Cobar Meteorol, 35.19 241, P, 11 27 25.0 +0.2, CMSA, Cobar Meteorol, 35.19 241, P, 11 27 25.1 +0.3, MTSU, Mount Surprise, 35.47 264, P, 11 27 27.4 0.0, MTSU, Mount Surprise, 35.47 264, P, 11 27 27.1 -0.4, QLP, Quilpie, 35.58 249, P, 11 27 28.0 -0.2, QLP, Quilpie, 35.58 249, P, 11 27 27.9 -0.2, MANU, Manus Island, 37.18 291, P, 11 27 42.1 +0.6, MANU, Manus Island, 37.18 291, Iamb, Iamb, 11 27 43.4, TOO, Toolangi, 37.19 231, P, 11 27 41.4 0.0, TOO, Toolangi, 37.19 231, Iamb, Iamb, 11 27 43.0, BRAT, Bratton, 38.34 232, P, 11 27 51.3 +0.7, STKA, Stephens Creek, 38.67 241, P, 11 27 53.5 +0.1, STKA, Stephens Creek, 38.67 241, P, 11 27 53.9 +0.5, STKA, Stephens Creek, 38.67 241, P, 11 27 54.2 +0.8, INKA, Innaminka, 38.79 248, P, 11 27 55.0 +0.5, INKA, Innaminka, 38.79 248, Iamb, Iamb, 11 27 56.3, QIS, Mount Isa, 39.71 259, P, 11 28 01.4 -0.6, QIS, Mount Isa, 39.71 259, P, 11 28 01.2 -0.8, HTT, Hallett, 41.18 240, P, 11 28 13.5 -0.1, JAY, Jayapura, 42.99 286, P, 11 28 28.4 +0.4, KHLU, Kahlalu u, 43.48 211, S, 11 28 28.1 -2.5, BBOO, Buckleboo, 43.44 241, P, 11 28 31.7 +0.4, BBOO, Buckleboo, 43.44 241, P, 11 28 31.7 +0.4, BBOO, Buckleboo, 43.44 241, P, 11 28 31.7 +0.4, GENI, Genyem, 43.45 286, P, 11 28 31.8 +0.3, GENI, Genyem, 43.45 286, P, 11 28 32.2 +0.6, WBO, Warramunga Arr, 44.66 260, P, 11 28 39.8 -1.1, WRAB, Tennant Creek, 44.68 260, P, 11 28 40.4 -0.6, WRAB, Tennant Creek, 44.68 260, Iamb, Iamb, 11 28 40.1 -1.0, WRAB, Tennant Creek, 44.68 260, P, 11 28 40.2 -0.8, WRAB, Tennant Creek, 44.68 260, P, 11 28 40.2 -0.8, WRA, Warramunga Arr, 44.68 260, P, 11 28 40.1 -1.0, WRA, Warramunga Arr, 44.68 260, S, 11 34 36.5 -1.6, WRA, Warramunga Arr, 44.68 260, P, 11 28 39.9 -1.2, ASO1, Alice Springs, 44.84 254, P, 11 28 41.7 -0.2, ASO1, Alice Springs, 44.84 254, P, 11 28 42.2 0.0, ASAR, Alice Springs, 44.84 254, P, 11 28 42.1 -0.1, ASAR, Alice Springs, 44.84 254, S, 11 34 38.6 -1.6, MTN, Mantion Dam, 48.87 268, P, 11 29 12.1 -0.5, MTN, Mantion Dam, 48.87 268, Iamb, Iamb, 11 29 13.1, FORT, Forrest, 50.05 245, P, 11 29 21.1 -0.1, FORT, Forrest, 50.05 245, Iamb, Iamb, 11 29 21.8, KNRA, Kununurra, 50.55 264, P, 11 29 24.8 -0.1, KNRA, Kununurra, 50.55 264, Iamb, Iamb, 11 29 25.9, FAKI, Fak Fak, 50.66 281, P, 11 29 25.3 -0.5, FAKI, Fak Fak, 50.66 281, Iamb, Iamb, 11 29 25.9, SIJI, Sorong, 52.31 283, P, 11 29 38.0 +0.2, SIJI, Sorong, 52.31 283, P, 11 29 38.1 +0.3, FITZ, Fitzroy Crossi, 53.09 261, P, 11 29 43.5 +0.3, FITZ, Fitzroy Crossi, 53.09 261, P, 11 29 43.8 +0.6, SOEI, Soe, 56.14 270, P, 11 30 05.4 +0.6, SOEI, Soe, 56.14 270, P, 11 30 06.7 +1.9, SANI, Sanana, 56.82 280, P, 11 30 09.2 -0.1, SANI, Sanana, 56.82 280, P, 11 30 09.4 +0.1, MBWA, Marble Bar, 58.13 256, P, 11 30 18.2 +0.1, MBWA, Marble Bar, 58.13 256, Iamb, Iamb, 11 30 19.1, MBWA, Marble Bar, 58.13 256, P, 11 30 17.9 -0.3, MEEK, Meekatharra, 58.48 249, P, 11 30 20.3 -0.2, MEEK, Meekatharra, 58.48 249, P, 11 30 20.5 0.0, EDFI, Ende, Flores, 58.86 271, P, 11 30 23.2 -0.1, KLBR, Kellerberrin, 58.87 244, P, 11 30 23.2 +0.2, KLBR, Kellerberrin, 58.87 244, P, 11 30 23.2 +0.2, SBA, Scott Base, 60.38 184, P, 11 30 35.0 +2.8, SBA, Scott Base, 60.38 184, P, 11 30 34.0 +1.9, VNSA, Vanda, 60.40 185, P, 11 30 33.8 +1.5, VNSA, Vanda, 60.40 185, P, 11 30 34.2 +1.9, VNSA, Vanda, 60.40 185, P, 11 30 34.0 +1.7, MORW, Morawa, 60.53 246, P, 11 30 34.5 +0.5, MORW, Morawa, 60.53 246, P, 11 30 34.8 +0.7, MORW, Morawa, 60.53 246, P, 11 30 34.1 0.0, LBFI, Labuan Bajo, 60.65 270, P, 11 30 35.1 +0.1, DBNI, Kabupaten Domp, 62.14 270, P, 11 30 44.9 +0.1, PLAI, Plampang, 62.56 269, P, 11 30 47.8 +0.2

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Table with columns: GIRL, Giralda, 62.95 253, P, 11 30 51.6 +1.7, MMSI, Mamuju, 63.28 276, P, 11 30 53.3 +1.1, TWSI, Taliwang, Sumb, 64.44 269, P, 11 30 55.5 +0.3, JMZ, Minamidaito Z, 65.56 310, P, 11 31 07.5 +1.2, CASY, Casey, 66.12 205, P, 11 31 10.3 +1.2, CASY, Casey, 66.12 205, Iamb, Iamb, 11 31 11.1, CASY, Casey, 66.12 205, P, 11 31 09.8 +0.7, MJAR, Matsushiro Arr, 67.99 323, P, 11 31 21.0 -0.1, ADK, Adak, 69.95 3, P, 11 31 31.1 +1.0, UGM, Utoagaama, 69.95 3, P, 11 31 32.7 +0.7, ATKA, Atka Island, 69.95 3, P, 11 31 32.9 +0.4, SHEM, Shemya Is, Ala, 70.69 355, P, 11 31 37.4 +0.6, JKA, Kamikawa-asahi, 71.35 331, P, 11 31 43.9 +2.9, GSPA, South Pole Qui, 72.10 180, P, 11 31 46.2 +1.1, GSPA, South Pole Qui, 72.10 180, P, 11 33 36.4 -2.4, GSPA, South Pole Qui, 72.10 180, P, 11 31 46.4 +1.2, GSPA, South Pole Qui, 72.10 180, Iamb, Iamb, 11 31 47.8, GSPA, South Pole Qui, 72.10 180, P, 11 31 46.7 +1.6, BBJI, Bungbulang, 72.57 268, P, 11 31 48.7 -0.1, PETK, Petropavlovsk, 73.44 346, P, 11 31 54.2 +1.5, PETK, Petropavlovsk, 73.44 346, P, 11 31 53.2 +0.5, PETK, Petropavlovsk, 73.44 346, P, 11 31 53.5 +0.6, PETK, Petropavlovsk, 73.44 345, P, 11 31 55.6 +1.1, PETK, Petropavlovsk, 73.44 345, P, 11 31 55.1 +0.9, OHAK, Old Harbor, 77.76 14, P, 11 32 18.1 +1.5, OHAK, Old Harbor, 77.76 14, Iamb, Iamb, 11 32 18.8, NJ2, Nanjing, 78.02 309, P, 11 32 21.3 +2.7, NJ2, Nanjing, 78.02 309, Pmax, Pmax, 11 32 21.3 +2.7, KDAK, Kodiak Island, 78.43 14, P, 11 32 22.2 +2.0, MDPB, Devils Postpil, 78.46 44, P, 11 32 22.6 +1.4, NVAR, Mina Aray Bay, 79.41 44, P, 11 32 28.6 +2.4, NVAR, Mina Aray Bay, 79.41 44, P, 11 34 22.1 -0.6, O18K, Koktuh Hills, 79.79 12, P, 11 32 28.1 +0.8, O18K, Koktuh Hills, 79.79 12, Iamb, Iamb, 11 32 29.4, BNX, BinXian, 80.17 325, P, 11 32 31.5 +1.8, MA2, Magadan, 81.26 345, P, 11 32 34.9 -0.1, WYOR, Wild Horse Vall, 81.40 40, P, 11 32 38.7 +2.4, TUSC, Tussock Hills, 81.67 52, P, 11 32 41.1 +3.2, BELA, Belgrano 2, 82.11 173, P, 11 32 40.3 +1.1, BELA, Belgrano 2, 82.11 173, Iamb, Iamb, 11 32 41.1, IPM, Ippolito Island, 82.50 277, P, 11 32 43.5 +1.1, EYAK, Cordova Ski Ar, 82.53 16, P, 11 32 42.7 +1.3, PMR, Palmer, 82.63 14, P, 11 32 42.6 +0.7, MAW, Mawson, 83.84 200, P, 11 32 48.9 +1.0, MAW, Mawson, 83.84 200, P, 11 32 49.5 +1.5, MAW, Mawson, 83.84 200, P, 11 32 49.5 +1.5, SEY, Seymchan, 83.84 347, P, 11 32 48.9 +1.0, COLA, College, 85.81 13, P, 11 32 58.8 +1.4, COLA, College, 85.81 13, P, 11 32 58.5 +1.1, COLA, College, 85.81 13, P, 11 32 58.8, COLA, College, 85.81 13, P, 11 32 58.0 +0.6, DLBC, Dease Lake, 85.85 23, P, 11 32 59.5 +1.6, ILAR, Eielson Array, 85.92 13, P, 11 32 58.6 +0.7, ILAR, Eielson Array, 85.92 13, P, 11 34 55.4 -1.4, TXAR, Trossell, 86.56 58, P, 11 33 02.3 +3.2, TXAR, Trossell, 86.56 58, P, 11 34 57.3 -0.5, PDAR, Pinedale Array, 87.34 43, P, 11 33 07.5 +2.0, PDAR, Pinedale Array, 87.34 43, P, 11 33 07.5 +2.0, HHC, Huo-hao-tse, 87.36 314, P, 11 33 05.3 -0.2, HHC, Huo-hao-tse, 87.36 314, Pmax, Pmax, 11 33 05.3 -0.2, BMAR, Burnt Mountain, 88.69 12, P, 11 33 12.5 +1.5, CMAR, Chiang Mai Arr, 88.97 290, P, 11 33 14.9 +1.5, CMAR, Chiang Mai Arr, 88.97 290, P, 11 35 11.8 -1.9, ELIB, Princess Elisa, 89.12 187, P, 11 33 14.0 +0.8, TROLL, Troll, Antarti, 89.26 180, P, 11 33 19.2 -0.8, SNAA, Sanaa, 90.55 179, P, 11 33 20.2 +0.4, SNAA, Sanaa, 90.55 179, P, 11 33 20.4 +0.6, VNA3, Neumayer Olymp, 90.69 176, P, 11 33 20.8 +0.4, VNA3, Neumayer Olymp, 90.69 176, P, 11 33 21.4 +1.1, G31M, Satah River, 90.69 16, P, 11 33 21.5 +1.3, G31M, Satah River, 90.69 16, Iamb, Iamb, 11 33 22.4, VNA2, Neumayer-Watz, 91.13 177, P, 11 33 23.1 +0.8, VNA2, Neumayer-Watz, 91.13 177, P, 11 33 23.7 +1.4, F31M, Tsigitharra, 91.21 16, P, 11 33 24.4 +1.8, VNA1, Neumayer-Stat, 91.35 177, P, 11 33 25.3 +1.9, INK, Inuvik, 91.91 15, P, 11 33 26.9 +1.2, INK, Inuvik, 91.91 15, P, 11 33 27.0 +1.2, YKA, Yellowknife Ar, 94.35 25, P, 11 33 38.1 +1.1, JUD3, Juan Diaz 3, 95.71 81, P, 11 33 42.9 -1.5, BVAR, Borovoye Array, 116.93 321, P, 11 38 59.6 +0.9, ARCS, Arctics Array S, 126.38 350, P, 11 39 18.3 +1.5, AKASA, Malin Aray Be, 140.64 332, P, 11 39 44.6 -1.6, KWP, Kalwarja Paca, 144.14 337, P, 11 39 49.2 -0.6, BURP, Buorvaya Aray, 144.69 332, P, 11 39 50.6 -1.4, BIZ, Bizac, 144.79 331, P, 11 39 53.7 -1.3, TESR, Tescani, 144.84 330, P, 11 39 50.8 -1.5, BRTR, Keskin Aray B, 144.87 315, P, 11 39 52.0 0.0, BR104, Keskin Aray S, 144.87 315, P, 11 39 52.0 -0.9, BR106, Keskin Aray S, 144.88 315, P, 11 39 51.4 -1.5, KOLS, Kolonicke sedl, 144.88 336, P, 11 39 54.5 -0.6, TPGR, Topolog, 145.08 326, P, 11 39 54.4 -1.2, ONER, Baraj Valea Uz, 145.39 320, P, 11 39 53.0 -1.4, UZHM, Uzhgorod, 145.12 336, P, 11 39 51.9 -1.4



28d 12h

Table with columns: TBI, Tubeai, 39.90 13 eS, S, 12 16 28.7 +3.4, etc. Lists various astronomical objects and their properties.

2020 OCT

Table with columns: MRKS, 8.4nm, 0.3s, Lg, Lg, 12 14 53.9, etc. Lists astronomical objects with their magnitudes and positions.

1590

Table with columns: JKA, DL2, DL2, 12.65 17 P, P, 12 26 24.4 +0.1, etc. Lists astronomical objects with their magnitudes and positions.

SOME 28 12:12:47.7, 39:20N:75:83E, h20km
KRNET 28 12:12:48.8-0.1, 39:09N:76:13E, mb3.5

NINC 28 12:12:54.8-3.9, 39:50N:76:14E, h0km, mb3.6, mpv3.1,
Error ellipse: s-maj=27.7km s-min=16.1km az=160.0

ISC 28 12:12:50.2, 1.9, 39:27N, 0:09, 76:11E, 0:04, h10km, n27,
#271/45, 20C-4D, Southern Xinjiang

Table with columns: Code, Station Name, Az, Phase ID, Time Res, etc. Lists station information for the 28d 12h period.

J33M 28 12:23:37.7, 0.2, 32°N, 137°5E, 0.8, h422km ± 1km,
MV3, 9/51, FAR S OFF TOKAI DISTRICT

NIED 28 12:23:37.7, 32°16'N, 137°54'E, h422km, MW4.3, Moment
Tensor Solution, s3 Moment tensor: Scale 1015Nm;

Mn: 1.13, Mb: 0.17, Mw: 1.30, Me: 1.24, Mb: 0.32, Mw: 2.08;
Fault plane: SCD=12.730°x1015 NP: 18.000°x1.4

δ16.00000°, λ: 126.00000°. NP2: 151.00000°, δ: 77.00000°,
λ: 80.00000°

IDC 28 12:23:37.0, 0.2, 32°16'N, 137°47'E, h412km, 5km, mb3.5/23,
mbmp4.2/30 Error ellipse: s-maj=9.2km s-min=8.9km

az=150.0
NEIC 28 12:23:38.6, 1.2, 32°2'N, 0°1', 137°5E, 0.1, h413km ± 7km,
mb4.2/18.4, Error ellipse: s-maj=17.1km s-min=12.9km

az=130.0
GFZ 28 12:23:38.0, 0.2, 32°N, 137°E, h414km, M4, 7/26,
mb4, 4/26, confirmed

ISC 28 12:23:38.0, 0.6, 32°10'N, 0°06', 137°48'E, 0.05, h414km, 5km,
n254, #882/201, mb4.2/130, 2D, Southeast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time Res, etc. Lists station information for the 2020 OCT period.

33M 28 12:23:38.0, 0.6, 32°10'N, 0°06', 137°48'E, 0.05, h414km, 5km,
n254, #882/201, mb4.2/130, 2D, Southeast of Honshu

Code Station Name Az Phase ID Time Res

Table with columns: Code, Station Name, Az, Phase ID, Time Res, etc. Lists station information for the 1590 period.







Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JOTO OTAMA OYAMA, JIK Ise, JYK Kaneyama, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CO02 Combarbal, CO02 Combarbal, CO02 Combarbal, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AC05 comp=Z,247nm,1.1s, AC05 EY Transito, etc.

IDC 28 13:23:28.6:3.5, 57.70N:22.69E, h0km, mbtm3.0/4, ML1.9/4, Error ellipse: s-maj=33.4km s-min=13.4km az=165.0

HEL 28 13:23:31.5:0.1, 57.97N:22.45E, h0km, ML1.8, Explosion EST 28 13:23:31.4:0.1, 57.97N:22.45E, h0km, ML1.8(HEL), Explosion

LVSN 28 13:23:34.2:4.2, 57.81N:22.52E, h0km, 23km, ML2.0, Presumed earthquake

ISC 28 13:23:30.1:0.8, 57.99N:0.03:22.47E, h0km, m29, s=116/45, Baltic Sea-Belarus-Northwestern Russia

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Code Station Name, Slitere, Latvi, Slitere, Latvi, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CO05 La Serena, CO05 La Serena, CO05 La Serena, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AC05 comp=Z,247nm,1.1s, AC05 EY Transito, etc.

WEL 28 13:51:02.9:1.2, 32.3'S:27.179'E, 6, h422km, 46km, mB4.2/7, MLV4.3/7, Mw(B)3.2/7, Error ellipse: s-maj=91.9km s-min=18.2km az=109.8, confirmed, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Code Station Name, MXZ Matakaoa Point, MXZ Matakaoa Point, etc.





28d 14h

Table with columns for station name, frequency, power, and other technical details. Includes stations like QIS Mount Isa, BFZ Birch Farm, and various South Karori stations.

2020 OCT

Table with columns for station name, frequency, power, and other technical details. Includes stations like TAU Tasmania Unive, WAKE Wake Island, and various Tasmanian Unive stations.

1596

Table with columns for station name, frequency, power, and other technical details. Includes stations like BATI Baumata, MMRI Maumera, and various other stations in the 1596 MHz band.



28d 14h

Table with columns for station call signs (e.g., BNK, GRNR, TSI), frequencies, and signal quality indicators (SS, SS, P, P, etc.).

2020 OCT

Table with columns for station call signs (e.g., BTO2, SII, TNCH, SEY), frequencies, and signal quality indicators (pmx, pmx, P, P, etc.).

1598

Table with columns for station call signs (e.g., ZIRO, RC01, GTA2, K20K), frequencies, and signal quality indicators (ix, x, P, P, etc.).



1599

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like LSA Lhasa, HATC Hat Creek Radi, WRH Wood River Hill, etc.

2020 OCT

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like BWNR Bhubaneshwar, JRO Joston Ridge Ob, FURC Furnace Creek, etc.

28d 14h

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like PMSA Palmer Station, HVU Hansel Valley, X18A Snowflake, etc.



Table with columns for station name, frequency, power, and various technical parameters. Includes stations like ISPARTA, UZHGOROD, STEBNICKA HUTA, OJOC, NIEDZICA, etc.

Table with columns for station name, frequency, power, and various technical parameters. Includes stations like ZVCC, KRNUPNIK, ALLENSTEIN, ABNA, etc.

Table with columns for station name, frequency, power, and various technical parameters. Includes stations like ABTA, WLF, WLF, WLF, WLF, etc.

CATAC 28 14:53:09.4.0.9, 29'S, 2.7'W, h17km, 56M, 16/17, m5.87, m6.17, MLV6.8/5, Mw(MB)5.8/7, Mw(Mw)5.3/5, Mw(Mw)5.5, Error ellipse: s-maj=14.0km s-min=4.8km az=93.1, confirmed. PTWC 28 14:53:09, 29'S, 30'S, 71'30'W, h65km, 65M, 5.6/5.6

28d 14h

BJJ 28 14:53:09.6, 29:20'S:71:59'W, h45km, mB5.7/25, Ms5.7/43, M5.7 5/46
GFZ 28 14:53:10.3, 29:28'S:71:11'W, h53km, Mw5.7/57, Moment Tensor Solution. Moment tensor: Scale 10^17 Nm; M1: 3.20; M2: 0.24; M3: -3.44; M4: -1.09; M5: -1.43; M6: 3.39; Fault plane solution: Ms: 0.7532x10^17 NP1: 222.70312; 830.27925; 134.22635. NP2: 354.28320; 868.81900; 167.84167. Principal axes: T 5.1265, Plg60.0120, Azm232.0349; N -0.1040, Plg20.5966, Azm2.6538; P -5.0225, Plg20.8028, Azm100.6596.
SJA 28 14:53:10.3, 29:34'S:71:38'W, h50km, mB5.8, Mw5.4 VAO 28 14:53:10.0, 0.5, 29:31'S:71:14'W, h46km, 3km, mB5.7, Presumed earthquake
MOS 28 14:53:10.8, 1.2, 29:26'S:71:09'W, h49km, mB5.9/33, MS5.2/4, Error ellipse: s-maj=1.2km s-min=7.1km az=97.3
NEIC 28 14:53:10.8, 29:33'S:71:25'W, h46km
NEIC 28 14:53:11.4, 1.1, 29:32'S:0:03'71:24'W, 0.05, h50km, 1km, mB5.8/708, Ms 20.5/3164, MwB5.8/79, MwV5.7/78, MwV5.8/38, MwV5.8(GUC), Error ellipse: s-maj=8.7km s-min=4.6km az=298.0, Moment Tensor Solution. Moment tensor: Scale 10^17 Nm; M1: 17; M2: 0.04; M3: -1.13; M4: 0.64; M5: 0.06; M6: -4.15; Fault plane solution: M1: 7.45000x10^17 NP1: 354.88000; 862.18000; 185.76000. NP2: 183.91000; 828.11000; 197.98000. Principal axes: T 7.4851, Plg72.0000, Azm255.0000; N -0.0788, Plg4.0000, Azm357.0000; P -7.4063, Plg17.0000, Azm88.0000; Moment Tensor Solution. Moment tensor: Scale 10^17 Nm; M1: 2.45; M2: 0.36; M3: -2.81; M4: 0.64; M5: -1.18; M6: 3.03; Fault plane solution: M1: 2.5000x10^17 NP1: 223.21000; 827.88000; 134.07000. NP2: 355.61000; 870.37000; 169.80000. Principal axes: T 4.1465, Plg60.0000, Azm233.0000; N 0.1907, Plg19.0000, Azm3.0000; P -4.3372, Plg23.0000, Azm119.0000.
GFZ 28 14:53:11.5, 0.1, 29:31'S:71:17'W, h48km, 1km, M5.7/70, mB5.7/70, Error ellipse: s-maj=5.2km s-min=3.0km az=82.0, confirmed
NEIC 28 14:53:11.2, 29:31'S:71:23'W, h49km
NEIC 28 14:53:11.2, 29:31'S:71:23'W, h49km
GUC 28 14:53:11.2, 0.7, 29:33'S:71:20'W, h60km, 3km, M5.9, Presumed earthquake
IDC 28 14:53:12.0, 0.3, 29:33'S:71:13'W, h55km, 2km, mB5.2/21, mbpm5.4/26, MS5.1/51, Error ellipse: s-maj=11.2km s-min=7.3km az=61.0
GCMT 28 14:53:14.4, 0.1, 29:31'S:0:01'71:24'W, 0.01, h62km, MW5.8/153, Moment Tensor Solution. s151,c281; s153,c420; Duration: 159. Moment tensor: Scale 10^17 Nm; M1: 3.20; M2: 0.24; M3: -3.44; M4: -1.09; M5: -1.43; M6: 3.39; Fault plane solution: Ms: 0.7532x10^17 NP1: 222.70312; 830.27925; 134.22635. NP2: 354.28320; 868.81900; 167.84167. Principal axes: T 5.1265, Plg60.0120, Azm232.0349; N -0.1040, Plg20.5966, Azm2.6538; P -5.0225, Plg20.8028, Azm100.6596.
ISC 28 14:53:11.1, 0.2, 29:32'S:0:02'71:27'W, 0.03, h51km, 1km, h51km, p-P, N1213, s161/996, mB5.8/388, MS5.3/124, 40C-160, Near central of Chile

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Rows include stations like Las Campanas, La Serena, Tololo Observa, El Transito, Copiapo, etc.

2020 OCT

Main table of seismic events for October 2020. Columns include event ID (e.g., AC02, ZON, TINO), magnitude (e.g., 3.11, 3.11, 3.11), time (e.g., 14 54 51.1), location (e.g., Maricunga, Maricunga, Zonda), and other parameters like depth and quality factors.

1602

Table of seismic events for station 1602. Columns include station name (e.g., LPAZ, LLO2, COIM), magnitude (e.g., 13.29, 13.82), time (e.g., 13 29 13 eP), location (e.g., La Paz, Futaleuf, Futaleuf), and other parameters.

Table with columns for station name, frequency, power, and other technical details. Includes stations like OTAV Otavalo, CMBC Cumbal, POPC Popayan, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like VMAR Armenia, Volca, CANAL Canalete, VORLE La Escondida, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like HKT Hockley, HKT Hockley, GOGA Godfrey, etc.





1605

Table with columns: NVAR, Mina Array Bea, 80.45 324 P, P, 15 05 19.0 +1.4, comp=Z,2.0nm,0.8s,baz=155,slow=6.4,SNR=99

2020 OCT

Table with columns: KRMB, Red Mountain, 85.63 323 Iamb, Iamb, 15 05 47.0, comp=Z,4.6nm,0.8s

28d 14h

Table with columns: SHUK, Shukan-Mt. Ba, 89.90 329 Iamb, Iamb, 15 06 06.1, comp=Z,3.8nm,1.2s







Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CO05, G004, AC05, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MKAZ, HZ, RTZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PB03, PB03, PB03, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like IDC 28, NEIC 28, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SJA 28, NEIC 28, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like JAOC, JAOC, JAOC, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JFK, H1S3, H1S1, H1S2, WRA, ASAR.

ISU 28 16:28:25.41:60N:71:46E, h10km
KRNET 28 16:28:26.4:0.1,41:45N:71:46E, h13km, mb2.8
SOME 28 16:28:27.3:41:60N:71:30E, h10km
ISC 28 16:28:25.6:1.2,41:57N:0:00:3:71:42E:0.02, h1km, 10km, n28, r:134/55, 25C-9D, Kyrgyzstan

Main table for 28 18h section, listing stations from ARK to KST with their respective coordinates and phases.

AEIC 28 17:01:11.3:2.9, 51:38N:0:04:178:36W:0.02, h9km, 5km, Error ellipse: s-maj=5.5km s-min=1.8km az=181.0
NEIC 28 17:01:10.1:0.8, 51:26N:0:04:178:37W:0.02, h16km, 5km, ML2.8/12, ML2.4(AEIC), Error ellipse: s-maj=5.9km s-min=1.8km az=176.0, Androanof Islands

Table for AEIC and NEIC stations, including GAKI, GALAA, GAEA, TASE, GANO, TAPA, KIND, KIWB, ADK, ADG, ATKA, ATKA, S34M.

ISAP 28 17:28:29.9, 22:21N, 121:37E, h7km, ML3.6, C
ISC 28 17:28:30.3:1.0, 22:23N:0:02:121:37E:0.02, h7km, gkm, n162, r:08/88/240, 2C-11, Taiwan region

Table for ISAP and ISC stations, including LAY, LYUB, LDUT, TAW, TAWH.

Main table for 2020 OCT section, listing stations from TAWH to WHP with their respective coordinates and phases.

Table for 1610 section, listing stations from WHP to SKFX with their respective coordinates and phases.

IDC 28 18:17:55.9:1.9, 33:43N:141:46E, h0km, mb3.2/2, mbmp3.1/3, ML1.8/1, Error ellipse: s-maj=30.5km s-min=18.4km az=58.0
JMA 28 18:02:0.0:1.1, 33:5N:0:7:141:1E:0:5, h40km, 1km, MV2.5/28, E OFF HACHUJIMA ISLAND
ISC 28 18:02:1.5:5, 33:47N:0:07:141:1E:0:1, h48km, n11, r:05/70/14, Off east coast of Honshu

Table for IDC, JMA, and ISC stations, including Code, Station Name, Azimuth, Phase ID, Time, Res.

NEIC 28 18:34:26.7:2.3, 29:4N:0:2:80:9E:0:1, h10km, 1km, mb4.2/10, Error ellipse: s-maj=31.4km s-min=13.3km az=216.0
IDC 28 18:34:27.4:1.7, 29:62N:81:79E, h0km, mb3.5/7, mbmp3.5/9, ML3.8/2, MS3.8/1, Error ellipse: s-maj=60.7km s-min=18.3km az=65.0
NDI 28 18:34:29.4:2.7, 29:32N:80:96E, h10km, ML4.2, MW4.0, Presumed earthquake

Table for NEIC, IDC, and NDI stations, including Code, Station Name, Azimuth, Phase ID, Time, Res.

DMN 28 18:34:29.2:0.3, 29:49N:80:85E, h10km, M4.2/9, Error ellipse: s-maj=16.4km s-min=6.0km az=24.0
ISC 28 18:34:27.3:0.5, 28:41N:0:04:80:93E:0:03, h17km, n53, r:2512/67, mb3.8/11, Nepal-India border region

Table for DMN and ISC stations, including Code, Station Name, Azimuth, Phase ID, Time, Res.







Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for stations like Arslanbob, Sufi-Kurgan, Tian-Shan, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for stations like Enshi, Son La, Lanzhou Array, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for stations like Copiapo, Vinchina, Chuzmiza, etc.

Summary text at the bottom of the page containing various identifiers and error ellipse information.





28d 22h

Table with columns: STATION, Frequency, Power, and other technical details for stations like PETK, SONM, KLR.

DJA 28-22:03:49.9, 0.8 S, 4.12 E, h173km, 18km, M4.3/15, mb4.3/6, mB4.7/6, MLV4.6/15, Mw(m)B3.9/6

NEIC 28-22:03:49.9, 1.2, 7.53S, 0.09, 127.91E, 0.07, h160km, 8km, mb4.3/15, Error ellipse: s-maj=13.2km, s-min=10.1km

GFZ 28-22:03:49.0, 0.3, 8.3, 3.12 E, h175km, 4km, M4.2/13, mb4.0/13, Error ellipse: s-maj=8.0km, s-min=6.6km

ISC 28-22:03:48.3, 0.4, 7.62S, 0.05, 127.90E, 0.05, h150km, m69, s1666/72, mb3.9/18, Banda Sea

Main station list table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and other technical parameters for various stations.

2020 OCT

Table with columns: LPAZ, comp, Z, 0.5nm, 0.4s, b, 180, slow, 2.0, SNR, 6.0, PKPab, PKPab, 22 23 37.0 +2.1

MOS 28-22:08:06.6, 1.2, 29.65S, 111.770W, h10km, mb5.5/32, Error ellipse: s-maj=12.7km, s-min=7.7km, az=73.6

DC 28-22:08:06.0, 4.29, 66S, 111.89W, h0km, mb4.7/16, mbmp4.7/16, MS4.7/32, Error ellipse: s-maj=18.3km

NEIC 28-22:08:06.1, 1.8, 29.76S, 0.09, 111.6W, 0.1, h10km, 1km, mb5.2/126, Mmw5.4/13, Error ellipse: s-maj=18.2km

GFZ 28-22:08:07.0, 2.0, 30.5, 3.11 W, h10km, M5.0/46, mb5.0/46, confirmed

GCMT 28-22:08:11.6, 0.1, 29.85S, 0.01, 111.87W, 0.01, h16km, MW5.3/141, Moment Tensor Solution, s94, c142

ISC 28-22:08:08.0, 2.29, 73S, 0.06, 111.79W, 0.06, h16km, n470, e1911/436, mb5.1/119, MS4.8/33, 31C-30D, Easter Island region

Main station list table for the 2020 OCT section, including stations like VA02, RPN, H03S2, etc.

1616

Main station list table for the 1616 section, including stations like PB09, PSXG, PB12, etc.



1617

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other details. Includes stations like MSWZ Moikau Station, BHW Baring Head, TXAR Lajitas Array, etc.

2020 OCT

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other details. Includes stations like SNAW Sanae, SNAU Sanae, SNAV Sanae, etc.

28d 22h

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other details. Includes stations like BBB Bella Bella, MAW Mawson, MAW Mawson, etc.





29Dh

Table with columns: Code, Station Name, Az, El, P, S, Pn, Time, Res. Includes stations like Sand Point, Dolgoi Island, Veniaminof, etc.

2020 OCT

Table with columns: Code, Station Name, Az, El, P, S, Pn, Time, Res. Includes stations like H31M Peal River, G30M tAoh Zraii Nji, G31M Satah River, etc.

1620

Table with columns: Code, Station Name, Az, El, P, S, Pn, Time, Res. Includes stations like MORF Marletele, MORF Sao Teotonio, MORF Barranco-do-Ve, etc.



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for KANTISHNA HILL, KANTISHNA HILL, KANTISHNA HILL, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for JMA 29 01:09:46.9, 0.9, 44°N, 214°E, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for RAUSU, NAKASHI, AKKAKI, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for AEIC 29 01:18:40.2, 1.3, 54°N, 120°E, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for CHIR, WECS, IDC 29 01:39:58, 0.9, 9.71S, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for TPB09, TPB09, TPB09, etc.



Table with columns: Station Name, Frequency, Mode, and Time. Includes stations like TPB12 Southwest of T, GD12 Guadalupe Moun, TPB07 Mentone, etc.

Table with columns: Station Name, Frequency, Mode, and Time. Includes stations like ODSA Odessa, TMB07 Seminole, TXAR Lajitas Array, etc.

Table with columns: Station Name, Frequency, Mode, and Time. Includes stations like NVAR Lac du Bonnet, ULM Eielson Array, KMSI Cibinong, etc.

29d 2h

Table of meteorological data for 29d 2h, listing stations like ASAR Alice Springs, QSU Mount Isa, CMAR Chiang Mai Arr, etc., with columns for station name, time, and various meteorological parameters.

2020 OCT

Table of meteorological data for 2020 OCT, listing stations like RAYN Ar Rayn, KIRV Kirov, K15K Wolf Creek Mtn, etc., with columns for station name, time, and various meteorological parameters.

1624

Table of meteorological data for 1624, listing stations like G08A, YMR Madison River, CHMT Chamberlain Mo, etc., with columns for station name, time, and various meteorological parameters.

IDC 29 02:04:19.4, 7.3, 6.40S, 146.52E, h96km, 75km, mb3.4/3, mbTpp3.7/5, ML3.6/1, MS2.8/1, Error ellipse: s-maj=170.3km s-min=28.4km az=144.0, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like PMG Port Moresby, WRA Warramunga Arr, etc.

BUT 29 02:14:07.0, 1.0, 44.23N, 103.115W, 0.05, h11km, 8km, Error ellipse: s-maj=5.1km s-min=3.3km az=58.0 NEIC 29 02:14:05.3, 1.1, 44.19N, 102.115W, 0.04, h10km, 2km, ML3.3/116, ML3.8/3(1/BUT), Error ellipse: s-maj=4.9km s-min=3.1km az=66.0, Western Idaho

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like HLD Hailey, MFID Camas Ranch, PLID Pearl Lake, etc.

IDC 29 02:20:52.9, 2.4, 56.11S, 26.05W, h0km, mb4.0/5, mbTpp4.0/6, ML3.9/1, MS3.7/1, Error ellipse: s-maj=77.5km s-min=22.4km az=51.0 NEIC 29 02:20:53.8, 1.7, 56.11S, 26.05W, 0.2, h10km, 1km, mb4.3/11, Error ellipse: s-maj=27.5km s-min=15.0km az=19.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like HOPE Hope Point, VNAT Neumayer-3, VNA3 Neumayer Olymp, etc.











Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like XLT, GTA2, LSA, USRK, GOMU, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like KURBB, KURK, MA2, KBL, DZA, etc.

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like VMM10, BANC, RUSC, etc.

CATAC 29 06:00:41.7, 0.6, 6.1N:2:7.4W, h27km, 6km, M3.4/7, MLV3.4/7, Error ellipse: s-maj=6.7km s-min=4.7km az=111.7, confirmed

NEIC 29 06:24:18.7, 1.7, 62.26S:0.07x58.17W:0.09, h10km, 1km, mb4.0/8, Error ellipse: s-maj=12.9km s-min=5.6km az=16.0



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ASAR Alice Springs, WRB Warramunga Arr, WRAB Tennant Creek, etc.

IDC 29 06:32.34.6.2.5, 30.48N, 138.86E, h0km, mb3.4/2, mbtmp 3.3, ML2.6/1, Error ellipse: s-maj=323.4km

JMA 29 06:30.10.4.0.4, 33.14N, 4.13E, h365km, MV2.9/26, FAR S OFF TOKAI DISTRICT

ISC 29 06:32:59.8.1.4, 32.5N, 0.2.137.9E, 0.3, h376km, n10, 0.82/10, Southeast of Honshu

IDC 29 07:02.44.7.0.5, 62.23S, 58.06W, h0km, mb4.5/13, mbtmp 4.5/14, ML4.2/1, MS4.2/29, Error ellipse: s-maj=20.7km

NEIC 29 07:02:46.3.1.5, 62.24S, 0.04.58.2W, 0.2, h10km, 1km, mb5.3/81, Mw5.1/23, Error ellipse: s-maj=14.1km

GCMT 29 07:02:48.3.0.2, 62.28S, 0.01.57.94W, 0.0, h12km, MW5.1/112, Moment Tensor Solution, s46.6/0;

GFZ 29 07:02:49.2.0.2, 62.29S, 0.3.5.8W, h10km, M5.6/37, mb5.0/37

GFZ 29 07:02:49.2.62.30S, 58.27W, h13km, Mw5.1/39, Moment Tensor Solution. Moment tensor: Scale 10^16Nm;

ISC 29 07:02:46.7.0.3, 62.27S, 0.04.58.18W, 0.05, h10km, n289, s185/256, mb5.2/80, MS4.3/30, 5C-7D, South Shetland Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JUBA Jubany, ESPZ Base Esperanza, PMSA Palmer Station, etc.

Table with columns: SNAA, Sanae, comp, Z, f, m, s, P, M, etc. Includes stations like SNAA Sanae, SNAA Sanae, SNAA Sanae, etc.

Table with columns: PB08, IPOC Station P, 42.78 345, P, P, 07 10 48.8 +4.1, etc. Includes stations like PB08 IPOC Station P, PB11 IPOC Station P, etc.









Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Port Moresby, Warramunga Arr, and various meteorological codes.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Chiang Mai Arr, HHC, MAW, and various meteorological codes.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DUBNA INFRAZON, AKTYUBSK INF, and various meteorological codes.



Table with columns for station name, frequency, polarization, and coordinates. Includes stations like KPKS, SHLS, PDGK, BKNR, etc.

Table with columns for station name, frequency, polarization, and coordinates. Includes stations like UOSS, BOK, HATD, GOMU, WBK, ASHO, NAZ, HOQ, ZAO, ZALV, etc.

Table with columns for station name, frequency, polarization, and coordinates. Includes stations like KBZ, EPOS, GOF, NEUR, SHA1, KIV, HOMI, MORE, LABN, DOK, ERBR, VSLR, MOY, SOC, WHFO, VRH, KELT, KIRV, KIRV, LZH, LZH, LZH, ZAK, ABTO, TNCH, ARPR, ARPR, TLY, TLY, TLY, RAYN, RAYN, RAYN, VORD, ANN, VSR, VORR, IRK, CD2, SONM, LPSR, GAZ, NPW, ULN, ULN, ULN, ANDN, ASF, SIM, KMI2, KMI2, MOS, MOS, MOS, MOS.



Table with columns: Name, Comp, Az, El, AzEl, P, S, AzEl, P, S. Includes entries like FAUS Fauske, MORH Moi Rana, CADS Cadgr, GSI Gunungstoli, etc.

Table with columns: Name, Comp, Az, El, AzEl, P, S, AzEl, P, S. Includes entries like KEST Kesra, MASI Maura Aman, KSI KIBK, etc.

Table with columns: Name, Comp, Az, El, AzEl, P, S, AzEl, P, S. Includes entries like D23K Nanushuk River, C26K Camden Bay, IMAR Indian Mountain, etc.





Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GHAJ, IDAN, MZS, SWQJ, JER, ALMO, RMINI, YITV, AI Uja, etc.

IDC 29 11:11:07.1-1.0, 2.94S, 127.67E, h0km, mb4.1/13, mbmp4.2/15, ML4.3/2, MS3.6/2, Error ellipse: s-maj=17.6km s-min=15.5km az=83.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NLAI, MSAI, SANI, BNDI, TNTI, SIJI, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TNTI, MNTI, MNI, KMSI, KMSI, SANI, etc.

IDC 29 11:28:06.2-0.9, 2.95S, 127.67E, h0km, mb4.2/12, mbmp4.2/14, ML4.2/2, MS3.6/3, Error ellipse: s-maj=19.7km s-min=17.2km az=175.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NLAI, SANI, BNDI, TNTI, SIJI, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SIJI, FAKI, LUWI, etc.

IDC 29 11:28:11.8-0.5, 2.89S, 127.75E, h0km, n52, e190/52, mb4.2/15, MS3.6/3, Ceram Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NLAI, SANI, BNDI, TNTI, SIJI, etc.









Table with columns: Code, Station Name, A° AZ', Phase ID, Time Res, EOS4, h m s ISC, EoS, Sn, 1603 33.1 +1.8, 1603 20.5 -0.3, 1603 32.6 +0.2, 1603 23.1 +0.5, 1603 37.5 +1.8, 1603 24.0 +0.1, 1603 38.9 +1.0, 1603 22.5 -1.4, 1603 23.0 -0.8, 1603 23.0 -1.2, 1603 36.9 -1.5, 1603 34.9 +0.1, 1603 38.2 -0.3, 1603 23.7 -1.3, 1603 24.6 +0.1, 1603 39.3 -0.6, 1603 25.1 -0.2, 1603 41.1 +0.5, 1603 41.2 +0.2, 1603 25.2 -0.4, 1603 40.2 -0.9, 1603 25.5 -0.2, 1603 40.2 +1.2, 1603 25.5 -0.4, 1603 26.1 -0.3, 1603 41.8 +0.1, 1603 26.8 +0.1, 1603 26.6 -0.5, 1603 46.4 -0.5, 1603 42.3 -0.9, 1603 27.7 +0.6, 1603 27.1 -0.3, 1603 44.1 -0.0, 1603 43.6 -0.7, 1603 43.6 +0.7, 1603 27.3 -0.1, 1603 44.7 +0.4, 1603 27.2 -0.4, 1603 27.2 -0.4, 1603 28.8 +0.8, 1603 44.1 -1.0, 1603 29.0 +1.0, 1603 46.0 +0.7, 1603 28.2 -0.0, 1603 46.5 +1.2, 1603 28.8 +0.3, 1603 28.7 -0.1, 1603 28.8 +0.1, 1603 29.3 -0.5, 1603 40.0 +0.7, 1603 47.5 0.0, 1603 30.7 +1.0, 1603 29.0 -0.6, 1603 29.5 -0.6, 1603 48.6 +0.2, 1603 30.3 +0.5, 1603 29.9 0.0, 1603 31.9 -0.6, 1603 30.7 +0.7, 1603 31.2 +0.6, 1603 30.4 -0.6, 1603 32.2 +0.3, 1603 51.4 -0.6, 1603 51.0 -0.5, 1603 31.7 -0.4, 1603 50.8 -1.8, 1603 32.8 +1.0, 1603 32.9 -0.5, 1603 33.1 -0.2, 1603 54.8 +0.1, 1603 34.1 +0.3, 1603 54.9 -0.7, 1603 34.7 +0.7, 1603 34.7 +0.7, 1603 34.0 -0.3, 1603 34.4 -0.1, 1603 35.7 -1.1, 1603 34.9 +0.4, 1603 36.7 +1.0, 1603 34.9 -0.5, 1603 35.0 -0.5, 1603 35.8 -0.4, 1603 37.0 +1.1, 1603 35.1 -1.1, 1603 36.8 +0.3, 1603 36.8 +0.3, 1603 37.4 +0.3, 1603 37.4 +0.3, 1603 37.4 -0.3, 1604 02.2 -0.3, 1603 39.1 +1.0, 1604 02.2 +0.8, 1603 39.4 +0.7, 1603 38.0 -0.3, 1603 39.0 +0.4, 1603 39.5 +0.3, 1603 40.9 +0.9, 1603 39.6 -0.3, 1604 05.0 -1.4, 1603 42.3 +1.6, 1603 43.3 +1.0, 1604 11.4 +0.6, 1603 42.2 -0.2, 1604 10.0 -1.0, 1603 41.8 -0.7, 1603 43.8 +0.8, 1603 44.5 +1.5, 1603 45.1 +1.6, 1603 46.3 +1.3, 1603 48.4 +1.2

Table with columns: Code, Station Name, A° AZ', Phase ID, Time Res, EOS4, h m s ISC, EoS, Sn, 1603 33.1 +1.8, 1603 20.5 -0.3, 1603 32.6 +0.2, 1603 23.1 +0.5, 1603 37.5 +1.8, 1603 24.0 +0.1, 1603 38.9 +1.0, 1603 22.5 -1.4, 1603 23.0 -0.8, 1603 23.0 -1.2, 1603 36.9 -1.5, 1603 34.9 +0.1, 1603 38.2 -0.3, 1603 23.7 -1.3, 1603 24.6 +0.1, 1603 39.3 -0.6, 1603 25.1 -0.2, 1603 41.1 +0.5, 1603 41.2 +0.2, 1603 25.2 -0.4, 1603 40.2 -0.9, 1603 25.5 -0.2, 1603 40.2 +1.2, 1603 25.5 -0.4, 1603 26.1 -0.3, 1603 41.8 +0.1, 1603 26.8 +0.1, 1603 26.6 -0.5, 1603 46.4 -0.5, 1603 42.3 -0.9, 1603 27.7 +0.6, 1603 27.1 -0.3, 1603 44.1 -0.0, 1603 43.6 -0.7, 1603 43.6 +0.7, 1603 27.3 -0.1, 1603 44.7 +0.4, 1603 27.2 -0.4, 1603 27.2 -0.4, 1603 28.8 +0.8, 1603 44.1 -1.0, 1603 29.0 +1.0, 1603 46.0 +0.7, 1603 28.2 -0.0, 1603 46.5 +1.2, 1603 28.8 +0.3, 1603 28.7 -0.1, 1603 28.8 +0.1, 1603 29.3 -0.5, 1603 40.0 +0.7, 1603 47.5 0.0, 1603 30.7 +1.0, 1603 29.0 -0.6, 1603 29.5 -0.6, 1603 48.6 +0.2, 1603 30.3 +0.5, 1603 29.9 0.0, 1603 31.9 -0.6, 1603 30.7 +0.7, 1603 31.2 +0.6, 1603 30.4 -0.6, 1603 32.2 +0.3, 1603 51.4 -0.6, 1603 51.0 -0.5, 1603 31.7 -0.4, 1603 50.8 -1.8, 1603 32.8 +1.0, 1603 32.9 -0.5, 1603 33.1 -0.2, 1603 54.8 +0.1, 1603 34.1 +0.3, 1603 54.9 -0.7, 1603 34.7 +0.7, 1603 34.7 +0.7, 1603 34.0 -0.3, 1603 34.4 -0.1, 1603 35.7 -1.1, 1603 34.9 +0.4, 1603 36.7 +1.0, 1603 34.9 -0.5, 1603 35.0 -0.5, 1603 35.8 -0.4, 1603 37.0 +1.1, 1603 35.1 -1.1, 1603 36.8 +0.3, 1603 36.8 +0.3, 1603 37.4 +0.3, 1603 37.4 +0.3, 1603 37.4 -0.3, 1604 02.2 -0.3, 1603 39.1 +1.0, 1604 02.2 +0.8, 1603 39.4 +0.7, 1603 38.0 -0.3, 1603 39.0 +0.4, 1603 39.5 +0.3, 1603 40.9 +0.9, 1603 39.6 -0.3, 1604 05.0 -1.4, 1603 42.3 +1.6, 1603 43.3 +1.0, 1604 11.4 +0.6, 1603 42.2 -0.2, 1604 10.0 -1.0, 1603 41.8 -0.7, 1603 43.8 +0.8, 1603 44.5 +1.5, 1603 45.1 +1.6, 1603 46.3 +1.3, 1603 48.4 +1.2

Table with columns: Code, Station Name, A° AZ', Phase ID, Time Res, EOS4, h m s ISC, EoS, Sn, 1603 33.1 +1.8, 1603 20.5 -0.3, 1603 32.6 +0.2, 1603 23.1 +0.5, 1603 37.5 +1.8, 1603 24.0 +0.1, 1603 38.9 +1.0, 1603 22.5 -1.4, 1603 23.0 -0.8, 1603 23.0 -1.2, 1603 36.9 -1.5, 1603 34.9 +0.1, 1603 38.2 -0.3, 1603 23.7 -1.3, 1603 24.6 +0.1, 1603 39.3 -0.6, 1603 25.1 -0.2, 1603 41.1 +0.5, 1603 41.2 +0.2, 1603 25.2 -0.4, 1603 40.2 -0.9, 1603 25.5 -0.2, 1603 40.2 +1.2, 1603 25.5 -0.4, 1603 26.1 -0.3, 1603 41.8 +0.1, 1603 26.8 +0.1, 1603 26.6 -0.5, 1603 46.4 -0.5, 1603 42.3 -0.9, 1603 27.7 +0.6, 1603 27.1 -0.3, 1603 44.1 -0.0, 1603 43.6 -0.7, 1603 43.6 +0.7, 1603 27.3 -0.1, 1603 44.7 +0.4, 1603 27.2 -0.4, 1603 27.2 -0.4, 1603 28.8 +0.8, 1603 44.1 -1.0, 1603 29.0 +1.0, 1603 46.0 +0.7, 1603 28.2 -0.0, 1603 46.5 +1.2, 1603 28.8 +0.3, 1603 28.7 -0.1, 1603 28.8 +0.1, 1603 29.3 -0.5, 1603 40.0 +0.7, 1603 47.5 0.0, 1603 30.7 +1.0, 1603 29.0 -0.6, 1603 29.5 -0.6, 1603 48.6 +0.2, 1603 30.3 +0.5, 1603 29.9 0.0, 1603 31.9 -0.6, 1603 30.7 +0.7, 1603 31.2 +0.6, 1603 30.4 -0.6, 1603 32.2 +0.3, 1603 51.4 -0.6, 1603 51.0 -0.5, 1603 31.7 -0.4, 1603 50.8 -1.8, 1603 32.8 +1.0, 1603 32.9 -0.5, 1603 33.1 -0.2, 1603 54.8 +0.1, 1603 34.1 +0.3, 1603 54.9 -0.7, 1603 34.7 +0.7, 1603 34.7 +0.7, 1603 34.0 -0.3, 1603 34.4 -0.1, 1603 35.7 -1.1, 1603 34.9 +0.4, 1603 36.7 +1.0, 1603 34.9 -0.5, 1603 35.0 -0.5, 1603 35.8 -0.4, 1603 37.0 +1.1, 1603 35.1 -1.1, 1603 36.8 +0.3, 1603 36.8 +0.3, 1603 37.4 +0.3, 1603 37.4 +0.3, 1603 37.4 -0.3, 1604 02.2 -0.3, 1603 39.1 +1.0, 1604 02.2 +0.8, 1603 39.4 +0.7, 1603 38.0 -0.3, 1603 39.0 +0.4, 1603 39.5 +0.3, 1603 40.9 +0.9, 1603 39.6 -0.3, 1604 05.0 -1.4, 1603 42.3 +1.6, 1603 43.3 +1.0, 1604 11.4 +0.6, 1603 42.2 -0.2, 1604 10.0 -1.0, 1603 41.8 -0.7, 1603 43.8 +0.8, 1603 44.5 +1.5, 1603 45.1 +1.6, 1603 46.3 +1.3, 1603 48.4 +1.2

IDC 29 15:37:06.51.2,2.260N,127.06E,h0km,mb3.6/9, mbtmp3.7/9, Error ellipse: s-maj=79.7km s-min=15.4km z=67.0

TAP 29 16:03:04.6,24.29N,122.94E,h78km,1km,ML3.1, C JMA 29 16:03:04.4,0.251N,122.92E,0.5, h77km,1km, MV2.2/15, NW OFF ISHIGAKIUMA IS, ISC 29 16:03:05.1,3.2425N,0.0412296E,0.02,h77km,6km, n95,+076/137,1,C, Taiwan region

SJA 29 16:08:38.1,0.6,17.74S,69.92W,h154km,3km,ML4.9, MW4.5, NEIC 29 16:08:38.9,1.8,17.71S,0.0569,81W,0.07,h150km,3km, mb4.9/170,Mw4.9/12,Mw4.7(GUC), Error ellipse: s-maj=10.6km s-min=6.8km az=118.0 GFZ 29 16:08:39.2,0.1,18.2S,7.0W,h139km,M4.5/35, mb4.5/35, confirmed GUC 29 16:08:39.6,0.8,17.70S,69.87W,h149km,4km,ML4.9, Presumed earthquake VAO 29 16:08:39.3,0.6,17.59S,69.45W,h135km,5km,mb4.9, ISC 29 16:08:40.1,0.7,17.60S,69.53W,h148km,5km,mb4.2/15, mbtmp4.6/17,MS3.9/1, Error ellipse: s-maj=11.3km s-min=9.4km az=118.0 ISC 29 16:08:38.6,0.3,17.67S,0.036970W,0.05,h145km,3km, h146km,3km, Presumed earthquake

Peru-Bolivia border region



Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like IPOC Station P, Chacalluta, Pisagua, and various local stations.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like Porto Murinho, Juntas del Tor, BDOQ, and various international stations.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like Williston, Blakely, Zaic, and various international stations.

29d 16h

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Table with columns: Station Name, Azimuth, Elevation, SNR, and other technical data. Includes stations like SNA4, ISCO, PV01, PV02, PV13, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other technical data. Includes stations like NIZB, KMO, KMO, YOBAB, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other technical data. Includes stations like CIT, CIT, CIT, CIT, KAB, etc.

IDC 29 16:30:14.7 0.5, 55.92N:110:25E, h0km, mb3.8/4, mtdmp3.9/13, mI3.3/9.8, Error ellipse: s-maj=14.6km s-min=10.6km az=138.0 MOS 29 16:30:14.5 0.5, 55.92N:110:06E, h5km, mb3.7/1, Error



29d 16h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like AKASG Malin Array Be, KSH2 Kashi, GERES GERESS Array B, CMAR Chiang Mai Arr, ESDC Sonseca Array, QSPA South Pole Qui.

JMA 29:16:33:03.7±0.2, 27.9N:1.0:141.5E±0.8, h0km, MV4.5/16, NEAR CHICHUJIMA ISLAND
NIED 29:16:33:03.7, 27.90N:141.52E, h0km, MW4.3, Moment Tensor Solution...
MOS 29:16:33:04.1±0.5, 28.10N:142.46E, h0km, mb4.2/27, mbmp4.2/30, ML3.2/4, MS3.3/11 Error ellipse:
NEIC 29:16:33:05.9±1.6, 28.14N±0.09, 142.4E±0.1, h10km, km1, mb4.0/87, Error ellipse:
GZF 29:16:33:09.0±0.5, 28.1N±3.14, 2E±1.1, h24km, M4.8/27, mb4.8/27

Main station list table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like CBJJ Chichi jima, CJUJ Chichijima, JHJ2 Haha-jima-NKTZ, MJAR Matsushiro, etc.

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Main station list table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like HHC Hu-ho-hao-te, ENH Enshi, SANI Sangino Array, SONM Songino Array, etc.

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Main station list table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like D23K, D24K, ILAR, D25K, BVAR, BORK, etc.



Table with columns: Station Name, Azimuth, Elevation, Phase, Time, Res. Includes stations like KURK Kurchatov, GSPA South Pole Qui, ASAR Alice Springs.

SJA 29 17:29:39.4+1.1, 19:17S:69:22W, h130km, 5km, ML3.5, MW3.6

NEIC 29 17:29:40.2+1.0, 19:17S:0:06:69:2W:0.1, h123km, 5km, mb4.1/2, ML3.8(GUC), Error ellipse: s-maj=14.7km

GUC 29 17:29:41.2+0.6, 19:17S:69:16W, h122km, 5km, ML3.8, s-min=8.0km az=101.0

ISC 29 17:29:38.3+1.1, 19:17S:0:04:69:20W:0.08, h134km, 7km, n46, -06:72/59, 4C-3D, Northern Chile

Main station list table with columns: Code, Station Name, Az, AzE, Phase, ISC, Time, Res. Lists numerous stations including Chusmiza, Pisagua, Huaiquique, Diego Aracena, etc.

BVAR Borovoye Array 56.50 317 P P 17 44 00.6+1.5
MEX 29 17:37:02.2+1.1, 15:19N:98:45W, h17km, 5km, MD4.6, Presumed earthquake
IDC 29 17:37:03.8+1.1, 16:37N:98:14W, h0km, mb4.2/8, mbmp4.1/2, ML3.6/4, MS3.5/7, Error ellipse: s-maj=24.3km s-min=12.5km az=36.0

NEIC 29 17:37:04.2+2.2, 16:19N:0:05:96:2W:0.05, h13km, 4km, mb4.4/95, MD4.6/116(MEX), Error ellipse: s-maj=7.3km s-min=6.3km az=197.0

ISC 29 17:36:58.3+1.5, 15:83N:0:04:98:41W:0.03, h2km, 9km, n210, 02:42/267, mb4.4/37, MS3.6/5, 1D, Off coast of Guerrero

Main station list table with columns: Code, Station Name, Az, AzE, Phase, ISC, Time, Res. Lists numerous stations including Pinotepa, Cruz Grande, Cruz Griza, etc.

Main station list table with columns: Station Name, Azimuth, Elevation, Phase, Time, Res. Lists numerous stations including MHVM Bosque de Chap, MHVM Bosque de Chap, MHVM Pinon, etc.



















Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like BIM Bigot, SVN Savane Anatole, DLPL La Plaine, etc.

IDC 29 22:23:41.2\_4.5, 23 20S\_177.10W, h188km, 52km, mb3.4/3, mbmp3.9/4, Error ellipse: s-maj=81.4km

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like MSVF Nonsavu, ASAR Alice Springs, WRA Warramunga Arr, Vnda Vanda.

CATAC 29 22:34:27.5\_0.9, 13°N, 8°9'0W, h23km, 6km, M3.4/9, MLV3.4/9, Error ellipse: s-maj=17.3km s-min=9.4km

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like GCG 29 22:34:28.1\_1.7, SNET 29 22:34:29.0\_0.8.

ISC 29 22:34:32.3\_3.5, 13.58N, 08.90W, h40km, 19km, ML3.2, n29, c154/43, 4D, Near coast of Guatemala

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like FAME Alcala de Sa, NUBE Las Nubes, NUBE Las Nubes, etc.

ROM 29 22:38:40.5\_0.1, 42.845N, 0.002E, 13.123E, 0.004, h10km, ML1.9/62, 7C-5D, Error ellipse: s-maj=0.3km

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like NRCA Norcia, NRCA Norcia, NRCA Norcia, etc.

Main table with columns: MTRA, S, Sg, Time, Res. Includes stations like MTRA MTRRA, MTRA MTRRA, MTRA MTRRA, etc.

Main table with columns: TERO, S, Sb, Time, Res. Includes stations like TERO TERO, TERO TERO, TERO TERO, etc.















30d 2h

Table with columns for station name, frequency, and signal strength. Includes stations like NFK Norfolk Island, OUZ Omaha, KOUNC Koumac, GRZ Great Barrier, etc.

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Table with columns for CTA, S, S, and numerical values. Includes stations like CTA comp=Z,2.1nm,0.7s, etc.

1666

Table with columns for station name, frequency, and signal strength. Includes stations like FORT Forrest, FORT Forrest, DRS Darwin Rock St, etc.



30d 2h

Table with columns for station name, frequency, power, and other technical details. Includes stations like HMU Henry Mountain, ELIB Princess Elisa, ELIB Poorman, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like ALQ Albuquerque, TASM ASL Pad, ANMO Albuquerque, etc.

1668

Table with columns for station name, frequency, power, and other technical details. Includes stations like GBMT Granite Butte, M31M Drury Creek, LKWY Lake, etc.



30c 2h

Table with columns for station name, frequency, and various signal quality indicators (e.g., S/NR, SNR, SNR=14, etc.).

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Table with columns for station name, frequency, and various signal quality indicators (e.g., S/NR, SNR, SNR=14, etc.).

1670

Table with columns for station name, frequency, and various signal quality indicators (e.g., S/NR, SNR, SNR=14, etc.).

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, and Residual (Res).



1671

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CANM, BAGT, GADA, etc.

ROM 30 02:50:39.6-0.1, 42.568N-0.004-13.192E, 0.004, h11km, ML1.4/12, 3C-1D, Error ellipse: s-maj=0.5km s-min=0.3km az=192.0, Central Italy

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RM33, RM25, LN55, etc.

IDC 30 02:54:06.5-6.6, 20.515N-178.61W, h535km, 120km, mb2.6/3, mbtmp3.5/4, Error ellipse: s-maj=339.2km s-min=39.2km az=35.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MSVF, ASAR, WRA, etc.

SOME 30 02:57:14.8, 39.13N-72.08E, h15km, KRNET 30 02:57:16.4-0.1, 39.06N-71.56E, h14km, mb4.2

IDC 30 02:57:18.3-0.9, 38.94N-71.56E, h0km, mb3.7/11, mbtmp3.7/18, ML3.9/7, Error ellipse: s-maj=16.0km s-min=13.6km az=127.0

NNC 30 02:57:20.9-2.8, 39.39N-72.11E, h0km, mb4.3, mpv4.0, Error ellipse: s-maj=21.2km s-min=10.6km az=1.0

ISC 30 02:57:20.6-0.7, 39.21N-0.04-71.63E, 0.03, h10km, n73, z=60/98, mb3.6/10, 28C-12D, Tajikistan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ARX5, ARX3, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DRK, Karamyk, Osh, Sufi-Kurgan, etc.

ISC 30 03:01:40.0-1.9, 39.47N-0.10-71.66E, 0.05, h4km, 11km, n19, r180/34, 10C-14D, Tajikistan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DRK, Karamyk, Osh, Sufi-Kurgan, etc.

IDC 30 03:01:58.0-0.7, 23.05S-114.90W, h0km, mb4.1/11, mbtmp4.1/11, MS4.2/35, Error ellipse: s-maj=29.6km s-min=4.0km az=57.0

GFZ 30 03:02:00.5-0.5, 23.5-6.6, 11.5W, h10km, M4.6/19, mb4.6/19, Error ellipse: s-maj=21.6km s-min=8.7km az=61.6, confirmed

NEIC 30 03:02:01.8-1.4, 22.99S-0.10-114.7W, 0.1, h10km, 1km, mb4.8/155, Error ellipse: s-maj=23.5km s-min=15.4km az=250.0

CGMT 30 03:02:03.8-0.2, 23.12S-0.01-114.69W, 0.01, h17km, 1km, MW5.0/121, Moment Tensor Solution: s57.68; s12.1c169; Duration: 0. Moment tensor: Scale 1016Nm; M=0.80z; 13; M=0.12z; 12; M=0.20z; 13; M=0.12z; 28; Mw4.04z; 10; Mw0.27z; 30; Best double couple; Mw4.36100x1016 NPT1:0.79, 0.00000, 0.86, 0.00000, lambda-2.00000. NP2:0.169, 0.00000, 0.88, 0.00000,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ARX5, ARX3, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like UZB, Uzunbulak, MKAR, etc.

IDC 30 03:01:58.0-0.7, 23.05S-114.90W, h0km, mb4.1/11, mbtmp4.1/11, MS4.2/35, Error ellipse: s-maj=29.6km s-min=4.0km az=57.0

GFZ 30 03:02:00.5-0.5, 23.5-6.6, 11.5W, h10km, M4.6/19, mb4.6/19, Error ellipse: s-maj=21.6km s-min=8.7km az=61.6, confirmed

NEIC 30 03:02:01.8-1.4, 22.99S-0.10-114.7W, 0.1, h10km, 1km, mb4.8/155, Error ellipse: s-maj=23.5km s-min=15.4km az=250.0

CGMT 30 03:02:03.8-0.2, 23.12S-0.01-114.69W, 0.01, h17km, 1km, MW5.0/121, Moment Tensor Solution: s57.68; s12.1c169; Duration: 0. Moment tensor: Scale 1016Nm; M=0.80z; 13; M=0.12z; 12; M=0.20z; 13; M=0.12z; 28; Mw4.04z; 10; Mw0.27z; 30; Best double couple; Mw4.36100x1016 NPT1:0.79, 0.00000, 0.86, 0.00000, lambda-2.00000. NP2:0.169, 0.00000, 0.88, 0.00000,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like UZB, Uzunbulak, MKAR, etc.

IDC 30 03:01:58.0-0.7, 23.05S-114.90W, h0km, mb4.1/11, mbtmp4.1/11, MS4.2/35, Error ellipse: s-maj=29.6km s-min=4.0km az=57.0

GFZ 30 03:02:00.5-0.5, 23.5-6.6, 11.5W, h10km, M4.6/19, mb4.6/19, Error ellipse: s-maj=21.6km s-min=8.7km az=61.6, confirmed

NEIC 30 03:02:01.8-1.4, 22.99S-0.10-114.7W, 0.1, h10km, 1km, mb4.8/155, Error ellipse: s-maj=23.5km s-min=15.4km az=250.0

CGMT 30 03:02:03.8-0.2, 23.12S-0.01-114.69W, 0.01, h17km, 1km, MW5.0/121, Moment Tensor Solution: s57.68; s12.1c169; Duration: 0. Moment tensor: Scale 1016Nm; M=0.80z; 13; M=0.12z; 12; M=0.20z; 13; M=0.12z; 28; Mw4.04z; 10; Mw0.27z; 30; Best double couple; Mw4.36100x1016 NPT1:0.79, 0.00000, 0.86, 0.00000, lambda-2.00000. NP2:0.169, 0.00000, 0.88, 0.00000,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like UZB, Uzunbulak, MKAR, etc.

1-176.00000°. Principal axes: T 4.7530, P1g2.0000°, Azm304.00000°; N -0.7830, P1g85.00000°, Azm195.00000°; P -3.9690, P1g5.00000°, Azm34.00000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like VA02 Isla de Pascua, TA0E Nuku Hiva Isla, TBI Tubuai, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like TPB28 Mohawk Valley, 113A Mohawk Valley, 121A China Draw, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like RSSD Black Hills, YHH Holmes Hill, BMO Blue Mountains, etc.

IDC 30 03:16:50.1, 1.9, 43°40'S-91°54'E, h0km, mb3.6/5, mbmt=39.6/5, MS3.7/4, Error ellipse: s-maj=53.4km s-min=29.5km az=116.0, Southeast Indian Ridge

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like H01W2 Cape Leeuwin H, H01W3 Cape Leeuwin H, MAW Mawson, etc.

KRNET 30 03:26:24.2, 0.1, 39°08'N-75°99'E, mb3.3, NNC 30 03:26:34.7, 5.7, 39°53'N-75°54'E, h0km, mb3.5, mpv3.3, Error ellipse: s-maj=39.4km s-min=33.9km az=3.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like SFK Stafi-Kurgan, NRN Naryn, SALK Salom-Alik, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like OHH, KDJ, UCH, etc.

KRNET 03:03:28:56.1.0.1.40.33N.78.96E, mb3.1
SOME 03:03:29:01.0.40.80N.79.12E, h5km
NNC 03:03:29:02.0.2.0.9.40.83N.79.12E, h0km, mb3.6, mpv3.2,
Error ellipse: s-maj=5.7km s-min=4.5km az=163.0

Main table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like TARG, PRZ, KDJ, etc.

IDC 03:03:30:53.0.2.9.1012S.111.31E, h0km, mb3.3/3,
mbtmp3.4/4, ML3.3/1, MS3.9/1, Error ellipse:
s-maj=145.3km s-min=25.7km az=44.0, South of Jawa

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like FITZ, WRA, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ASAR, USRK, MKAR, etc.

VAO 03:03:46:41.2.1.1.23.08S.66.80W, h214km, 10km, mb4.1,
Presumed earthquake
IDC 03:03:46:43.8.1.6.22.90S.66.42W, mb200km, 14km, mb3.5/7,
mbtmp4.0/12, Error ellipse: s-maj=18.0km s-min=14.6km
az=95.0

SJA 03:03:46:44.4.0.6.23.08S.66.47W, h191km, 5km, ML4.0,
MW3.8
NEIC 03:03:46:45.2.1.2.27.96S.0.08.66.50W.0.1.1, h218km, 8km,
mb4.4/15, Error ellipse: s-maj=13.9km s-min=10.9km
az=89.0

IDC 03:03:46:44.1.0.6.22.99S.0.04.66.50W.0.04, h214km, 6km,
m8.9, +f12/11, mb4.1/10, Jujuy Province

Main table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like HJA, YJA, SALTA, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PTBL, MT09, VILB, etc.

VAO comp=2.20nm, 0.9s
VAO comp=2.20nm, 0.7s, baz=104, slow=14, SNR=8.4

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PLCA, SNOB, CANS, etc.

RUSC comp=2.12nm, 1.3s
RUSC comp=2.0.1nm, 0.4s, baz=133, slow=3.1, SNR=5.8

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SJCC, URIC, etc.

TXAR comp=2.21nm, 1.0s
TXAR comp=2.0.1nm, 0.4s, baz=133, slow=3.1, SNR=5.8

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like DBIC, TORO, etc.

TORD comp=2.0.8nm, 0.4s
PDAR comp=2.0.4nm, 0.7s, baz=133, slow=4.2, SNR=4.6

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SCHO, ESDD, etc.

YKA comp=2.0.4nm, 0.5s, baz=137, slow=4.4, SNR=1.9
WRA comp=2.0.1nm, 0.3s, baz=152, slow=1.7, SNR=5.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KURBB, ZALV, etc.

MKAR comp=2.1.2nm, 0.3s, baz=318, slow=1.9, SNR=4.3
MKAR comp=2.2.3nm, 0.6s, baz=311, slow=4.0, SNR=1.6

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like IDC, KRMC, etc.

IDC 03:03:57:00.3.1.5.52.77N.172.08E, h0km, mb3.8/14,
s-min=11.8km az=5.0
KRMC 03:03:57:01.7.1.3.52.54N.171.67E, h52km, 36km, ML4.1,
NEIC 03:03:57:05.6.1.5.52.7N.0.2.171.98E.0.05, h35km, 2km,
mb4.1/11, Error ellipse: s-maj=32.6km s-min=4.7km

IDC 03:03:57:02.7.1.0.52.55N.0.2.171.98E.0.05, h28km, n51,
+R88/44, mb4.1/16, Near Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SHEM, SHEM, etc.

SHEM comp=2.16nm, 1.4s
SHEM comp=2.0.3s, baz=220, slow=2.1, SNR=20

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SHEM, SMY, etc.

SHEM comp=2.16nm, 1.4s
SHEM comp=2.0.3s, baz=220, slow=2.1, SNR=20

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SHEM, SMY, etc.

SHEM comp=2.16nm, 1.4s
SHEM comp=2.0.3s, baz=220, slow=2.1, SNR=20

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SHEM, SMY, etc.

SHEM comp=2.16nm, 1.4s
SHEM comp=2.0.3s, baz=220, slow=2.1, SNR=20

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SHEM, SMY, etc.

SHEM comp=2.16nm, 1.4s
SHEM comp=2.0.3s, baz=220, slow=2.1, SNR=20

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SHEM, SMY, etc.

SHEM comp=2.16nm, 1.4s
SHEM comp=2.0.3s, baz=220, slow=2.1, SNR=20

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SHEM, SMY, etc.

SHEM comp=2.16nm, 1.4s
SHEM comp=2.0.3s, baz=220, slow=2.1, SNR=20



IDC 30 04:33:31.2,3,2,3,21:175:178:38W,h579km,20km,mb3.4/5, mbmp4.3/8, Error ellipse: s-maj=32.4km s-min=19.2km az=111.0

NEIC 30 04:33:32.7,1,8,21:105:0:06:178:5W,0.2,h587km,7km, mb4.3/19, Error ellipse: s-maj=20.8km s-min=8.8km az=80.0

ISC 30 04:33:32.2,0.7,21:1S:0:1x178:6W:0.1,h579km,n40, s16:42,mb4.2/14, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Lists various seismic stations and their parameters.

ISC 30 04:36:28.7,0.5,54:52N:0:04:159:68W:0.02,h28km,2km, h28km;P-P,1215, s19:22/935,mb5.4/533,MS4.4/95, 34C-67D, South of Alaska

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Lists various seismic stations and their parameters.

OKCE Okmok Cone E 5.13 261 Pn 04 37 43.6 +0.0 KDAK Kodiak Island 5.14 48 Pn 04 37 42.3 -1.4

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Lists various seismic stations and their parameters.

BUI 30 04:36:24.8,54:60N:159:70W,h20km,mb5.3/22, mb5.1/68,Ms4.9/49,Ms7.4/749

IDC 30 04:36:24.9,0.5,54:63N:159:76W,h0km,mb5.0/33, mbmp5.0/37,ML4.9/4,MS4.4/75, Error ellipse: s-maj=12.5km s-min=7.8km az=151.0

GFZ 30 04:36:27.8,0.3,55:15N:16:0W:z,h10km,MS.2/23, mb5.4/23

MOS 30 04:36:27.2,0.9,54:57N:159:77W,h25km,mb5.5/82, MS4.6/8, Error ellipse: s-maj=8.2km s-min=4.0km az=97.7

GFZ 30 04:36:27.4,54:67N:159:59W,h20km,MW5.0/18, Moment Tensor Solution. Moment tensor: Scale 10^16Nm; Mn:-0.94; Mw:2.34; Ms:-1.40; Mo:-0.49; Mv:3.37; Mw:2.25; Fault plane solution: Mo:4.56006x10^16 NP1: 0:100.28838, 0:62.17796, 1:16.77677, NP2: 0:198.29770, 0:75.21001, 1:-151.13677. Principal axes: T:4.4315, P:6.5990, Azm:327.0758, N:0.2470, Plg:57.8608, Azm:223.1482; P: -4.6785, Plg:30.6994, Azm:62.2270

NEIC 30 04:36:28.3,54:49N:159:64W,h23km NEIC 30 04:36:28.6,1.7,54:51N:0:02:159:69W:0.04,h25km,3km, mb5.4/726,ML5.5/38,MW5.0/45,MW5.1/54, Error ellipse: s-maj=3.8km s-min=2.1km az=62.0, Moment Tensor Solution. Moment tensor: Scale 10^16Nm; Mn:-0.94; Mw:2.34; Ms:-1.40; Mo:-0.49; Mv:3.37; Mw:2.25; Fault plane solution: Mo:4.56006x10^16 NP1: 0:100.28838, 0:62.17796, 1:16.77677, NP2: 0:198.29770, 0:75.21001, 1:-151.13677. Principal axes: T:4.4315, P:6.5990, Azm:327.0758, N:0.2470, Plg:57.8608, Azm:223.1482; P: -4.6785, Plg:30.6994, Azm:62.2270

NEIC 30 04:36:28.3,54:49N:159:64W,h23km NEIC 30 04:36:28.6,1.7,54:51N:0:02:159:69W:0.04,h25km,3km, mb5.4/726,ML5.5/38,MW5.0/45,MW5.1/54, Error ellipse: s-maj=3.8km s-min=2.1km az=62.0, Moment Tensor Solution. Moment tensor: Scale 10^16Nm; Mn:-0.94; Mw:2.34; Ms:-1.40; Mo:-0.49; Mv:3.37; Mw:2.25; Fault plane solution: Mo:4.56006x10^16 NP1: 0:100.28838, 0:62.17796, 1:16.77677, NP2: 0:198.29770, 0:75.21001, 1:-151.13677. Principal axes: T:4.4315, P:6.5990, Azm:327.0758, N:0.2470, Plg:57.8608, Azm:223.1482; P: -4.6785, Plg:30.6994, Azm:62.2270

NEIC 30 04:36:28.3,54:49N:159:64W,h23km NEIC 30 04:36:28.6,1.7,54:51N:0:02:159:69W:0.04,h25km,3km, mb5.4/726,ML5.5/38,MW5.0/45,MW5.1/54, Error ellipse: s-maj=3.8km s-min=2.1km az=62.0, Moment Tensor Solution. Moment tensor: Scale 10^16Nm; Mn:-0.94; Mw:2.34; Ms:-1.40; Mo:-0.49; Mv:3.37; Mw:2.25; Fault plane solution: Mo:4.56006x10^16 NP1: 0:100.28838, 0:62.17796, 1:16.77677, NP2: 0:198.29770, 0:75.21001, 1:-151.13677. Principal axes: T:4.4315, P:6.5990, Azm:327.0758, N:0.2470, Plg:57.8608, Azm:223.1482; P: -4.6785, Plg:30.6994, Azm:62.2270

NEIC 30 04:36:28.3,54:49N:159:64W,h23km NEIC 30 04:36:28.6,1.7,54:51N:0:02:159:69W:0.04,h25km,3km, mb5.4/726,ML5.5/38,MW5.0/45,MW5.1/54, Error ellipse: s-maj=3.8km s-min=2.1km az=62.0, Moment Tensor Solution. Moment tensor: Scale 10^16Nm; Mn:-0.94; Mw:2.34; Ms:-1.40; Mo:-0.49; Mv:3.37; Mw:2.25; Fault plane solution: Mo:4.56006x10^16 NP1: 0:100.28838, 0:62.17796, 1:16.77677, NP2: 0:198.29770, 0:75.21001, 1:-151.13677. Principal axes: T:4.4315, P:6.5990, Azm:327.0758, N:0.2470, Plg:57.8608, Azm:223.1482; P: -4.6785, Plg:30.6994, Azm:62.2270

NEIC 30 04:36:28.3,54:49N:159:64W,h23km NEIC 30 04:36:28.6,1.7,54:51N:0:02:159:69W:0.04,h25km,3km, mb5.4/726,ML5.5/38,MW5.0/45,MW5.1/54, Error ellipse: s-maj=3.8km s-min=2.1km az=62.0, Moment Tensor Solution. Moment tensor: Scale 10^16Nm; Mn:-0.94; Mw:2.34; Ms:-1.40; Mo:-0.49; Mv:3.37; Mw:2.25; Fault plane solution: Mo:4.56006x10^16 NP1: 0:100.28838, 0:62.17796, 1:16.77677, NP2: 0:198.29770, 0:75.21001, 1:-151.13677. Principal axes: T:4.4315, P:6.5990, Azm:327.0758, N:0.2470, Plg:57.8608, Azm:223.1482; P: -4.6785, Plg:30.6994, Azm:62.2270

NEIC 30 04:36:28.3,54:49N:159:64W,h23km NEIC 30 04:36:28.6,1.7,54:51N:0:02:159:69W:0.04,h25km,3km, mb5.4/726,ML5.5/38,MW5.0/45,MW5.1/54, Error ellipse: s-maj=3.8km s-min=2.1km az=62.0, Moment Tensor Solution. Moment tensor: Scale 10^16Nm; Mn:-0.94; Mw:2.34; Ms:-1.40; Mo:-0.49; Mv:3.37; Mw:2.25; Fault plane solution: Mo:4.56006x10^16 NP1: 0:100.28838, 0:62.17796, 1:16.77677, NP2: 0:198.29770, 0:75.21001, 1:-151.13677. Principal axes: T:4.4315, P:6.5990, Azm:327.0758, N:0.2470, Plg:57.8608, Azm:223.1482; P: -4.6785, Plg:30.6994, Azm:62.2270

NEIC 30 04:36:28.3,54:49N:159:64W,h23km NEIC 30 04:36:28.6,1.7,54:51N:0:02:159:69W:0.04,h25km,3km, mb5.4/726,ML5.5/38,MW5.0/45,MW5.1/54, Error ellipse: s-maj=3.8km s-min=2.1km az=62.0, Moment Tensor Solution. Moment tensor: Scale 10^16Nm; Mn:-0.94; Mw:2.34; Ms:-1.40; Mo:-0.49; Mv:3.37; Mw:2.25; Fault plane solution: Mo:4.56006x10^16 NP1: 0:100.28838, 0:62.17796, 1:16.77677, NP2: 0:198.29770, 0:75.21001, 1:-151.13677. Principal axes: T:4.4315, P:6.5990, Azm:327.0758, N:0.2470, Plg:57.8608, Azm:223.1482; P: -4.6785, Plg:30.6994, Azm:62.2270

NEIC 30 04:36:28.3,54:49N:159:64W,h23km NEIC 30 04:36:28.6,1.7,54:51N:0:02:159:69W:0.04,h25km,3km, mb5.4/726,ML5.5/38,MW5.0/45,MW5.1/54, Error ellipse: s-maj=3.8km s-min=2.1km az=62.0, Moment Tensor Solution. Moment tensor: Scale 10^16Nm; Mn:-0.94; Mw:2.34; Ms:-1.40; Mo:-0.49; Mv:3.37; Mw:2.25; Fault plane solution: Mo:4.56006x10^16 NP1: 0:100.28838, 0:62.17796, 1:16.77677, NP2: 0:198.29770, 0:75.21001, 1:-151.13677. Principal axes: T:4.4315, P:6.5990, Azm:327.0758, N:0.2470, Plg:57.8608, Azm:223.1482; P: -4.6785, Plg:30.6994, Azm:62.2270

NEIC 30 04:36:28.3,54:49N:159:64W,h23km NEIC 30 04:36:28.6,1.7,54:51N:0:02:159:69W:0.04,h25km,3km, mb5.4/726,ML5.5/38,MW5.0/45,MW5.1/54, Error ellipse: s-maj=3.8km s-min=2.1km az=62.0, Moment Tensor Solution. Moment tensor: Scale 10^16Nm; Mn:-0.94; Mw:2.34; Ms:-1.40; Mo:-0.49; Mv:3.37; Mw:2.25; Fault plane solution: Mo:4.56006x10^16 NP1: 0:100.28838, 0:62.17796, 1:16.77677, NP2: 0:198.29770, 0:75.21001, 1:-151.13677. Principal axes: T:4.4315, P:6.5990, Azm:327.0758, N:0.2470, Plg:57.8608, Azm:223.1482; P: -4.6785, Plg:30.6994, Azm:62.2270

NEIC 30 04:36:28.3,54:49N:159:64W,h23km NEIC 30 04:36:28.6,1.7,54:51N:0:02:159:69W:0.04,h25km,3km, mb5.4/726,ML5.5/38,MW5.0/45,MW5.1/54, Error ellipse: s-maj=3.8km s-min=2.1km az=62.0, Moment Tensor Solution. Moment tensor: Scale 10^16Nm; Mn:-0.94; Mw:2.34; Ms:-1.40; Mo:-0.49; Mv:3.37; Mw:2.25; Fault plane solution: Mo:4.56006x10^16 NP1: 0:100.28838, 0:62.17796, 1:16.77677, NP2: 0:198.29770, 0:75.21001, 1:-151.13677. Principal axes: T:4.4315, P:6.5990, Azm:327.0758, N:0.2470, Plg:57.8608, Azm:223.1482; P: -4.6785, Plg:30.6994, Azm:62.2270

NEIC 30 04:36:28.3,54:49N:159:64W,h23km NEIC 30 04:36:28.6,1.7,54:51N:0:02:159:69W:0.04,h25km,3km, mb5.4/726,ML5.5/38,MW5.0/45,MW5.1/54, Error ellipse: s-maj=3.8km s-min=2.1km az=62.0, Moment Tensor Solution. Moment tensor: Scale 10^16Nm; Mn:-0.94; Mw:2.34; Ms:-1.40; Mo:-0.49; Mv:3.37; Mw:2.25; Fault plane solution: Mo:4.56006x10^16 NP1: 0:100.28838, 0:62.17796, 1:16.77677, NP2: 0:198.29770, 0:75.21001, 1:-151.13677. Principal axes: T:4.4315, P:6.5990, Azm:327.0758, N:0.2470, Plg:57.8608, Azm:223.1482; P: -4.6785, Plg:30.6994, Azm:62.2270

NEIC 30 04:36:28.3,54:49N:159:64W,h23km NEIC 30 04:36:28.6,1.7,54:51N:0:02:159:69W:0.04,h25km,3km, mb5.4/726,ML5.5/38,MW5.0/45,MW5.1/54, Error ellipse: s-maj=3.8km s-min=2.1km az=62.0, Moment Tensor Solution. Moment tensor: Scale 10^16Nm; Mn:-0.94; Mw:2.34; Ms:-1.40; Mo:-0.49; Mv:3.37; Mw:2.25; Fault plane solution: Mo:4.56006x10^16 NP1: 0:100.28838, 0:62.17796, 1:16.77677, NP2: 0:198.29770, 0:75.21001, 1:-151.13677. Principal axes: T:4.4315, P:6.5990, Azm:327.0758, N:0.2470, Plg:57.8608, Azm:223.1482; P: -4.6785, Plg:30.6994, Azm:62.2270

NEIC 30 04:36:28.3,54:49N:159:64W,h23km NEIC 30 04:36:28.6,1.7,54:51N:0:02:159:69W:0.04,h25km,3km, mb5.4/726,ML5.5/38,MW5.0/45,MW5.1/54, Error ellipse: s-maj=3.8km s-min=2.1km az=62.0, Moment Tensor Solution. Moment tensor: Scale 10^16Nm; Mn:-0.94; Mw:2.34; Ms:-1.40; Mo:-0.49; Mv:3.37; Mw:2.25; Fault plane solution: Mo:4.56006x10^16 NP1: 0:100.28838, 0:62.17796, 1:16.77677, NP2: 0:198.29770, 0:75.21001, 1:-151.13677. Principal axes: T:4.4315, P:6.5990, Azm:327.0758, N:0.2470, Plg:57.8608, Azm:223.1482; P: -4.6785, Plg:30.6994, Azm:62.2270



















Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like CBCV, Pilon, Coleyville, Las Mercedes, etc.

ISK 30 06:12:44.6,39:32'N,43:13'E,h28km,ML2.5/4
AFAD 30 06:12:45.3,39:78N,42:56E,h7km,5km,ML2.1
ISC 30 06:12:44.6,1.1,39:31'N,0:05:43.13E,0:04,h32km,8km,
n8,0:1922/14,Turkey

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like DORK, Agr/Tutak/Do, DOR, etc.

KRNET 30 06:29:59.0,0.1,39:02'N,76:12'E,mb3.7
SOME 30 06:30:01.9,39:25'N,76:00'E,h5km
NNC 30 06:30:05.0,1.2,39:34'N,75:94'E,h0km,mb4.0,mpv3.6,
Error ellipse: s-maj=9.3km s-min=4.8km az=165.0

ISC 30 06:30:03.0,1.7,39:30'N,0:08:75.92E,0:03,h10km,n46,
c:244/73,10C-19D,Southern Xinjiang

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like SFK, NRN, NAR, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like KU, Kurty, KU, etc.

ISC 30 06:34:12.4,1.2,3:35S,0:1:14:00E,0:1,h31km,n11,
c:1507/8,mb3.7/5,Near north coast of New Guinea

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like JAY, WRA, ASAR, etc.

ISC 30 06:34:07.7,1.3,3:43S,144:06E,h0km,mb3.6/5,
mbmp3.6/7,ML3.3/2,MS3.7/1,Error ellipse: s-maj=25.0km
s-min=22.6km az=42.0

ISC 30 06:34:12.4,1.2,3:35S,0:1:14:00E,0:1,h31km,n11,
c:1507/8,mb3.7/5,Near north coast of New Guinea

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like WAKE ISLAND, WAKE ISLAND, etc.

NEIC 30 06:42:45.4,1.2,54:37'N,0:04:159:72W,0:05,
h2km,1.1km,ML3.5/32,ML3.4(AEIC),Error ellipse:
s-maj=6.6km s-min=3.3km az=202.0

AEIC 30 06:42:45.7,1.4,54:29'N,0:05:159:62W,0:09,h2km,8km,
Error ellipse: s-maj=8.9km s-min=6.0km az=135.0

ISC 30 06:42:43.4,3.2,54:31'N,0:08:159.62W,0:05,
h12km,24km,n116,c0:76/121,South of Alaska

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like CNBA, CHNA, SDPT, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like S12K, S12K, CHGN, etc.

CATAC 30 06:42:57.0,0.6,10:NL4:8'6W,1:h10km,4km,M3.1/12,
MLV3.1/12,Error ellipse: s-maj=12.2km s-min=4.3km
az=47.3,confirmed

UCR 30 06:42:57.3,0.9,10:29'N,86:24W,h13km,67km,MW3.7,
Presumed earthquake

ISC 30 06:42:57.1,2.0,10:31'N,0:05:86:21W,0:08,h11km,11km,
n44,c0:52/50,Off coast of Costa Rica

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like SACU, SACU, JUD3, etc.

30 Aug 8h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like JTS Las Juntas de, CANAL Canalete, TENO El Achote, etc.

IDC 30 07:44:47.4, 3.9, 53.79N:88.14E, h0km, mbtmp2.7/2, ML2.4/2, Error ellipse: s-maj=37.1km s-min=23.6km az=56.0

ASRS 30 07:44:45.0, 1.4, 53.73N:88.21E, h0km, M2.6(MOS), The earthquakes of Russia in 2020. Obninsk, GS RAS, 2022. Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like H46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Zalesovo, etc.

IDC 30 07:56:24.0, 4.0, 29.62S:175.94W, h0km, mb3.9/6, mbtmp4.0/9, ML3.7/3, MS3.3/3, Error ellipse: s-maj=25.5km s-min=17.4km az=170.0

NEIC 30 07:56:25.9, 0.7, 29.60S:170.10E:01W:0.07, h10km, 1km, mb4.3/9, Error ellipse: s-maj=16.7km s-min=9.5km az=164.0

ISC 30 07:56:28.7, 0.7, 29.44S:176.07W:0.08, h28km, n50, s161/63, mb4.1/9, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like RAO Raoul Island, RAO Raoul Island, RAO Raoul Island, etc.

2020 OCT

Table with columns: TXAR Lajitas Array, FINES FINES Array B, NB2 NORARS Subarray, NOA NORARS Array B, HFS Hagfors, AKAS Malin Array Be, etc.

IDC 30 08:04:07.7, 2.5, 6.68S:116.81E, h0km, mb3.3/4, mbtmp3.4/4, Error ellipse: s-maj=224.3km s-min=27.3km az=53.0, Bali Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, MKAR Makani Array, etc.

BER 30 08:30:45.5, 1.2, 6.379N:28.34E, h0km, ML2.1, ML2.1(HEL), Suspected explosion

HEL 30 08:30:45.3, 0.1, 6.379N:28.11E, h0km, ML2.1, Suspected explosion

IDC 30 08:30:46.1, 2.0, 6.379N:28.00E, h0km, mbtmp3.0/3, ML2.5/3, Error ellipse: s-maj=25.3km s-min=10.2km az=105.0

KOLA 30 08:30:50.0, 0.6, 64.1N:0.22E:0.3, h0km, M2.5(MOS), The earthquakes of Russia in 2020. Obninsk, GS RAS, 2022

UPP 30 08:30:57.2, 2.2, 64.20N:26.15E, h0km, ML2.0, Presumed earthquake

ISC 30 08:45.1, 0.8, 63.94N:0.02:27.99E:0.03, h0km, n68, s146/96, Finland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like NIF Nilsia, RMF Romuvaara, OUL Oulu, OUF Merijarvi, OUF Oulu, OUF Vikkela, LUMIJ, OUF4, OUF5, OUF6, OUF7, OUF8, OUF9, OUF10, OUF11, OUF12, OUF13, OUF14, OUF15, OUF16, OUF17, OUF18, OUF19, OUF20, OUF21, OUF22, OUF23, OUF24, OUF25, OUF26, OUF27, OUF28, OUF29, OUF30, OUF31, OUF32, OUF33, OUF34, OUF35, OUF36, OUF37, OUF38, OUF39, OUF40, OUF41, OUF42, OUF43, OUF44, OUF45, OUF46, OUF47, OUF48, OUF49, OUF50, OUF51, OUF52, OUF53, OUF54, OUF55, OUF56, OUF57, OUF58, OUF59, OUF60, OUF61, OUF62, OUF63, OUF64, OUF65, OUF66, OUF67, OUF68, OUF69, OUF70, OUF71, OUF72, OUF73, OUF74, OUF75, OUF76, OUF77, OUF78, OUF79, OUF80, OUF81, OUF82, OUF83, OUF84, OUF85, OUF86, OUF87, OUF88, OUF89, OUF90, OUF91, OUF92, OUF93, OUF94, OUF95, OUF96, OUF97, OUF98, OUF99, OUF100, OUF101, OUF102, OUF103, OUF104, OUF105, OUF106, OUF107, OUF108, OUF109, OUF110, OUF111, OUF112, OUF113, OUF114, OUF115, OUF116, OUF117, OUF118, OUF119, OUF120, OUF121, OUF122, OUF123, OUF124, OUF125, OUF126, OUF127, OUF128, OUF129, OUF130, OUF131, OUF132, OUF133, OUF134, OUF135, OUF136, OUF137, OUF138, OUF139, OUF140, OUF141, OUF142, OUF143, OUF144, OUF145, OUF146, OUF147, OUF148, OUF149, OUF150, OUF151, OUF152, OUF153, OUF154, OUF155, OUF156, OUF157, OUF158, OUF159, OUF160, OUF161, OUF162, OUF163, OUF164, OUF165, OUF166, OUF167, OUF168, OUF169, OUF170, OUF171, OUF172, OUF173, OUF174, OUF175, OUF176, OUF177, OUF178, OUF179, OUF180, OUF181, OUF182, OUF183, OUF184, OUF185, OUF186, OUF187, OUF188, OUF189, OUF190, OUF191, OUF192, OUF193, OUF194, OUF195, OUF196, OUF197, OUF198, OUF199, OUF200, OUF201, OUF202, OUF203, OUF204, OUF205, OUF206, OUF207, OUF208, OUF209, OUF210, OUF211, OUF212, OUF213, OUF214, OUF215, OUF216, OUF217, OUF218, OUF219, OUF220, OUF221, OUF222, OUF223, OUF224, OUF225, OUF226, OUF227, OUF228, OUF229, OUF230, OUF231, OUF232, OUF233, OUF234, OUF235, OUF236, OUF237, OUF238, OUF239, OUF240, OUF241, OUF242, OUF243, OUF244, OUF245, OUF246, OUF247, OUF248, OUF249, OUF250, OUF251, OUF252, OUF253, OUF254, OUF255, OUF256, OUF257, OUF258, OUF259, OUF260, OUF261, OUF262, OUF263, OUF264, OUF265, OUF266, OUF267, OUF268, OUF269, OUF270, OUF271, OUF272, OUF273, OUF274, OUF275, OUF276, OUF277, OUF278, OUF279, OUF280, OUF281, OUF282, OUF283, OUF284, OUF285, OUF286, OUF287, OUF288, OUF289, OUF290, OUF291, OUF292, OUF293, OUF294, OUF295, OUF296, OUF297, OUF298, OUF299, OUF300, OUF301, OUF302, OUF303, OUF304, OUF305, OUF306, OUF307, OUF308, OUF309, OUF310, OUF311, OUF312, OUF313, OUF314, OUF315, OUF316, OUF317, OUF318, OUF319, OUF320, OUF321, OUF322, OUF323, OUF324, OUF325, OUF326, OUF327, OUF328, OUF329, OUF330, OUF331, OUF332, OUF333, OUF334, OUF335, OUF336, OUF337, OUF338, OUF339, OUF340, OUF341, OUF342, OUF343, OUF344, OUF345, OUF346, OUF347, OUF348, OUF349, OUF350, OUF351, OUF352, OUF353, OUF354, OUF355, OUF356, OUF357, OUF358, OUF359, OUF360, OUF361, OUF362, OUF363, OUF364, OUF365, OUF366, OUF367, OUF368, OUF369, OUF370, OUF371, OUF372, OUF373, OUF374, OUF375, OUF376, OUF377, OUF378, OUF379, OUF380, OUF381, OUF382, OUF383, OUF384, OUF385, OUF386, OUF387, OUF388, OUF389, OUF390, OUF391, OUF392, OUF393, OUF394, OUF395, OUF396, OUF397, OUF398, OUF399, OUF400, OUF401, OUF402, OUF403, OUF404, OUF405, OUF406, OUF407, OUF408, OUF409, OUF410, OUF411, OUF412, OUF413, OUF414, OUF415, OUF416, OUF417, OUF418, OUF419, OUF420, OUF421, OUF422, OUF423, OUF424, OUF425, OUF426, OUF427, OUF428, OUF429, OUF430, OUF431, OUF432, OUF433, OUF434, OUF435, OUF436, OUF437, OUF438, OUF439, OUF440, OUF441, OUF442, OUF443, OUF444, OUF445, OUF446, OUF447, OUF448, OUF449, OUF450, OUF451, OUF452, OUF453, OUF454, OUF455, OUF456, OUF457, OUF458, OUF459, OUF460, OUF461, OUF462, OUF463, OUF464, OUF465, OUF466, OUF467, OUF468, OUF469, OUF470, OUF471, OUF472, OUF473, OUF474, OUF475, OUF476, OUF477, OUF478, OUF479, OUF480, OUF481, OUF482, OUF483, OUF484, OUF485, OUF486, OUF487, OUF488, OUF489, OUF490, OUF491, OUF492, OUF493, OUF494, OUF495, OUF496, OUF497, OUF498, OUF499, OUF500, OUF501, OUF502, OUF503, OUF504, OUF505, OUF506, OUF507, OUF508, OUF509, OUF510, OUF511, OUF512, OUF513, OUF514, OUF515, OUF516, OUF517, OUF518, OUF519, OUF520, OUF521, OUF522, OUF523, OUF524, OUF525, OUF526, OUF527, OUF528, OUF529, OUF530, OUF531, OUF532, OUF533, OUF534, OUF535, OUF536, OUF537, OUF538, OUF539, OUF540, OUF541, OUF542, OUF543, OUF544, OUF545, OUF546, OUF547, OUF548, OUF549, OUF550, OUF551, OUF552, OUF553, OUF554, OUF555, OUF556, OUF557, OUF558, OUF559, OUF560, OUF561, OUF562, OUF563, OUF564, OUF565, OUF566, OUF567, OUF568, OUF569, OUF570, OUF571, OUF572, OUF573, OUF574, OUF575, OUF576, OUF577, OUF578, OUF579, OUF580, OUF581, OUF582, OUF583, OUF584, OUF585, OUF586, OUF587, OUF588, OUF589, OUF590, OUF591, OUF592, OUF593, OUF594, OUF595, OUF596, OUF597, OUF598, OUF599, OUF600, OUF601, OUF602, OUF603, OUF604, OUF605, OUF606, OUF607, OUF608, OUF609, OUF610, OUF611, OUF612, OUF613, OUF614, OUF615, OUF616, OUF617, OUF618, OUF619, OUF620, OUF621, OUF622, OUF623, OUF624, OUF625, OUF626, OUF627, OUF628, OUF629, OUF630, OUF631, OUF632, OUF633, OUF634, OUF635, OUF636, OUF637, OUF638, OUF639, OUF640, OUF641, OUF642, OUF643, OUF644, OUF645, OUF646, OUF647, OUF648, OUF649, OUF650, OUF651, OUF652, OUF653, OUF654, OUF655, OUF656, OUF657, OUF658, OUF659, OUF660, OUF661, OUF662, OUF663, OUF664, OUF665, OUF666, OUF667, OUF668, OUF669, OUF670, OUF671, OUF672, OUF673, OUF674, OUF675, OUF676, OUF677, OUF678, OUF679, OUF680, OUF681, OUF682, OUF683, OUF684, OUF685, OUF686, OUF687, OUF688, OUF689, OUF690, OUF691, OUF692, OUF693, OUF694, OUF695, OUF696, OUF697, OUF698, OUF699, OUF700, OUF701, OUF702, OUF703, OUF704, OUF705, OUF706, OUF707, OUF708, OUF709, OUF710, OUF711, OUF712, OUF713, OUF714, OUF715, OUF716, OUF717, OUF718, OUF719, OUF720, OUF721, OUF722, OUF723, OUF724, OUF725, OUF726, OUF727, OUF728, OUF729, OUF730, OUF731, OUF732, OUF733, OUF734, OUF735, OUF736, OUF737, OUF738, OUF739, OUF740, OUF741, OUF742, OUF743, OUF744, OUF745, OUF746, OUF747, OUF748, OUF749, OUF750, OUF751, OUF752, OUF753, OUF754, OUF755, OUF756, OUF757, OUF758, OUF759, OUF760, OUF761, OUF762, OUF763, OUF764, OUF765, OUF766, OUF767, OUF768, OUF769, OUF770, OUF771, OUF772, OUF773, OUF774, OUF775, OUF776, OUF777, OUF778, OUF779, OUF780, OUF781, OUF782, OUF783, OUF784, OUF785, OUF786, OUF787, OUF788, OUF789, OUF790, OUF791, OUF792, OUF793, OUF794, OUF795, OUF796, OUF797, OUF798, OUF799, OUF800, OUF801, OUF802, OUF803, OUF804, OUF805, OUF806, OUF807, OUF808, OUF809, OUF810, OUF811, OUF812, OUF813, OUF814, OUF815, OUF816, OUF817, OUF818, OUF819, OUF820, OUF821, OUF822, OUF823, OUF824, OUF825, OUF826, OUF827, OUF828, OUF829, OUF830, OUF831, OUF832, OUF833, OUF834, OUF835, OUF836, OUF837, OUF838, OUF839, OUF840, OUF841, OUF842, OUF843, OUF844, OUF845, OUF846, OUF847, OUF848, OUF849, OUF850, OUF851, OUF852, OUF853, OUF854, OUF855, OUF856, OUF857, OUF858, OUF859, OUF860, OUF861, OUF862, OUF863, OUF864, OUF865, OUF866, OUF867, OUF868, OUF869, OUF870, OUF871, OUF872, OUF873, OUF874, OUF875, OUF876, OUF877, OUF878, OUF879, OUF880, OUF881, OUF882, OUF883, OUF884, OUF885, OUF886, OUF887, OUF888, OUF889, OUF890, OUF891, OUF892, OUF893, OUF894, OUF895, OUF896, OUF897, OUF898, OUF899, OUF900, OUF901, OUF902, OUF903, OUF904, OUF905, OUF906, OUF907, OUF908, OUF909, OUF910, OUF911, OUF912, OUF913, OUF914, OUF915, OUF916, OUF917, OUF918, OUF919, OUF920, OUF921, OUF922, OUF923, OUF924, OUF925, OUF926, OUF927, OUF928, OUF929, OUF930, OUF931, OUF932, OUF933, OUF934, OUF935, OUF936, OUF937, OUF938, OUF939, OUF940, OUF941, OUF942, OUF943, OUF944, OUF945, OUF946, OUF947, OUF948, OUF949, OUF950, OUF951, OUF952, OUF953, OUF954, OUF955, OUF956, OUF957, OUF958, OUF959, OUF960, OUF961, OUF962, OUF963, OUF964, OUF965, OUF966, OUF967, OUF968, OUF969, OUF970, OUF971, OUF972, OUF973, OUF974, OUF975, OUF976, OUF977, OUF978, OUF979, OUF980, OUF981, OUF982, OUF983, OUF984, OUF985, OUF986, OUF987, OUF988, OUF989, OUF990, OUF991, OUF992, OUF993, OUF994, OUF995, OUF996, OUF997, OUF998, OUF999, OUF1000, OUF1001, OUF1002, OUF1003, OUF1004, OUF1005, OUF1006, OUF1007, OUF1008, OUF1009, OUF1010, OUF1011, OUF1012, OUF1013, OUF1014, OUF1015, OUF1016, OUF1017, OUF1018, OUF1019, OUF1020, OUF1021, OUF1022, OUF1023, OUF1024, OUF1025, OUF1026, OUF1027, OUF1028, OUF1029, OUF1030, OUF1031, OUF1032, OUF1033, OUF1034, OUF1035, OUF1036, OUF1037, OUF1038, OUF1039, OUF1040, OUF1041, OUF1042, OUF1043, OUF1044, OUF1045, OUF1046, OUF1047, OUF1048, OUF1049, OUF1050, OUF1051, OUF1052, OUF1053, OUF1054, OUF1055, OUF1056, OUF1057, OUF1058, OUF1059, OUF1060, OUF1061, OUF1062, OUF1063, OUF1064, OUF1065, OUF1066, OUF1067, OUF1068, OUF1069, OUF1070, OUF1071, OUF1072, OUF1073, OUF1074, OUF1075, OUF1076, OUF1077, OUF1078, OUF1079, OUF1080, OUF1081, OUF1082, OUF1083, OUF1084, OUF1085, OUF1086, OUF1087, OUF1088, OUF1089, OUF1090, OUF1091, OUF1092, OUF1093, OUF1094, OUF1095, OUF1096, OUF1097, OUF1098, OUF1099, OUF1100, OUF1101, OUF1102, OUF1103, OUF1104, OUF1105, OUF1106, OUF1107, OUF1108, OUF1109, OUF1110, OUF1111, OUF1112, OUF1113, OUF1114, OUF1115, OUF1116, OUF1117, OUF1118, OUF1119, OUF1120, OUF1121, OUF1122, OUF1123, OUF1124, OUF1125, OUF1126, OUF1127, OUF1128, OUF1129, OUF1130, OUF1131, OUF1132, OUF1133, OUF1134, OUF1135, OUF1136, OUF1137, OUF1138, OUF1139, OUF1140, OUF1141, OUF1142, OUF1143, OUF1144, OUF1145, OUF1146, OUF1147, OUF1148, OUF1149, OUF1150, OUF1151, OUF1152, OUF1153, OUF1154, OUF1155, OUF1156, OUF1157, OUF1158, OUF1159, OUF1160, OUF1161, OUF1162, OUF1163, OUF1164, OUF1165, OUF1166, OUF1167, OUF1168, OUF1169, OUF1170, OUF1171, OUF1172, OUF1173, OUF1174, OUF1175, OUF1176, OUF1177, OUF1178, OUF1179, OUF1180, OUF1181, OUF1182, OUF1183, OUF1184, OUF1185, OUF1186, OUF1187, OUF1188, OUF1189, OUF1190, OUF1191, OUF1192, OUF1193, OUF1194, OUF1195, OUF1196, OUF1197, OUF1198, OUF1199, OUF1200, OUF1201, OUF1202, OUF1203, OUF1204, OUF1205, OUF1206, OUF1207, OUF1208, OUF1209, OUF1210, OUF1211, OUF1212, OUF1213, OUF1214, OUF1215, OUF1216, OUF1217, OUF1218, OUF1219, OUF1220, OUF1221, OUF1222, OUF1223, OUF1224, OUF1225, OUF1226, OUF1227, OUF1228, OUF1229, OUF1230, OUF1231, OUF1232, OUF1233, OUF1234, OUF1235, OUF1236, OUF1237, OUF1238, OUF1239, OUF1240, OUF1241, OUF1242, OUF1243, OUF1244, OUF1245, OUF1246, OUF1247, OUF1248, OUF1249, OUF1250, OUF1251, OUF1252, OUF1253, OUF1254, OUF1255, OUF1256, OUF1257, OUF1258, OUF1259, OUF1260, OUF1261, OUF1262, OUF1263, OUF1264, OUF1265, OUF1266, OUF1267, OUF1268, OUF1269, OUF1270, OUF1271, OUF1272, OUF1273, OUF1274, OUF1275, OUF1276, OUF1277, OUF1278, OUF1279, OUF1280, OUF1281, OUF1282, OUF1283, OUF1284, OUF1285, OUF1286, OUF1287, OUF1288, OUF1289, OUF1290, OUF1291, OUF1292, OUF1293, OUF1294, OUF1295, OUF1296, OUF1297, OUF1298, OUF1299, OUF1300, OUF1301, OUF1302, OUF1303, OUF1304, OUF1305, OUF1306, OUF1307, OUF1308, OUF1309, OUF1310, OUF1311, OUF1312, OUF1313, OUF1314, OUF1315, OUF1316, OUF1317, OUF1318, OUF1319, OUF1320, OUF1321, OUF1322, OUF1323, OUF1324, OUF1325, OUF1326, OUF1327, OUF1328, OUF1329, OUF1330, OUF1331, OUF1332, OUF1333, OUF1334, OUF1335, OUF1336, OUF1337, OUF1338, OUF1339, OUF1340, OUF1341, OUF1342, OUF1343, OUF1344, OUF1345, OUF1346, OUF1347, OUF1348, OUF1349, OUF1350, OUF1351, OUF1352, OUF1353, OUF1354, OUF1355, OUF1356, OUF1357, OUF1358, OUF1359, OUF1360, OUF1361, OUF1362, OUF1363, OUF1364, OUF1365, OUF1366, OUF1367, OUF1368, OUF1369, OUF1370, OUF1371, OUF1372, OUF1373, OUF1374, OUF1375, OUF1376, OUF1377, OUF1378, OUF1379, OUF1380, OUF1381, OUF1382, OUF1383, OUF1384, OUF1385, OUF1386, OUF1387, OUF1388, OUF1389, OUF1390, OUF1391, OUF1392, OUF1393, OUF1394, OUF1395, OUF1396, OUF1397, OUF1398, OUF1399, OUF1400, OUF1401, OUF1402, OUF1403, OUF1404, OUF1405, OUF1406, OUF1407, OUF1408, OUF1409, OUF1410, OUF1411, OUF1412, OUF1413, OUF1414, OUF1415, OUF1416, OUF1417, OUF1418, OUF1419, OUF1420, OUF1421, OUF1422, OUF1423, OUF1424, OUF1425, OUF1426, OUF1427, OUF1428, OUF1429, OUF1430, OUF1431, OUF1432, OUF1433, OUF1434, OUF1435, OUF1436, OUF1437, OUF1438, OUF1439, OUF1440, OUF1441, OUF1442, OUF1443, OUF1444, OUF1445, OUF1446, OUF1447, OUF1448, OUF1449, OUF1450, OUF1451, OUF1452, OUF1453, OUF1454, OUF1455, OUF1456, OUF1457, OUF1458, OUF1459, OUF1460, OUF1461, OUF1462, OUF1463, OUF1464, OUF1465, OUF1466, OUF1467, OUF1468, OUF1469, OUF1470, OUF1471, OUF1472, OUF1473, OUF1474, OUF1475, OUF1476, OUF1477, OUF1478, OUF1479, OUF1480, OUF1481, OUF1482, OUF1483, OUF1484, OUF1485, OUF1486, OUF1487, OUF1488, OUF1489, OUF1490, OUF1491, OUF1492, OUF1493, OUF1494, OUF1495, OUF1496, OUF1497, OUF1498, OUF1499, OUF1500, OUF1501, OUF1502, OUF1503, OUF1504, OUF1505, OUF1506, OUF1507, OUF1508, OUF1509, OUF1510, OUF1511, OUF1512, OUF1513, OUF1514, OUF1515, OUF1516, OUF1517, OUF1518, OUF1519, OUF1520, OUF1521, OUF1522, OUF1523, OUF1524, OUF1525, OUF1526, OUF1527, OUF1528, OUF1529, OUF1530, OUF1531, OUF1532, OUF1533, OUF1534, OUF1535, OUF1536, OUF1537, OUF1538, OUF1539, OUF1540, OUF1541, OUF1542, OUF1543, OUF1544, OUF1545, OUF1546, OUF1547, OUF1548, OUF1549, OUF1550, OUF1551, OUF1552, OUF1553, OUF1554, OUF1555, OUF1556, OUF1557, OUF1558, OUF1559, OUF1560, OUF1561, OUF1562, OUF1563, OUF1564, OUF1565, OUF1566, OUF1567, OUF1568, OUF1569, OUF1570, OUF1571, OUF1572, OUF1573, OUF1574, OUF1575, OUF1576, OUF1577, OUF1578, OUF1579, OUF1580, OUF1581, OUF1582, OUF1583, OUF1584, OUF1585, OUF1586, OUF1587, OUF1588, OUF1589, OUF1590, OUF1591, OUF1592, OUF1593, OUF1594, OUF1595, OUF1596, OUF1597, OUF1598, OUF1599, OUF1600, OUF1601, OUF1602, OUF1603, OUF1604, OUF1605, OUF1606, OUF1607, OUF1608, OUF1609, OUF1610, OUF1611, OUF1612, OUF1613, OUF1614, OUF1615, OUF1616, OUF1617, OUF1618, OUF1619, OUF1620, OUF1621, OUF1622, OUF1623, OUF1624, OUF1625, OUF1626, OUF1627, OUF1628, OUF1629, OUF1630, OUF1631, OUF1632, OUF1633, OUF1634, OUF1635, OUF1636, OUF1637, OUF1638, OUF1639, OUF1640, OUF1641, OUF1642, OUF1643, OUF1644, OUF1645, OUF1646, OUF1647, OUF1648, OUF1649, OUF1650, OUF1651, OUF1652, OUF1653, OUF1654, OUF1655, OUF1656, OUF1657, OUF1658, OUF1659, OUF1660, OUF1661, OUF1662, OUF1663, OUF1664, OUF1665, OUF1666





Table with columns: Station, Frequency, Mode, Power, and other technical details. Includes stations like KHC Kasperke Hory, MOA Molin, SOKA Soboth, etc.

Table with columns: Station, Frequency, Mode, Power, and other technical details. Includes stations like OSTO Ostas, DPC Dobruska-Polom, DPC Dobruska-Polom, etc.

Table with columns: Station, Frequency, Mode, Power, and other technical details. Includes stations like HVU Hansel Valley, VOIR VOIR, ALN Alexandroupoli, etc.







30d 9h

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like MMAI, BRTR, BRTR, BR131, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like KHC, TUE, FIA1, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like FINES, FINES, FINES, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like ARCES, ARCES, ARCES, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like KDJ, KURB, KURK, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like MKAR, MKAR, ZALV, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like ZALV, SFJD, BLKN, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like F25K, BMAR, F21K, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like PPLA, PPLA, PEA0B, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like IDC, IDC, NEIC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like IDC, IDC, NEIC, etc.

2020 OCT

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like MMSI, PMSI, TTSI, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like TTSI, TTSI, TTSI, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like ASAR, ASAR, ASAR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like KSR, KSR, KSR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like SONM, HEH, HEH, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like ZALV, ZALV, ZALV, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like WRA, WRA, WRA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like ASAR, ASAR, ASAR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like SONM, HEH, HEH, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like MKAR, MKAR, ZALV, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like JMA, TAP, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like CHKT, CHKT, CHKT, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like WUTA, WUTA, WUTA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like DATONG, DATONG, DATONG, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like EIOS4, EIOS4, EIOS4, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like Haiduan, Haiduan, Haiduan, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like Nan Shan, Nan Shan, Nan Shan, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like Yuchr, Yuchr, Yuchr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like Beigang Elemen, Beigang Elemen, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like Datong, Datong, Datong, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like Lidau, Lidau, Lidau, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like Alishan, Alishan, Alishan, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PHUB, PNHG, Hengchun, Hatenuma jima, etc.

ADC 30 09:38:49.4±1.5, 51.48N, 16.39E, h0km, mbtmp3.5/4, ML2.7/4, Error ellipse: s-maj=20.5km s-min=11.4km az=128.0

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KSP, CHVC, OSTC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NKC, JAVC, ABNA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DSDZ, MAGL, DHSZ, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ZSN, KTMS, MK31, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MKAR, MAZK, DJR, etc.

NOU 30 10:14:58.3, 25.93S, 179.30E, h516km, mb5.1/78, South Fiji Islands
MOS 30 10:14:58.2, 0.9, 25.82S, 179.30E, h521km, mb5.3/18, Error ellipse: s-maj=9.5km s-min=9.1km az=115.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RIZ, RAO, etc.









Table with columns for name, coordinates, and status. Includes entries like VORR Voronezh, KBZ Khabaz, VSR Storozevoh, etc.

Table with columns for name, coordinates, and status. Includes entries like HRFI Mount Harif, PRNI Paran, EIL Elat, etc.

Table with columns for name, coordinates, and status. Includes entries like CLL Piszketeto, PSZ Piszketeto, VYHS Yyhne, etc.



Table with columns: LOT, SURR, KOLS, ABAB, VOIR, BZS, BZS, BZS. Rows include station names like Kolonickce sedl, Buzias, and various codes.

IDC 30 11:07:50.9.1.1,36.21N.21.79E,h0km,mb3,7.9, mblmp3.7/12,ML1.3/1,Error ellipse: s-maj=22,1km

ATH 30 11:07:54.0,35.99N.21.53E,h78km,4km,ML3.8/27, Latitude uncertainty: 2 km; Longitude uncertainty: 2 km

THE 30 11:07:56.9,36.18N.22.2E,h24km,17km,M3.6/12, MLh3.6/12

ISC 30 11:07:56.7.1.1,36.04N.0.06.21.72E,0.06,h60km,11km, n68,c118/79,mb3.87,Southern Greece

Main table for station 1697 with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Methoni, Pylos, Kythira, etc.

0.4nm,0.2s,baz=278,slow=8.8,SNR=1.4

Table for MKAR Maknachi Array and ZALV Zavelovo Beam with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

AFAD 30 11:09:11.2,37.81N.29.64E,h7km,3km,ML1.7

ISK 30 11:09:11.5,37.81N.29.62E,h6km,ML2.8/3

ISC 30 11:09:11.7.1.0,37.81N.0.03.29.63E.0.03,h10km,8km, n15,c06/28,Turkey

Main table for station 2020 OCT with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Denizli-Bozkur, Basamakli-Afyon, BURDUR-Merkez, etc.

comp=Z,136um,21.9s,baz=123,slow=54

Main table for station 30d 11h with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Honiara, Savo Central, TATA, etc.

30cd 11h

Table with columns for station name, frequency, power, and other technical details. Includes stations like MGCD Mangrove Creek, AUHUS Ulladulla High, and various Alice Springs and Darwin stations.

2020 OCT

Table with columns for station name, frequency, power, and other technical details. Includes stations like NIUE Niue, MILA Mila, SIJI Sorong, and various Kununurra and Warramunga stations.

1698

Table with columns for station name, frequency, power, and other technical details. Includes stations like WHZ Wether Hill, FORT Forrest, and various WA and VIC stations.



30d 11h

Table with columns for station ID, name, elevation, and various performance metrics (P, S, max, min, etc.) for stations like PanZhiHua, Chengdu, Baotou, etc.

2020 OCT

Table with columns for station ID, name, elevation, and various performance metrics for stations like TEZP, SHL, K13K, etc.

1700

Table with columns for station ID, name, elevation, and various performance metrics for stations like E19K, MLY, WAX, etc.





Table with columns: Station Name, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like MNK, MNSK, MNRK, etc.

Table with columns: Station Name, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like CLL, KRUC, MODS, etc.

Table with columns: Station Name, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like VASO1, BSCB, ITTB, etc.

2.6nm,0.4s
TXAR Lajitas Array 144.32 46 PKIPK 11 30 52.9 -0.9

SOME 30 11:13:25.3 41.68N-79.67E, h15km
KRNET 30 11:13:25.9 0.1 41.70N-79.59E, h16km, mb3.0

ISC 30 11:13:30.5 3.1 41.80N-0.09-79.42E, 0.08, h8km, 15km, n15, c1986/27, 8C-4D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their recorded data.

JMA 30 11:26:44.9 0.2 25 N 122.22E, 0.4, h120km, 1km, MV2, 7/16, TAIWAN REGION

TAP 30 11:26:44.5 24.89N-122.24E, h126km, ML4.1, C
ISC 30 11:26:44.3 1.3 24.89N-0.04-122.22E, 0.02, h128km, 6km, n157, c078/293, Taiwan region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their recorded data.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their recorded data.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their recorded data.

TEH 30 11:35:42.3 30.64N-50.06E, h12km, 16km, ML3.4, Presumed earthquake

OMAN 30 11:35:52.0 1.6 29.84N-50.13E, h28km-21km, mb3.1/6, ms2.7/5, Error ellipse: s-maj=18.1km s-min=5.9km az=1.0

ISC 30 11:35:41.7 0.9 30.43N-0.05-50.09E, 0.05, h10km, n40, c241/57, Northern and central Iran

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their recorded data.

IDC 30 11:37:27.6 1.9 6.15N-125.28E, h0km, mb3.8/5, mbtmp3.8/5, Error ellipse: s-maj=205.0km s-min=19.7km az=65.0

MAN 30 11:37:33.0 6.56N-126.37E, h28km, MS3.4
ISC 30 11:37:31.0 1.4 6.63N-0.0-126.43E, 0.06, h30km, 11km, n16, c20/25, mb3.9/5, Mindanao

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their recorded data.

30d 11h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include ASAR Alice Springs, STKA Stephens Creek, MKAR Makanchi Array, KURBB Kurchatov Arra, etc.

ICD 30 11:46:41.0t.1.1.27.93N:104.99E,h0km,mb3.7/5, mbmp3.6/6, Error ellipse: s-maj=85.7km s-min=18.9km az=61.0
ISC 30 11:46:45.9.1.3.28.1N:0.2t.105.2E:0.4,h35km,m6, 1523/6,mb3.7/5,Sichuan
Code Station Name Az Phase ID Time Res

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include GMLD Gumuldur, KUSD Kusadasi-Aydin, GCAM Gzeicami?, BLCB Balcova

2020 OCT

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include BLCB Balcova, CESE erna, DIDI Didim-Aydin, KRBN Karaburun, CHOS Chios island, etc.

1704

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include BOZC, ARG Arkhangelos, ARG Arkhangelos, ARG Arkhangelos, etc.

ME6	Megalochori,Me	2.71 264	P	Pn	11 52 08.6 -1.6	ELBA	Catalca	3.49 21	P	Pn	11 52 19.1 -1.8	RAZG	Razgrad	5.66 358	UP	Pn	11 52 52.1 +1.4	
ME2	Kameni Chora,	2.73 265	P	Pn	11 52 08.6 -1.9	ELBA	Gebze-Kocaeli	3.49 34	Pn	Pn	11 52 21.0 +0.1	GOKD	Ankara-Kalecik	5.66 65	P	Pn	11 52 52.8 +1.9	
VILL	Villia	2.73 276	P	Pn	11 52 09.5 -1.0	LAFa	LAFa			AML	AML	BR101	Keskin Array S	5.67 69	Pn	Pn	11 52 50.5 -0.6	
VILL			AML	AML		TUZL	Tuzla-Istanbul	3.50 33	Pn	Pn	11 52 21.0 +0.1	BR131	Keskin Array S	5.67 69	Pn	Pn	11 52 51.7 +0.6	
SMTH	Samothraki Isl	2.73 340	P	Pn	11 52 09.2 -1.4	TUZL	TUZL			AML	AML	BR131	SNR=963		S	Sn	11 53 57.3 +1.3	
ENZZ	Sultanice-Enez	2.74 350	Pn	Pn	11 52 10.0 -0.6	OSMT	Osmaniye	3.50 39	Pn	Pn	11 52 21.0 -0.1	BR131	Keskin Array S	5.67 69	iP	Pn	11 52 50.4 -0.6	
ENZZ			AML	AML		OSMT				AML	AML	BR131	Keskin Array S	5.67 69	Pn	Pn	11 52 50.4 -0.6	
GOKD	Marmara adras	2.75 13	P	Pn	11 52 08.8 -1.9	HISA	Kavala	3.54 331	Pn	Pn	11 52 22.1 +0.5	BR131	Keskin Array S	5.67 69	Pn	Pn	11 52 50.5 -0.6	
MADT	Kean, EDEN	2.75 358	P	Pn	11 52 10.3 -0.5	HISA	Bilecik-Osmane	3.55 43	Pn	Pn	11 52 23.2 +1.4	BRTR	comp=Z,42nm,0.3s,baz=249,slow=13,SNR=222		Pn	Pn	11 52 50.3 -0.8	
ELL	Elmali	2.77 114	Pn	Pn	11 52 10.8 -0.3	GBZT	Gebze	3.56 35	P	Pn	11 52 20.4 -1.4	BRTR	comp=Z,741nm,0.6s		Lg	Lg	11 54 27.8	
ELL	Elmali	2.77 114	AML	AML		PLG	Polygyros	3.56 315	P	Pn	11 52 21.4 -0.6	BRTR						
ELL	Elmali	2.77 114	Pn	Pn	11 52 10.5 -0.6	SGAZ	Eskisehir, Sey	3.58 62	Pn	Pn	11 52 22.5 +0.3	BRTR						
ELL	Elmali	2.77 114	UP	Pn	11 52 10.3 -0.8	CTKS	Kestaneeli-??a	3.59 22	Pn	Pn	11 52 21.8 -0.5	BRTR	Keskin Array B	5.67 69	eP	AML	AML	11 52 49.8 -1.3
ELL	Elmali	2.77 114	P	Pn	11 52 10.4 -0.6	KAVV	Kandilli-Istan	3.62 29	Pn	Pn	11 52 21.8 -0.9	BRTR	Keskin Array B	5.67 69	Pn	Pn	11 52 49.9 -1.3	
ERIK	Erikli-Kesan	2.77 356	AML	AML	11 52 09.4 -1.6	BOGZ	Bogazkoy	3.62 35	Pn	Pn	11 52 23.9 -0.9	GULN	MERSIN Gulnar	5.70 105	P	Pn	11 52 52.3 +1.1	
ERIK			AML	AML		ISMK	Istanbul-Kandi	3.62 29	Pn	Pn	11 52 23.2 +0.4	KEK	Kerkira	5.73 291	P	Pn	11 52 51.7 +0.1	
VIL2	Platees	2.77 277	P	Pn	11 52 09.0 -2.1	ISK	Istanbul-Kandi	3.62 29	Pn	Pn	11 52 23.3 +0.1	KEK	Kerkira	5.73 291	UP	Pn	11 52 52.5 +0.9	
VIL2			AML	AML		CATL	atalca, ST	3.65 19	P	Pn	11 52 23.1 +0.1	KEK	Kerkira	5.73 291	UP	Pn	11 52 51.4 -0.2	
MRMT	Marmara Adasi	2.77 13	Pn	Pn	11 52 10.0 -1.1	AGG	Agios Georgios	3.65 289	UP	Pn	11 52 22.5 +0.6	KEK	Kerkira	5.73 291	P	Pn	11 52 52.7 +1.0	
MRMT			AML	AML		AGG	Agios Georgios	3.65 289	UP	Pn	11 52 22.8 -0.3	comp=Z,5um,1.4s,comp=Z,148um,comp=Z,2052um						
NPS	Neapolis	2.79 200	AML	AML	11 52 10.2 -1.2	GPA	Golpazarı	3.65 48	Pn	Pn	11 52 23.2 +0.1	KIRS	Kirsehir-Merke	5.75 75	UP	Pn	11 52 55.1 +3.1	
NPS			AML	AML		SATE	Sancaktepe,	3.67 31	Pn	Pn	11 52 22.9 -0.5	KIRS	Kirsehir-Merke	5.75 75	P	Pn	11 52 52.8 +0.8	
NPS	Neapolis	2.79 200	P	Pn	11 52 09.6 -1.8	CIFT	Cifteler, Eski	3.67 65	Pn	Pn	11 52 23.2 -0.3	ELDT	Eldivan	5.79 61	Pn	Pn	11 52 53.5 +1.4	
NPS	Neapolis	2.79 200	P	Pn	11 52 09.1 -2.3	CIFT				AML	AML	PSN	Prelesentsi	5.82 10	P	Pn	11 52 54.9 +2.3	
RKY	Sarkoy-Tekirda	2.80 7	Pn	Pn	11 52 10.4 -1.1	CIFT				AML	AML	TRAN	Tran	5.84 329	UP	Pn	11 52 52.6 -0.3	
RET3	Ano Fanari,Met	2.82 264	AML	AML	11 52 09.7 -2.0	HRT	Hereke	3.69 37	Pn	Pn	11 52 23.2 -0.4	ZIMR	Zimra	5.84 350	UP	Pn	11 52 54.0 +0.8	
RET3			AML	AML		SRCK	Saracakaya, Es	3.69 34	Pn	Pn	11 52 23.9 +0.2	ZIMR						
ZKR	Zakros	2.82 189	Pn	Pn	11 52 10.1 -1.6	GVD	Gavdhos	3.74 216	Pn	Pn	11 52 23.5 -0.9	AKPI	Konya-Eregli	5.88 72	P	Pn	11 52 54.7 +1.5	
ZKR			AML	AML		GVD	Gavdhos	3.74 216	Pn	Pn	11 52 23.5 +2.9	MPEP	Malo Peshtene	5.91 338	P	Pn	11 52 53.8 +0.6	
ZKR	Zakros	2.82 189	P	Pn	11 52 11.1 -0.6	UCKU	Alyonkarahisar	3.75 77	UP	Pn	11 52 23.5 -1.1	DEL1	KIRIKKALE	5.96 67	P	Pn	11 52 55.1 +1.2	
ZKR	Zakros	2.82 189	P	Pn	11 52 09.7 -2.7	CTYL	Falyon Yolu	3.75 78	UP	Pn	11 52 23.9 -0.9	TSMN	Mangalia Port-	6.05 13	UP	Pn	11 52 57.4 +3.3	
CAVK	Edirne/Enez-Ca	2.82 351	UP	Pn	11 52 14.2 +2.5	CTYL	Yailoy Yolu	3.76 18	P	Pn	11 52 24.7 +0.1	CSM	Mathiatis	6.06 117	UP	Pn	11 52 56.6 +1.6	
CAVK			UP	Sn	11 52 47.2 +1.9	CTYL				AML	AML	CSM	Mathiatis	6.06 117	UP	Pn	11 52 58.0 +1.9	
CAVK	Edirne/Enez-Ca	2.82 351	P	Pn	11 52 11.3 -0.4	STEM	Kocaeli-KIrfre	3.76 37	P	Pn	11 52 24.4 -0.2	CSM	Mathiatis	6.06 117	UP	Pn	11 52 53.9 -2.3	
AKAS	Kas	2.83 125	Pn	Pn	11 52 11.1 -0.8	VIZE	Kirkareli, Vi	3.76 12	P	Pn	11 52 22.9 -1.7	CSM	Mathiatis	6.06 117	UP	Pn	11 52 52.5 -3.7	
AKAS	Kas	2.83 125	P	Pn	11 52 11.2 -0.8	GEVY	SAKARYA, Geyve	3.77 46	P	Pn	11 52 25.1 +0.4	CSM	Mathiatis	6.06 117	UP	Pn	11 52 54.5 -1.6	
AKAS	Kas	2.83 125	P	Pn	11 52 10.4 -1.5	PHSR	Pharsisar	3.77 9	Pn	Pn	11 52 24.9 0.0	comp=Z,32nm,comp=Z,81um,comp=Z,6um,0.9s	CSM	Mathiatis	6.06 117	UP	Pn	11 52 54.9 -1.4
AKAS	Kas	2.83 125	P	Pn	11 52 11.2 -0.8	KLYT	Kilyos	3.78 27	Pn	Pn	11 52 26.5 +0.4	CSM	Mathiatis	6.06 117	UP	Pn	11 52 54.9 -1.4	
ENEZ	Enez	2.87 351	Pn	Pn	11 52 11.0 -1.3	GULT	Gulveren	3.86 48	Pn	Pn	11 52 25.8 -0.4	CSM	Mathiatis	6.06 117	UP	Pn	11 52 54.9 -1.4	
ENEZ			AML	AML		MNVG	Manavgat-Antal	3.88 105	Pn	Pn	11 52 25.8 -0.4	CSM	Mathiatis	6.06 117	UP	Pn	11 52 54.9 -1.4	
ENEZ	Enez	2.87 351	Pn	Pn	11 52 10.8 -1.6	KDZ	Kurdzhalı	3.88 344	Pn	Pn	11 52 26.2 -0.1	CSM	Mathiatis	6.06 117	UP	Pn	11 52 54.6 -1.6	
ENEZ			AML	AML		KDZ	Kurdzhalı	3.88 344	Pn	Pn	11 52 26.4 +0.1	CSM	Mathiatis	6.06 117	UP	Pn	11 52 53.3 -2.9	
ALT	Altintas	2.87 65	Pn	Pn	11 52 12.9 +0.4	KDZ	Kurdzhalı	3.88 344	Pn	Pn	11 52 24.9 -1.4	MANR	Mangalia	6.07 13	UP	Pn	11 52 58.5 +2.2	
ALT			AML	AML		KIRK	Kirkareli	3.88 4	P	Pn	11 52 25.9 -0.3	PHP	Peshkopia	6.16 310	P	Pn	11 52 59.9 +2.4	
GAZK	Gazikoy-TEKIRD	2.87 9	Pn	Pn	11 52 11.6 -0.8	DOGA	KONYA_Doganhis	3.88 86	P	Pn	11 52 27.6 +1.1	PVO	Peshkopia	6.16 310	UP	Pn	11 52 60.0 +2.4	
GAZK			AML	AML		ITM	Ithomi	3.91 261	Pn	Pn	11 52 25.8 -0.9	comp=Z,168um,comp=Z,3um,1.1s,comp=Z,2598um						
YVL2	Yavliacik	2.88 33	Pn	Pn	11 52 11.0 -1.6	ITM	Ithomi	3.91 261	Pn	Pn	11 52 29.0 +0.3	comp=Z,275um,comp=Z,10um,1.4s,comp=Z,1811um						
EPID	Epidavros	2.90 265	P	Pn	11 52 11.7 -1.1	ITM	Ithomi	3.91 261	UP	Pn	11 52 26.5 -0.2	CIDE	Kastamonu/Cide	6.20 48	UP	Pn	11 53 00.4 +2.3	
EPID			AML	AML		ITM	Ithomi	3.91 261	P	Pn	11 52 27.0 +0.3	ILGA	Ilgaz	6.23 58	Pn	Pn	11 53 05.6 +0.8	
EPID			AML	AML		SOH	Sokhos	3.93 319	Pn	Pn	11 52 26.9 -0.2	ICOR	Ion Corvin	6.26 7	UP	Pn	11 53 00.1 +1.2	
ULDT	Uludag	2.90 33	Pn	Pn	11 52 12.7 -0.3	SOH	Sokhos	3.93 319	Pn	Pn	11 52 27.6 +0.5	CICN	Cicocanesti	6.29 2	UP	Pn	11 53 01.1 +1.8	
KESN	Ezirne-Kesan	2.92 359	P	Pn	11 52 13.8 +0.6	COB	Coblenz	3.94 360	UP	Pn	11 52 27.0 +1.0	VALD	Valchedram	6.30 338	UP	Pn	11 53 00.8 +1.3	
AFYO	Afyonkarahisar	2.92 71	P	Pn	11 52 12.0 -1.2	SILT	Sile	3.94 34	UP	Pn	11 52 30.5 +3.4	COPA	Calpeancea	6.33 350	UP	Pn	11 53 01.1 +1.2	
IACM	Heraklion	2.93 208	P	Pn	11 52 12.0 -1.2	SILT	Sile	3.94 34	UP	Pn	11 52 28.0 +0.6	TIRR	Tirane	6.33 305	P	Pn	11 53 03.6 +3.6	
IACM			AML	AML		SAUV	Serdivan-Sakar	3.96 43	Pn	Pn	11 52 27.0 -0.7	SGRR	Singureni	6.34 355	UP	Pn	11 53 02.3 +2.2	
ANDZ	Kutahya, Merke	2.94 56	P	Pn	11 52 15.0 +1.6	ARMN	Kirkareli, Me	3.99 7	P	Pn	11 52 27.0 -0.7	ICOR	Ion Corvin	6.34 344	UP	Pn	11 53 04.1 +1.6	
ANDZ			S	Sg	11 53 01.5 -0.2	SEVJ	Antalya-Kepez	3.99 103	UP	Pn	11 52 31.0 +3.2	MFR	Murfatlar	6.39 11	UP	Pn	11 53 03.4 +2.6	
KUTH	Kutahya	2.96 59	S	Sg	11 52 14.0 +0.2	KEPZ	Antalya-Kepez	3.99 103	UP	Pn	11 52 27.0 -0.4	TSC	Costanta Port	6.41 12	UP	Pn	11 53 04.2 +3.1	
DOMA	Ktahya-Doman	2.96 50	P	Pn	11 52 15.1 +3.3	SEDI	Konya, Seydisse	3.99 95	P	Pn	11 52 29.4 +1.4	CVDA	Cernavoda	6.50 8	UP	Pn	11 53 04.6 +2.3	
MDNY	Mudanya-Bursa	2.96 33	Pn	Pn	11 52 12.6 -1.1	CTIK	Konya-Celtik	3.99 72	P	Pn	11 52 28.8 +0.8	BLBK	Belgradchik	6.50 333	UP	Pn	11 53 05.8 +2.7	
MDNY			AML	AML		SUSU	Bolu-GIynk-	4.00 51	P	Pn	11 52 29.9 +0.9	LEHL	Lehlu	6.56 0	UP	Pn	11 53 06.7 +2.7	
ISP	Isparta	2.98 90	Pn	Pn	11 52 13.6 -0.4	THE	Thessaloniki	4.01 314	UP	Pn	11 52 27.7 -0.7	TIIR	Tirguishti	6.67 10	UP	Pn	11 53 06.2 +1.7	
ISP	Isparta	2.98 90	AML	AML		THE	Thessaloniki	4.01 314	UP	Pn	11 52 27.7 -0.7	TIIR	Tirgusor	6.67 10	P	Pn	11 53 06.2 +1.7	
ISP	Isparta	2.98 90	ceP	Pn	11 52 12.8 -1.2	SRR	Serrai	4.03 324	P	Pn	11 52 29.1 +0.6	TIIR	Tirgusor	6.67 10	P	Pn	11 53 03.0 -1.5	
ISP	Isparta	2.98 90	P	Pn	11 52 12.5 -1.5	SVRH	Sivrihisar-ESK	4.04 66	Pn	Pn	11 52 29.1 +0.6	TIIR	Tirgusor	6.67 10	P	Pn	11 53 04.1 -0.4	
ISP	Isparta	2.98 90	eP	Pn	11 52 16.1 +2.0	SEVJ	SIVRIHISAR	4.04 66	P	Pn	11 52 29.5 +0.8	TIIR	Tirgusor	6.67 10	P	Pn	11 53 03.0 -1.5	
ISP	Isparta	2.98 90	UP	Pn	11 52 12.0 -2.0	AUSY	Seydishisar-KON	4.06 95	Pn	Pn	11 52 29.1 +0.2	TIIR	Tirgusor	6.67 10	P	Pn	11 53 04.1 -0.4	
ISP	Isparta	2.98 90	UP	Pn	11 52 13.3 -0.4	RZL	Rzeszow	4.09 330	UP	Pn	11 52 29.3 -0.4	TLBR	Topalu	6.70 8	UP	Pn	11 53 06.8 +1.7	
IMRA	Mudanya	2.99 27	P	Pn	11 52 13.9 -0.1	KAYN	Sakarya, Kayna	4.13 41	UP	Pn	11 52 29.1 -0.9	AMRR	Amara	6.71 4	UP	Pn	11 53 06.8 +1.6	
LTK	Loutraki	3.00 273	P	Pn	11 52 13.3 -0.9	KIZT	Kizilcal	4.14 75	Pn	Pn	11 52 31.0 -0.4	AMRR	Amara	6.71 4	UP	Pn	11 53 06.8 +1.6	
KORT	Korkuei	3.00 106	Pn	Pn	11 52 14.2 -0.1	DIM	Dimitrovgrad	4.23 348	P	Pn	11 52 32.1 +0.7	HMRH	Humel	6.75 349	UP	Pn	11 53 05.2 -0.5	
KORT			AML	AML		BYAS	Taskesti	4.24 50	P	Pn	11 52 32.1 +0.5	SULR	comp=Z,415um,comp=Z,4um,1.2s,comp=Z,4360um					
KORT</																		









1709

Table with columns for station name, frequency, power, and other technical details. Includes stations like FINES, HOMB, TAM, HFS, WOL, EALB, etc.

2020 OCT

Table with columns for station name, frequency, power, and other technical details. Includes stations like HPK, HVL, YAF, ECAB, etc.

30d 11h

Table with columns for station name, frequency, power, and other technical details. Includes stations like EKA, ESK, ESK, ESK, etc.



1711

KSH2	comp=Z,10µm,7.7s	L	L		
KSH2	comp=Z,53µm,21.3s	L	L		
KSH2	comp=Z,53µm,19.0s	L	L		
JMIC	comp=Z,66µm,24.1s	37.84	342	eP	P
JNW	Jan Mayen	37.85	342	eP	P
JNW	Jan Mayen West				
JNW	comp=Z,17µm,3.1s			IVmB_BB	
JNW		eS	S		12 04 34.0 +0.9
JNW		eS	S		12 08 52.7 -1.4
JNW		IVmS_BB	IVmS_BB		12 17 21.2
JMI	comp=Z,69µm,12.8s	37.86	342	eP	P
JMI	Jan Mayen				11 58 45.5 +2.6
JMI	comp=Z,12µm,2.6s			IVmB_BB	
JMI		eS	S		12 04 34.5 +1.4
JMI		IVmS_BB	IVmS_BB		12 11 05.6
AAA	Alma-Ata	38.01	66	eP	P
AAA	comp=Z,7µm,34.4s				11 58 44.6 0.0
AAA	comp=Z,968nm,2.0s			pmx	pmx
AAA	comp=Z,968nm,2.0s			MLR	MLR
AAA	Alma-Ata	38.01	66	eP	P
AAA	comp=Z,968nm,2.0s			LR	LR
AAA	comp=Z,74µm,18.0s				12 16 02.1
TNSS	Tian-Shan	38.06	66	eP	P
TNSS	Tian-Shan	38.06	66	eP	P
MDOK	Medeo	38.11	66	eP	P
MDOK	Medeo	38.11	66	eP	P
MDOK	comp=Z,11µm,1.5s			LR	LR
ASAI	AK-SAY(Kyrgyzs)	38.15	69	P	P
KURBB	Kurchatov Arra	38.43	54	P	P
KURBB	comp=Z,65nm,0.9s,baz=278,slow=8.1,SNR=146			PP	PP
KURBB	comp=Z,97nm,0.9s,baz=278,slow=8.1,SNR=1.1			PP	PP
KURBB	comp=Z,83nm,0.9s,baz=267,slow=4.3,SNR=3.6			PcP	PcP
KURBB	comp=Z,130µm,20.4s,baz=278,slow=41			LR	LR
KURBB	comp=Z,65nm,0.9s				12 17 52.4
KURBB	Kurchatov Arra	38.43	54	P	P
KURK	Kurchatov	38.48	53	P	P
KURK	comp=Z,89µm,comp=Z,16µm,comp=Z,574nm,1.9s				11 58 46.5 -1.5
KURK	comp=Z,762nm,1.3s			MLR	MLR
KURK	comp=Z,119µm,18.0s				11 58 47.6 -0.8
KURK	Kurchatov	38.48	53	P	P
KURK	comp=Z,89µm,comp=Z,16µm,comp=Z,574nm,1.9s				12 17 24.8
MBAR	Mbarara	38.49	174	LR	LR
MBAR	comp=Z,307µm,20.0s,baz=351,slow=41				12 04 48.2 +4.1
MBAR	Mbarara	38.49	174	S	S
MBAR	Mbarara	38.49	174	P	P
MBAR	comp=Z,1µm,1.5s			pmx	pmx
MBAR	comp=Z,332µm,20.0s			MLR	MLR
MBAR	Mbarara	38.49	174	P	P
MBAR	comp=Z,1µm,1.4s			IAMB	IAMB
MBAR	Mbarara	38.49	174	IAMS_20	IAMS_20
MBAR	comp=Z,332µm,20.0s				12 17 13.1
MBAR	Mbarara	38.49	174	P	P
MBAR	comp=Z,157µm,comp=Z,15µm,comp=Z,564nm,1.3s				11 58 49.1 +0.1
MBAR	Mbarara	38.49	174	P	P
JASL	Jaisalmer	38.53	93	P	P
JASL	Jaisalmer	38.53	93	x	x
HOPEN	Hopen	38.71	359	eP	P
HOPEN	comp=Z,11µm,2.1s			IVmB_BB	
HOPEN		eS	S		12 04 49.2 +3.3
HOPEN		IVmS_BB	IVmS_BB		12 16 22.8
SRNI	Trinagar	38.74	81	eP	P
TDK	Taldygorghan	38.80	63	eP	P
TDK	comp=Z,2µm,2.5s			pmx	pmx
TDK	comp=Z,83µm,17.0s			MLR	MLR
TDK	Taldygorghan	38.80	63	eP	P
TDK	comp=Z,2µm,2.5s				11 58 51.1 -0.1
TDK		eS	S		12 04 49.5 +1.5
TDK		LR	LR		12 16 36.9
BORG	Borgarnes	38.80	329	LR	LR
BORG	comp=Z,220µm,21.6s,baz=116,slow=37				11 58 50.7 -0.2
BORG	Borgarnes	38.80	329	P	P
BORG	comp=Z,694nm,1.3s			MLR	MLR
BORG	comp=Z,242µm,21.0s				11 58 50.7 -0.2
BORG	Borgarnes	38.80	329	IAMS_20	IAMS_20
BORG	comp=Z,242µm,21.0s				12 15 02.9
BORG	Borgarnes	38.80	329	↑P	↑P
BORG	Borgarnes	38.80	329	P	P
TARG	Taragay, Kyrgy	38.93	68	P	P
TARG	comp=Z,116µm,comp=Z,26µm,comp=Z,533nm,2.0s,comp=Z,29µm				11 58 54.1 +1.3
TARG	Taragay, Kyrgy	38.93	68	IAMB	IAMB
TARG	comp=Z,2µm,1.5s				11 58 54.1 +1.3
SATY	Saty	39.11	66	eP	P
SATY	comp=Z,79µm,comp=Z,20µm,comp=Z,773nm,2.2s				12 05 53.8 -0.1
SATY		eS	S		12 04 54.0 +1.0
SATY	comp=Z,909nm,1.4s			pmx	pmx
SATY	Saty	39.11	66	eP	P
SATY	comp=Z,910nm,1.4s				11 58 53.9 -0.1
SATY	Jammu	39.20	83	eP	P
PRZ	Przheval'sk	39.22	67	P	P
PRZ	Przheval'sk	39.22	67	IAMB	IAMB
PRZ	comp=Z,976nm,1.2s				11 59 04.0
BHUJ	Bhuj	39.36	99	eP	P
BHUJ	comp=Z,478nm,0.7s				11 58 56.4 +0.8
BHUJ		iX	x		12 00 29.3
SEM	Semipalatinsk	39.53	54	eP	P
SEM	comp=Z,1µm,2.7s			pmx	pmx
SEM		MLR	MLR		11 58 57.4 -0.1
SEM	comp=Z,38µm,17.0s				11 58 57.4 -0.1
SEM	Semipalatinsk	39.53	54	eP	P
SEM	comp=Z,1µm,2.7s			LR	LR
SEM	comp=Z,38µm,17.4s				12 17 11.7
UZB	Uzymbulak	39.54	65	eP	P
UZB	comp=Z,952nm,2.3s				11 58 57.4 -0.2
UZB	Uzymbulak	39.54	65	eP	P
UZB	comp=Z,952nm,2.3s				12 05 00.8 +1.4
UZB	Uzymbulak	39.54	65	eP	P
UZB	comp=Z,952nm,2.3s				11 58 57.4 -0.2
SRGN	SRI GANGA NAGA	39.57	87	eP	P
PDGK	Podgornoye	39.84	65	P	P
PDGK	Podgornoye	39.84	65	P	P
SHLS	Shalkode	39.85	65	eP	P
SHLS	comp=Z,952nm,2.3s			pmx	pmx
SHLS	Shalkode	39.85	65	eP	P
SHLS	comp=Z,952nm,2.3s				11 59 02.5 +2.4
BKNR	BIKANER	39.91	90	P	P
KMED	Kilima Mbogo	40.03	164	LR	LR
KMED	comp=Z,182µm,19.6s,baz=348,slow=40				11 59 01.0 +0.4
THN	Thain Dam	40.08	86	IAMB	IAMB
WUS	Wushu	40.22	88	IAMB	IAMB
WUS	comp=Z,3µm,1.5s				11 59 11.1 -0.8
TSSA	Tissa	40.22	82	eP	P
TLWR	Talwar	40.40	83	eP	P
ACRG	Acara	40.41	224	P	P
ACRG	comp=Z,118µm,comp=Z,14µm,comp=Z,476nm,0.9s				11 59 07.3 -1.1
ALCI	Alchi Leh	40.53	79	eP	P
ALCI	Alchi Leh	40.53	79	eP	P
DHRM	DHARAMSHALA	40.55	83	eP	P
BART	Pico Bartolome	40.56	286	eP	P
BART	comp=Z,849nm,1.5s			IAMB	IAMB
SPB2	Spitsbergen Ar	40.61	357	P	P
SPB2	comp=Z,2µm,1.6s			IAMB	IAMB
SPB2	Spitsbergen Ar	40.62	357	eP	P
SPB2	comp=Z,2µm,1.6s				11 59 06.2 +0.3
SPB2	Spitsbergen Ar	40.62	357	eP	P
SPB2	comp=Z,2µm,1.6s				12 00 38.2 -1.1

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SPA0	Spitsbergen Ar	40.62	357	P	P
SPA0	comp=Z,163nm,1.1s,baz=163,slow=10,SNR=17				12 05 29.5
SPA0	Spitsbergen Ar	40.62	357	P	P
SPA0	comp=Z,163nm,1.1s,baz=163,slow=10,SNR=17				11 59 05.5 -0.4
SPA0	Spitsbergen Ar	40.62	357	P	P
SPA0	comp=Z,110nm,1.3s,baz=182,slow=11,SNR=19			LR	LR
SPA0	Spitsbergen Ar	40.62	357	P	P
SPA0	comp=Z,314µm,20.9s,baz=174,slow=38				12 13 19.2
PSMN	Pico do Norte,	40.71	285	eP	P
PSMN	comp=Z,2µm,1.8s			IAMB	IAMB
PSMN	Pico do Norte,	40.71	285	eP	P
PSMN	comp=Z,2µm,1.8s				11 59 06.7 -0.5
PSMN	Pico do Norte,	40.71	285	eP	P
PSMN	comp=Z,2µm,1.8s				11 59 21.7
PGRON	Lagoa das Cont	40.72	286	eP	P
PGRON	comp=Z,1µm,1.9s			IAMB	IAMB
PGRON	Lagoa das Cont	40.72	286	eP	P
PGRON	comp=Z,1µm,1.9s				11 59 06.7 -0.6
PGRON	Lagoa das Cont	40.72	286	eP	P
PGRON	comp=Z,1µm,1.9s				11 59 21.3
PCALD	Caldreiras da R	40.79	287	eP	P
CMLA	Cha da Macela	40.83	287	eP	P
CMLA	comp=Z,1µm,1.8s			IAMB	IAMB
CMLA	Cha da Macela	40.83	287	eP	P
CMLA	comp=Z,1µm,1.8s				11 59 07.1 -0.7
CMLA	Cha da Macela	40.83	287	eP	P
CMLA	comp=Z,1µm,1.8s				11 59 22.4
CMLA	Cha da Macela	40.83	287	eP	P
CMLA	comp=Z,1µm,1.8s				11 59 12.3 +4.1
PDA	Ponta Delgada	40.94	287	eP	P
PDA	comp=Z,72µm,comp=Z,15µm,comp=Z,453nm,1.1s,comp=Z,15µm				11 59 07.5 -1.5
PDA	Ponta Delgada	40.94	287	eP	P
PDA	comp=Z,72µm,comp=Z,15µm,comp=Z,453nm,1.1s,comp=Z,15µm				11 59 23.5
MAKZ	Makanchi	41.01	59	P	P
MAKZ	comp=Z,2µm,1.9s			pmx	pmx
MAKZ	Makanchi	41.01	59	P	P
MAKZ	comp=Z,2µm,1.9s				11 59 08.9 -0.7
MAKZ	Makanchi	41.01	59	P	P
MAKZ	comp=Z,2µm,1.9s				11 59 23.5
MAKZ	Makanchi	41.01	59	P	P
MAKZ	comp=Z,2µm,1.9s				11 59 08.9 -0.7
MAKZ	Makanchi	41.01	59	P	P
MAKZ	comp=Z,2µm,1.9s				11 59 23.5
MAKZ	Makanchi	41.01	59	P	P
MAKZ	comp=Z,2µm,1.9s				11 59 08.9 -0.7
MAKZ	Makanchi	41.01	59	P	P
MAKZ	comp=Z,2µm,1.9s				11 59 23.5
MAKZ	Makanchi	41.01	59	P	P
MAKZ	comp=Z,2µm,1.9s				11 59 08.9 -0.7
MAKZ	Makanchi	41.01	59	P	P
MAKZ	comp=Z,2µm,1.9s				11 59 23.5
MAKZ	Makanchi	41.01	59	P	P
MAKZ	comp=Z,2µm,1.9s				11 59 08.9 -0.7
MAKZ	Makanchi	41.01	59	P	P
MAKZ	comp=Z,2µm,1.9s				11 59 23.5
MAKZ	Makanchi	41.01	59	P	P
MAKZ	comp=Z,2µm,1.9s				11 59 08.9 -0.7
MAKZ	Makanchi	41.01	59	P	P
MAKZ	comp=Z,2µm,1.9s				11 59 23.5
MAKZ	Makanchi	41.01	59	P	P
MAKZ	comp=Z,2µm,1.9s				11 59 08.9 -0.7
MAKZ	Makanchi	41.01	59	P	P
MAKZ	comp=Z,2µm,1.9s				11 59 23.





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Table with columns: CMAR, Chiang Mai Arr, 65.03 85, i/P, P, 12 02 05.1 -1.9, SUR, Sutherland, 70.14 185, P, P, 12 02 40.6 +1.5, MA2, Magadan, 72.46 26, P, P, 12 02 52.8 +0.2, etc.

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Table with columns: SUR, Sutherland, 70.14 185, P, P, 12 02 40.6 +1.5, SUR, Sutherland, 70.14 185, P, P, 12 02 39.5 +0.5, MA2, Magadan, 72.46 26, P, P, 12 02 52.8 +0.2, etc.

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Table with columns: MA2, Magadan, 72.46 26, P, P, 12 02 52.8 +0.2, MA2, Magadan, 72.46 26, P, P, 12 02 52.8 +0.2, WCNV, West Carthage, 72.50 312, IAMS\_20, IAMS\_20, 12 32 04.8, etc.



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Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like 1J18K Innoko River, BCAR Beaver Creek, TRF Thorofore Moun, etc.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like PET Petropavlovsk, PET Petropavlovsk, PET Petropavlovsk, etc.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like YUK e, YUK eS, YUK eSS, etc.



Table with columns for station name, frequency, power, and change. Includes stations like MGVC Manicaragua, VAS01 Vassouras-RJ, YMP Mirror Lake Pl, etc.

Table with columns for station name, frequency, power, and change. Includes stations like BLNP Bacolod Lanao, BLNP Bacolod Lanao, BLNP Bacolod Lanao, etc.

Table with columns for station name, frequency, power, and change. Includes stations like SJCC San Jacinto, SJCC San Jacinto, SJCC San Jacinto, etc.





MLh5.1/4
ISC 30 11:53:53.5-1.2, 37.91N:0.02-26.80E:0.02, h3km, 10km,
n36, c1905/53, Dodecanese Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual. Includes stations like zmir, Bodrum, Milas, Chios island, etc.

AFAD 30 11:55:01.7, 37.93N:26.95E, h7km, 1km, ML4.1
ISC 30 11:55:02.5, 37.95N:27.01E, h12km, ML3.6/13
THE 30 11:55:02.0, 38.1N:2.7E, h16km, 9km, M4.8/7,
MLh4.8/7

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual. Includes stations like zmir, Bodrum, Milas, Chios island, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual. Includes stations like YKAV, Milas, Chios island, Bodrum, etc.

AFAD 30 11:56:01.6, 37.88N:26.57E, h7km, 2km, ML4.1
ISC 30 11:56:02.6, 37.95N:26.59E, h7km, 3.9/17
THE 30 11:56:04.1, 38.1N:2.7E, h17km, 4km, M4.8/10,
MLh4.8/10

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual. Includes stations like zmir, Bodrum, Milas, Chios island, etc.

THE 30 11:58:04.2, 38.1N:2.7E, h33km, 6km, M4.6/7,
MLh4.6/7
ISC 30 11:58:05.4, 37.88N:26.90E, h5km, ML4.4/23
AFAD 30 11:58:05.3, 37.88N:26.90E, h7km, 4km, ML4.2
ISC 30 11:58:03.6, 1.1, 37.93N:0.02-26.79E:0.03, h18km, 4km,
n41, c1917/59, Dodecanese Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual. Includes stations like zmir, Bodrum, Milas, Chios island, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual. Includes stations like GZelcaml?, Kusadasi-Aydin, Bodrum, etc.

THE 30 11:59:28.3, 38.1N:2.7E, h25km, 6km, M4.5/6,
MLh4.5/6
ISC 30 11:59:29.2, 37.85N:27.02E, h1km, ML4.1/26
AFAD 30 11:59:29.3, 37.84N:26.99E, h7km, 1km, ML4.1
ISC 30 11:59:28.7, 0.9, 37.94N:0.02-27.01E:0.02, h18km, 2km,
n51, c090/66, Turkey

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual. Includes stations like Kusadasi-Aydin, Bodrum, Milas, Chios island, etc.

30d 12h

Table with columns: Code, Station Name, A° AZ, Op, Phase ID, ISC, Time, Res. Includes stations like Bodrum-Mula, Foca, Chios island, Nazilli-Aydin, etc.

AFAD 30 12:01:37.4, 37°31'N;26°92'E, h7km,1km, ML4.0
ISK 30 12:01:37.3, 37°31'N;26°91'E, h9km, ML4.2/20
THE 30 12:01:38.5, 38°N;27°E, h2km,15km, M4.2/5, MLH4.2/5

ISC 30 12:01:38.0, 0.9, 37.384N, 0.02, 26.94E, 0.03, h14km, 7km, n40, c0557/61, Dodecanese Islands

Table with columns: Code, Station Name, A° AZ, Op, Phase ID, ISC, Time, Res. Includes stations like zmir, DGB, GCAM, KUSD, etc.

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CNRM 30 12:03:50.5, 36°54'N;9°43'W, h69km, ML4.3
MDD 30 12:03:52.1, 3, 36°55'N;9°67'W, h24km, 8km, mb, Lg3, 1/5, Error ellipse: s-maj=1.2km s-min=8.5km az=19.0
SFS 30 12:03:53.2, 36°59'N;9°68'W, h22km, ML3.7/13, ML2.5/13, ML4.3/9
INMG 30 12:03:53.4, 1.0, 36°58'N;9°68'W, h20km, 3km, ML1.6, Error ellipse: s-maj=5.0km s-min=4.1km az=48.0, #DIST\_RANGE: REGIONAL #PMA\_REGION: SW Cabo S. Vicente

ISC 30 12:03:47.0, 1.7, 36°50'N;0°03'66'W;0.06, h13km, 10km, n42, c1970/67, 1C, West of Gibraltar

Table with columns: Code, Station Name, A° AZ, Op, Phase ID, ISC, Time, Res. Includes stations like Vila Bisbo, PFEVI, MORF, etc.

THE 30 12:04:37.5, 38°N;2°27'E, h7km, 4km, M4.4/7, MLH4.4/7
ISK 30 12:04:39.4, 37°30'N;26°91'E, h7km, ML3.7/11
ATH 30 12:04:44.0, 37°30'N;26°35'E, h16km, 2km, ML4.0/5, Latitude uncertainty: 1 km; Longitude uncertainty: 2 km

ISC 30 12:04:37.9, 1.0, 37.311N, 0.02, 26.80E, 0.02, h10km, 10km, n42, c0958/54, Dodecanese Islands

Table with columns: Code, Station Name, A° AZ, Op, Phase ID, ISC, Time, Res. Includes stations like GCAM, KUSD, DIDI, etc.

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Table with columns: Code, Station Name, A° AZ, Op, Phase ID, ISC, Time, Res. Includes stations like Voula, Athens, LIA, etc.

THE 30 12:08:51.8, 38°N;5°27'E, h9km, 5km, MLH3.9/3
AFAD 30 12:08:51.1, 37°82'N;26°85'E, h7km, 1km, ML3.6
ISK 30 12:08:52.1, 37°82'N;26°89'E, h7km, ML3.7/18
ISC 30 12:08:51.6, 1.0, 37.80N, 0.02, 26.83E, 0.03, h8km, 9km, n32, c0848/47, Dodecanese Islands

Table with columns: Code, Station Name, A° AZ, Op, Phase ID, ISC, Time, Res. Includes stations like zmir, DGB, GCAM, KUSD, etc.

JMA 30 12:09:43.0, 0.1, 24°2'N;121°8'E, 0.8, h26km, 1km, MV3.2/11, TAIWAN REGION
TAP 30 12:09:43.1, 24°25'N;121°82'E, h18km, ML4.2, B
ISC 30 12:09:42.2, 0.8, 24°21'N;121°93'E, 0.02, h13km, 6km, n151, c0997/251, 5C-22D, Taiwan

Table with columns: Code, Station Name, A° AZ, Op, Phase ID, ISC, Time, Res. Includes stations like Heping Village, EAHA, EWUT, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like SHUL, Nioudou, Datong, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like CHN2, CHN4, CHN4, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like GCAM, HNR, H11S2, etc.

30d 12h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Mmeron Ar, Eilat, Sonseca Array, Torodi Ar, Bea, MKAR Makanchi Array.

IDC 30 12:15:27.3-0.8, 37.81N-26.83E, h0km, mb3.7/8, mbmp3.7/12, ML3.1/2, Error ellipse: s-maj=14.1 km s-min=10.8 km az=141.0

AFAD 30 12:15:29.8, 37.88N-27.01E, h7km, 4km, ML3.8 ISK 30 12:15:30.8, 37.85N-27.01E, h12km, ML4.0, 2h5

ISC 30 12:15:29.8-0.8, 37.84N-0.02-26.97E, 0.03, h16km, 5km, n57, r143/80, mb3.7/8, Dodecanese Islands

Main table for 30d 12h section, listing station codes, names, coordinates, and observation times/residuals. Includes stations like DGB zmir, KUSADASI-AYDIN, GZELCAMI?, etc.

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Main table for 2020 OCT section, listing station codes, names, coordinates, and observation times/residuals. Includes stations like GERES GERES Array B, FINES FINES Array B, HFS Hagfors, etc.

1722

ISK 30 12:17:20.4, 37.83N-26.66E, h21km, ML3.2/24 THE 30 12:17:21.0, 38.1N-2.7E, h24km, 8km, M3.8/7, ML3.8/7

AFAD 30 12:17:21.1, 37.80N-26.68E, h8km, 2km, ML3.8 ISK 30 12:17:19.9-3.1, 37.81N-0.03-26.55E, 0.02, h15km, 24km, n65, r091/79, Dodecanese Islands

Main table for 1722 section, listing station codes, names, coordinates, and observation times/residuals. Includes stations like BEYE izmir, GCAM G?zelcami?, KUSADASI-AYDIN, etc.

1723

ZEYE	comp=N,2um,0.3s	IAML	12 19 25.0		
ZEYE		S	12 19 25.6 -0.2		
ZEYE		IAML	12 19 26.0		
BEYE	comp=E,1um,0.2s	P	12 19 27.1 -7.6	Pg	
BEYE	izmir	S	12 19 27.0 -0.3	Sg	
GCAM		Pg	12 19 20.8 0.0	Pg	
GCAM	G?zelcaml?	Sg	12 19 29.3 +0.6	Sg	
GCAM		AML		AML	
GCAM	G?zelcaml?	P	12 19 20.9 +0.1	Pg	
GCAM		S	12 19 29.3 +0.6	Sg	
GCAM		IAML	12 19 30.0		
GCAM	comp=E,1um,0.6s	IAML	12 19 30.0		
GCAM	comp=N,8um,0.2s	P	12 19 20.6 -0.2	Pg	
GCAM	G?zelcaml?	S	12 19 29.5 +0.8	Sb	
GCAM		IAML	12 19 30.0		
GCAM	comp=E,1um,0.6s	IAML	12 19 32.0		
CESE	comp=N,8um,0.3s	Pg	12 19 21.1 -0.2	Pg	
CESE	eme	Sg	12 19 29.9 +0.3	Sb	
CESE		AML		AML	
KUSD	Kusadası-Aydin	Pb	12 19 21.7 -0.1	Pb	
KUSD		AML		AML	
ADIM	Aydin, Didim	P	12 19 23.0 +0.2	Pg	
DIDI	Didim-Aydin	Pg	12 19 23.3 -0.2	Pg	
BLCB	Balcova	Pg	12 19 24.1 +0.2	Pg	
BLCB		AML		AML	
BLCB	Balcova	P	12 19 21.1 -2.6	Pg	
BLCB		AML		AML	
CHOS	Chios island	Pg	12 19 23.8 -0.2	Pg	
CHOS		Sg	12 19 34.2 +0.5	Sg	
CHOS		AML		AML	
CHOS	Chios island	P	12 19 23.5 -0.5	Pg	
CHOS		Sb	12 19 34.0 +0.3	Sb	
CHOS		AML		AML	
CHOS	Chios island	P	12 19 23.6 -0.3	Pg	
CHOS		AML		AML	
KRBN	Karaburun	Pg	12 19 24.9 -0.6	Pg	
KRBN		AML		AML	
EAGZ	Marmaro, Chios	Pb	12 19 25.4 -0.7	Pb	
EAGZ		S	12 19 36.9 0.0	S	
KARB	zmir-Karabur	Pb	12 19 26.0 -0.8	Pb	
KARB		S	12 19 42.0 -0.7	S	
KARB		IAML	12 19 44.0		
KARB	comp=E,5um,0.7s	IAML	12 19 48.0		
KARB	comp=N,5um,0.5s	P	12 19 26.4 -0.4	Pb	
KARB	zmir-Karabur	S	12 19 40.0 -0.1	S	
KARB		IAML	12 19 44.0		
KARB	comp=E,5um,0.7s	IAML	12 19 48.0		
KARB	comp=N,5um,0.5s	IAML	12 19 48.0		
YKAV	Yalikavak-Bodr	Pg	12 19 26.9 -0.1	Pb	
YKAV		AML		AML	
BAGT	Foa	P	12 19 26.4 -0.6	Pb	
BAGT		IAML	12 19 41.0		
BAGT	comp=E,8um,0.6s	S	12 19 41.2 +0.8	S	
BAGT		IAML	12 19 42.0		
KLNA	Kalymnos	P	12 19 27.4 0.0	Pb	
KLNA		S	12 19 39.4 -0.1	Sg	
KLNA		AML		AML	
FOCM	Foa	Pg	12 19 27.2 -0.5	Pg	
FOCM		AML		AML	
BODT	Bodrum	Pg	12 19 28.0 -0.1	Pb	
BODT		AML		AML	
BODT	Bodrum	P	12 19 29.2 +0.4	P	
BODT		S	12 19 42.6 +0.7	S	
BDRM	Kayabasi	Pg	12 19 30.6 +0.9	Pg	
BDRM	Bodrum-Mula	Pg	12 19 29.5 0.0	Pg	
AYDN	Tasoluk	P	12 19 29.9 -0.1	P	
AYDN		S	12 19 46.3 +1.7	S	
AYDN		IAML	12 19 50.0		
AYDN	comp=E,3um,0.5s	IAML	12 19 51.0		
AYDN	comp=N,3um,0.4s	P	12 19 29.7 -0.2	Pb	
AYDN	Tasoluk	Pg	12 19 30.9 +0.3	Pg	
AYDN	Zeytinkoy-Aydi	Pn	12 19 30.9 +0.3	Pg	
AYDN		AML		AML	
MLSB	Milas	Pn	12 19 30.9 -0.2	Pg	
MLSB		AML		AML	
CAMT	Merkez	P	12 19 31.2 +0.1	P	
CAMT		S	12 19 46.6 +0.4	Sg	
CAMT		IAML	12 19 53.0		
CAMT	comp=E,8um,0.7s	IAML	12 19 54.0		
CAMT	comp=N,8um,0.6s	IAML	12 19 54.0		
TNSA	Tinos	P	12 19 30.0 -1.3	Pb	
TNSA		S	12 19 43.8 -2.2	S	
TNSA		AML		AML	
IZMR	zmir-demi	P	12 19 32.2 0.0	Pg	
IZMR		S	12 19 46.9 0.0	S	
IZMR		IAML	12 19 49.0		
IZMR	comp=N,1um,0.4s	IAML	12 19 51.0		
IZMR	comp=E,3um,0.5s	P	12 19 32.0 -0.2	Pg	
IZMR	zmir-demi	S	12 19 46.4 +0.2	Sb	
IZMR		IAML	12 19 49.0		
IZMR	comp=N,1um,0.4s	IAML	12 19 51.0		
NAXI	Naxos Island	P	12 19 31.4 -0.4	Pn	
NAXI		S	12 19 45.9 -1.1	Sb	
NAXI		AML		AML	
ZEDA	zmir-Bergama	P	12 19 29.3 -3.4	Pn	
ZEDA		Sg	12 19 52.4 +2.4	Sg	
ASTA	Astypalaia	P	12 19 34.0 -0.5	Pg	
ASTA		S	12 19 50.0 +0.3	Sg	
ASTA		AML		AML	
DKL	Dikili	Pn	12 19 35.0 -0.1	Pn	
DKL		AML		AML	
DKL	Dikili	P	12 19 35.2 +0.2	Pg	
DKL		S	12 19 53.5 +1.5	Sg	
YAZI	Mula-Datşa-	P	12 19 32.3 -1.6	Pg	
YAZI		S	12 19 52.8 -0.1	Sg	
YAZI		IAML	12 19 56.0		
YAZI	comp=N,2um,0.5s	IAML	12 19 57.0		
YAZI	comp=E,2um,0.4s	IAML	12 19 35.0 +0.1	Pb	
DAT	Datca	Pn	12 19 34.7 +0.3	Pn	
DAT		AML		AML	
DATC	Datca-Mugla	Pn	12 19 34.9 +0.2	Pn	
DATC		AML		AML	
NAZL	Nazilli-Aydin	Pn	12 19 36.6 -0.4	Pn	
NAZL		AML		AML	
GOMA	Golmarmara-Man	Pn	12 19 37.0 -0.3	Pn	
GOMA		AML		AML	
ESEN	Aydn-Nazilli	P	12 19 57.3 +1.6	Pg	
ESEN		S	12 20 01.0	Sg	
ESEN		IAML	12 20 04.0		
ESEN	comp=E,761nm,0.6s	IAML	12 20 04.0		
PRK	Paraskevi	P	12 19 37.2 +0.2	Pg	
PRK		S	12 19 57.5 +0.2	Sg	
PRK		AML		AML	
PRK	Paraskevi	P	12 19 37.1 +0.2	Pg	
PRK		S	12 19 56.1 +0.9	Sg	
PRK		AML		AML	
KTIT	Salihli	P	12 19 39.0 +0.2	Pg	
KTIT		S	12 19 59.8 +1.4	Sg	
KTIT		IAML	12 20 01.0		
KTIT	comp=N,3um,1.1s	IAML	12 20 01.0		
MULA	Mugla, Merkez-	P	12 19 37.1 -0.5	Pb	
KIRA	zmir-Kiraz	P	12 19 38.9 -0.1	Pg	
KIRA		S	12 20 00.0 +1.4	Sg	
KIRA		IAML	12 20 04.0		
KIRA	comp=N,602nm,0.5s	IAML	12 20 12.0		
KIRA	comp=E,653nm,0.6s	IAML	12 20 12.0		
AYVA	Ayvalik	P	12 19 38.2 +0.5	Pb	
AYVA		S	12 20 00.4 +1.7	Sg	

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AYVA	comp=E,2um,0.5s	IAML	12 20 03.0		
AYVA		IAML	12 20 10.0		
YER	comp=N,3um,0.6s	Pn	12 19 37.7 -0.3	Pb	
YER	Yerkesik	P	1.52 115	Pb	
YER		AML		AML	
YER	Yerkesik	P	1.52 115	Pb	
YER		P	12 19 37.7 -0.3	Pb	
SOMA	Soma-Manisa	Pn	1.55 29	Pb	
SOMA		AML		AML	
CMBO	Columbo, Santo	P	1.62 215	Pb	
CMBO		S	1.62 215	Pb	
CMBO	Columbo, Santo	P	1.62 215	Pb	
CMBO		S	1.62 215	Pb	
CMBO		AML		AML	
THR2	Thira island,	P	1.62 214	Pb	
THR8	Santorini-Mono	P	1.64 212	Pb	
THR8		S	1.64 212	Pb	
THR8	Santorini-Mono	P	1.64 212	Pb	
THR8		S	1.64 212	Pb	
THRA	Thira	P	1.65 214	Pb	
THRA		AML		AML	
THRA	Thira	P	1.65 214	Pb	
THRA		S	1.65 214	Pb	
THR3	Thira Island,	P	1.67 214	Pb	
THR3		P	1.67 214	Pb	
THR3	Thira Island,	P	1.67 214	Pb	
THR3		S	1.67 214	Pb	
SAP3	Santorini-Thir	P	1.67 216	Pb	
SAP3		S	1.67 216	Pb	
SNT5	Nea Kammeni, S	P	1.68 214	Pb	
SNT5		S	1.68 214	Pb	
TH1	Athinos (Pele	P	1.68 213	Pb	
GORD	Gordes-Manisa	Pn	1.68 48	Pb	
GORD		AML		AML	
TURN	Turunc	Pn	1.69 127	Pb	
TURN		AML		AML	
TURN	Turunc	P	1.69 127	Pb	
TURN		S	1.69 127	Pb	
THRS	Thira Island,	P	1.69 216	Pb	
THRS		S	1.69 216	Pb	
KARY	Karystos	P	1.70 279	Pb	
KARY		S	1.70 279	Pb	
MANT	Manisa	P	1.72 66	Pb	
MANT		IAML		IAML	
MANT	comp=E,790nm,0.6s	IAML	12 20 13.0		
MANT	comp=N,1um,0.7s	Pn	1.72 66	Pb	
MANT	Manisa	P	1.73 349	Pb	
MANT	Canakkale, Ayv	P	1.73 349	Pb	
MANT		IAML	12 20 07.5 +1.6	Sg	
MANT		IAML	12 20 15.0		
MANT	comp=E,2um,0.5s	IAML	12 20 15.0		
KOCA	Canakkale, Ayv	Pn	1.72 66	Pb	
KOCA		P	1.73 349	Pb	
KOCA		IAML	12 20 07.5 +1.6	Sg	
KOCA		IAML	12 20 15.0		
KOCA	comp=N,2um,0.7s	IAML	12 20 15.0		
BUHA	Balikesir, Bur	P	1.75 13	Pb	
BUHA		S	1.75 13	Pb	
BUHA		IAML	12 19 42.5 +0.7	Pb	
BUHA		IAML	12 20 08.2 +1.9	Pb	
BUHA		IAML	12 20 11.0		
BUHA	comp=N,2um,0.5s	IAML	12 20 12.0		
SULTU	Buldan	P	1.76 81	Pb	
SULTU		S	1.76 81	Pb	
STEP	BALIKESIR_Sava	P	1.82 30	Pb	
STEP		S	1.82 30	Pb	
STEP		IAML	12 19 44.3 +0.9	Pg	
STEP		IAML	12 20 12.0		
STEP	comp=E,2um,0.4s	IAML	12 20 14.0		
STEP	comp=N,3um,0.4s	Pn	1.85 12	Pb	
STEP	Edremitt	P	1.85 12	Pb	
YAYO	Yayoi	Pn	1.85 12	Pb	
YAYO		AML		AML	
RD11	Rhodes Town Ha	P	1.89 135	Pb	
RD11		S	1.89 135	Pb	
RD11		IAML	12 19 43.1 -1.1	Pb	
RD11		IAML	12 20 07.3 -0.2	Pb	
RD11		AML			

30d 12h

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details for various stations like Collm, Naroch, Obninsk, etc.

ISK 30 12:20:41.9, 37.92N; 26.94E, h13km, ML3, 0/9
THE 30 12:20:42.6, 38.25' 2" 7E, 2.6, h21km, 15km, MLh3, 6/3
ISC 30 12:20:42.0, 1.1, 37.93N; 0.03, 26.93E; 0.05, h18km, 8km, n13, 0.57/23, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details for stations like KUSD, GCAM, BLCB, etc.

IDC 30 12:22:45.6, 1.6, 37.85N; 26.75E, h0km, mb4, 0/2, mbtmp3.8/5, ML2, 4/2, Error ellipse: s-maj=27.3km s-min=11.6km az=141.0
THE 30 12:22:49.6, 38.2' N; 2.7' E, h3km, 3km, M3, 7/14, MLh3, 7/14
ATH 30 12:22:49.8, 37.90N; 26.97E, h12km, 2km, ML4, 1/5, Latitude uncertainty: 1 km; Longitude uncertainty: 2 km
ISK 30 12:22:50.7, 37.89N; 26.93E, h8km, ML3, 7/22
AFAD 30 12:22:50.1, 37.89N; 26.94E, h7km, 6km, MW4, 0
ISC 30 12:22:49.2, 0.9, 37.90N; 0.02, 26.91E; 0.02, h10km, 7km, n62, 0.174/85, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details for stations like DGB, KUSD, GCAM, etc.

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Main table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details for stations like ZEVE, BLCB, Balcova, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details for stations like KUSD, BEYE, GCAM, etc.



1725

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations like KARB, NAZL, ESEN, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like ISK, AFAD, TORIDI, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like ZEYVE, BLCB, TORBALI, etc.

THE 30 12:33:16.3, 37°N, 2°E, h33km, 8km, M4.2/6, ML4.2/6
IDC 30 12:33:19.9, 1.0, 37.73N, 26.93E, h0km, mb3.6/4, mbmp3.6/8, ML3.7/3, Error ellipse: s-maj=17.3km s-min=12.6km az=150.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like DGB, KUSADASI, BEYE, etc.

30d 12h

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like KARB, MARMARO, MERKEZ, etc.

ISK 30 12:34:39.4, 37°84N, 26°90E, h5km, ML3.8/22
AFAD 30 12:34:39.1, 37°82N, 26°81E, h7km, 1km, ML3.6
ISC 30 12:34:39.9, 1.1, 37.83N, 0.03, 26.81E, 0.05, h10km, 9km, n33, 0.093/44, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like DGB, ZMIR, KUSADASI, etc.

30d 12h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BODT Chios island, FOCM Foa, MLSB Milas, etc.

IDC 30 12:35:05.1-1.5, 37.85N-26.87E, h0km, mb3.8/3, mbmp3.7/6, ML2.5/2, Error ellipse: s-maj=37.9km s-min=13.7km az=137.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like GCAM G?zelcaml?, DIDI Didim-Aydin, CESE eme, etc.

AFAD 30 12:38:59.3, 37.79N-26.69E, h7km, 2km, ML3.6 ISK 30 12:39:00.8, 37.88N-26.80E, h5km, ML3.7/20

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like DGB zmir, GCAM G?zelcaml?, KUSD Kusadasi-Aydin, etc.

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Table with columns: CAMT, IAML, Time, Res. Includes stations like ZEDA zmir-Bergama, ZEDA comp=N, 1.1um, 0.5s, etc.

IDC 30 12:41:30.4-0.7, 37.83N-26.87E, h0km, mb3.9/8, mbmp3.9/15, ML3.7/7, Error ellipse: s-maj=11.4km s-min=10.0km az=148.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KUSD Kusadasi-Aydin, GCAM G?zelcaml?, BALCOVA Balcova, etc.

TRN 30 12:42:19.0, 10.93N-62.00W, h103km, MD3.7, North of the Paria peninsula.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like DMDM Guralp CMG5TDE, PSMG Mucurapo Girls, etc.

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Table with columns: MMAI, Pn, Time, Res. Includes stations like Mount Meron Ar, Giv'at Ha'Em, Kefar Nahum, etc.

ISK 30 12:46:30.6-1.0, 36.19N-21.72E, h0km, mb3.7/6, mbmp3.7/12, ML3.7/4, Error ellipse: s-maj=21.9km s-min=12.9km az=15.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like DMDM Guralp CMG5TDE, PSMG Mucurapo Girls, etc.

ISC 30 12:46:35.6-0.9, 36.09N-21.56E, h76km, 2km, ML3.7/43, Latitude uncertainty: 0.0km; Longitude uncertainty: 1 km

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MTHA Methoni, PYL1 Pylos, VALY Vathyra, etc.



Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, ISC. Rows include MD31, MDT, OUZ, OUK.

ISK 30 12:51:13.7, 37:92'N-26:46'E, h24km, ML3.3/15
AFAD 30 12:51:13.6, 37:89'N-26:46'E, h7km, 3km, ML3.2
THE 30 12:51:17.9, 38'N-17:2'6E-3'3, h18km-21km, M3.8/4, MLh3.8/4

ISC 30 12:51:13.5-1.0, 37:92'N-0:02-26:47E:0.03, h15km, 8km, n27, 0:097/43, Dodecanese Islands

Main table for Dodecanese Islands section, listing stations like Zeyve, Zeyve, DGB, GMLD, etc.

IDC 30 12:52:15.7-1.1, 40:80'N-29:27'W, h0km, mb3.7/6, mbmp3.7/7, ML4.2/1, Error ellipse: s-maj=45.4km s-min=19.3km az=13.0
SVSA 30 12:52:16.7-1.1, 40:13'N-29:79'W, h10km, ML3.5(INMG), Error ellipse: s-maj=12.0km s-min=4.9km az=80.0
#DIST\_RANGE: REGIONAL #IPMA\_REGION: Crista Mdia Atlntico N
NEIC 30 12:52:16.1-2.1, 40:11'N-29:31'W-0:10, h10km, 1km, mb4.4/7, Error ellipse: s-maj=35.9km s-min=10.0km az=13.0

ISC 30 12:52:16.2-0.7, 40:12'N-0:08-29:31'W-0:06, h11km, n38, 0:1576/42, mb4.1/9, Azores Islands region

Main table for Azores Islands section, listing stations like PSCRZ, HO7N1, SRBC, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, ISC. Rows include MESJ, ESDC, ESKA, TORO, BRDY, etc.

ISK 30 12:53:34.8, 37:83'N-26:02'E, h3km, ML3.2/19
AFAD 30 12:53:34.9, 37:82'N-26:02'E, h7km, 3km, ML3.1
THE 30 12:53:36.1, 38'N-18:2'7E-1'8, h3km, 17km, M3.2/4, MLh3.2/4

ISC 30 12:53:35.5-1.1, 37:83'N-0:03-26:81E:0.03, h7km, 9km, n35, 0:057/49, Dodecanese Islands

Main table for Dodecanese Islands section, listing stations like DGB, GMLD, GCAM, etc.

ISK 30 12:53:34.8, 37:83'N-26:02'E, h3km, ML3.2/19
AFAD 30 12:53:34.9, 37:82'N-26:02'E, h7km, 3km, ML3.1
THE 30 12:53:36.1, 38'N-18:2'7E-1'8, h3km, 17km, M3.2/4, MLh3.2/4

ISC 30 12:53:35.5-1.1, 37:83'N-0:03-26:81E:0.03, h7km, 9km, n35, 0:057/49, Dodecanese Islands

Main table for Dodecanese Islands section, listing stations like DGB, GMLD, GCAM, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, ISC. Rows include AYVA, GORD, etc.

ISK 30 12:56:33.3, 37:83'N-26:90'E, h7km, ML3.3/19
AFAD 30 12:56:33.3, 37:80'N-26:89'E, h7km, 3km, ML3.0
ISC 30 12:56:34.1-0.9, 37:83'N-0:02-26:91E:0.03, h11km, 8km, n41, 0:060/60, Dodecanese Islands

Main table for Dodecanese Islands section, listing stations like DGB, GMLD, GCAM, etc.

ISK 30 12:58:34.8, 37:91'N-26:87'E, h22km, ML2.8/16
AFAD 30 12:58:36.9, 37:89'N-26:87'E, h7km, 1km, ML3.0
ISC 30 12:58:35.8-1.0, 37:90'N-0:03-26:87E:0.03, h14km, 8km, n24, 0:058/39, Dodecanese Islands

Main table for Dodecanese Islands section, listing stations like DGB, GMLD, GCAM, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like BLCB Balcova, DUVT Torbali, KRBN Karaburun, etc.

Table for Dodecanese Islands with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like GMLD Gumuldur, BLCB Balcova, CESE eme, etc.

Table for AFAD 30 13:00:21.7, 37°87'N-26°84'E, h7km, 1km, ML3.6. Includes stations like DGB zmir, DGB, BEYE izmir, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like ASF Eilat, GERES Geres Array B, ESDC Sonessa Array, etc.

GLI 30 13:00:38.1±0.0, 37.799N;0.002-26.770E;0.001, h7km, Mw5.4, 1, confirmed. BUI 30 13:00:41.5, 37.90N-26.90E, h5km, mb4.6/25, etc.

Table for Dodecanese Islands (continued) with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like DGB zmir, GMLD Gumuldur, GCAM G?zelcam!, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MANT Manisa, MANT Manisa, TURUN Turunc, etc.

30d 13h

Table with columns for station name, frequency, power, and other technical details. Includes stations like VTS, BR105, BR106, etc.

2020 OCT

Table with columns for station name, frequency, power, and other technical details. Includes stations like SALP, ACER, GRNJ, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like GERES, WTTA, WATA, etc.



Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like ARCES ARCESS Array B, TORO Torodi Arr, BORK Borovoye, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like SANVU Saraoutou, HNR Honiara, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like VANDA Vanda, VANDA Vanda, PETK Petropavlovsk, etc.

ADC 30 13:01:18.3-1.6, 12:29Sx166:96E, h208km, 13km, mb4/2/24, mbtmp/4/729, Error ellipse: s-maj=11.5km s-min=9.3km az=92.0
NOU 30 13:01:20.6, 12:25S:166:94E, h228km, mb.4/6/2, Santa Cruz Islands
NEIC 30 13:01:20.4-1.6, 12:35S:0:1:166:9E:0.2, h228km, 7km,

30d 13h

Table with columns: EVN, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like G08A Pilot Rock, HAWA Hanford, PRN Pahroc Range, etc.

NNC 30 13:03:57.8:0.4, 42.56Nk:74.59E, h0km, mb3.5, mpv3.2, Error ellipse: s-maj=3.7km s-min=1.4km az=25.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AAK Ala-Archa, AAK 132nm,0.3s, FRU1 Bishkek, etc.

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Table with columns: KST, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KRBS Karabastau, KRBS 4.7nm,0.1s, KRBS 29nm,0.2s, etc.

IDC 30 13:06:55.6:0.6, 37.69N:27.01E, h0km, mb3.9/1.1, mbmp3.9/1.9, ML3.9/6, Error ellipse: s-maj=9.0km s-min=7.9km az=138.0

NEIC 30 13:06:56.7:1.1, 37.75N:0.04:27.03E:0.06, h1(0km)1km, mb4.3/1.1, Error ellipse: s-maj=8.1km s-min=6.4km az=260.0

AFAD 30 13:06:57.4: 37.84N:26.99E, h7km,2km, MW4.2, ISK 30 13:06:57.6: 37.86N:27.00E, h6km, ML4.2/1.9

THE 30 13:07:00.1: 38.15N:2.7E, h52km, 13km, M4.2/6, MLH4.2/6

GII 30 13:07:01.8:0.0, 37.331N:0.003:27.122E:0.001, h0km, Mws4.1, confirmed

ISC 30 13:06:57.2:0.8, 37.79N:0.02:27.01E:0.02, h16km,5km, n151, s1967/198, mb4.2/1.5, 12C-12D, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GCAM G?zelcaml?, GCAM 0.20 118 P, KUSD Kusadası-Aydin, etc.

1732

Table with columns: ZEYE, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AYDN Tasoluk, AYDN 0.70 101 P, YKAV Yalikavak-BoDr, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like ORNJ, ROI, RGMN, etc.

Table with columns for Code, Station Name, and other details. Includes stations like CNBA, SDPT, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like BPRCA, ANPB, ISNN, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like G31M, WTLV, INK, etc.

Table with columns for Code, Station Name, and other details. Includes stations like GMLD, KUSD, etc.





30d 13h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, P, S, Res, Time, Res, ISC. Includes stations like TTSI Mamuju, MMSI Majene, PMSI Don Marcelino, etc.

2020 OCT

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, P, S, Res, Time, Res, ISC. Includes stations like n37, n082/62, Dodocanese Islands, DGB zmir, GMLD Gumuldur, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, P, S, Res, Time, Res, ISC. Includes stations like NGAO Tingoa Renbel, H11S2 WAKE ISLAND, H11S1 WAKE ISLAND, etc.

ISK 30 13:27:10.9, 37:86N-26:81E, h14km, ML3.5/5
AFAD 30 13:27:10.6, 37:85N-26:81E, h7km, ML3.5
THE 30 13:27:11.0, 38°N-27°E, h3km, 3km, ML3.5, 7/5

IDC 30 13:30:53.0, 4.2, 8.23S; 160°30E, h34km, 28km, mb3.8/5, mbmp4.0/5, Error ellipse: s-maj=45.7km s-min=23.8km az=110.0
ISC 30 13:30:50.8, 1.0, 8.78S; 008.161°10E:0°07, h35km, n22, n195/19, mb4.0/5, Bougainville-Solomon Islands region

ISK 30 13:36:12.2, 37:87N-26:99E, h23km, ML2.8/7
AFAD 30 13:36:14.1, 37:90N-27:02E, h7km, 3km, ML2.6
ISC 30 13:36:13.2, 1.2, 37.88N; 0°05:27.02E; 0.07, h16km, 9km, n10, n040/17, Turkey





30d 13h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like GORD, PRK, CMBO.

ISK 30 13:49:12.8, 37.84N-26.38E, h4km, ML3.1/17, Dodecanese Islands

Main table for ISK 30 station data, listing various stations like GMLD, GCAM, KUSD, etc.

AFAD 30 13:49:35.1, 37.84N-26.38E, h7km, 2km, ML3.1, Dodecanese Islands

Main table for AFAD 30 station data, listing various stations like DGB, GCAM, BEYE, etc.

THE 30 13:50:02.9, 38°N, 34°E, h71km, 23km, M4.1/6, MLh4.1/6

IDC 30 13:50:03.0, 37.99N-26.73E, h0km, mb3.7/6, mbtmp3.7/12, ML3.5/5, MS4.6/1, Error ellipse: s-maj=11.8km s-min=10.7km az=113.0

ISK 30 13:50:04.7, 37.91N-26.45E, h5km, ML3.5/19, ATH 30 13:50:08.5, 37.98N-26.16E, h28km, 3km, ML3.9/18, Latitude uncertainty: 1 km; Longitude uncertainty: 2 km

ISC 30 13:50:03.5, 1.2, 37.93N, 0.02, 26.41E, 0.02, h9km, 9km, n68, r149/78, mb3.4/4, Dodecanese Islands

Main table for ISC 30 station data, listing various stations like CESE, GMLD, CHOS, etc.

2020 OCT

Main table for 2020 OCT station data, listing various stations like THR3, THRS, THR9, etc.

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Main table for 1738 station data, listing various stations like DUVT, CESE, DIDE, etc.





Table with columns: Station Name, Azimuth, Distance, Magnitude, and other parameters. Includes stations like Zeytinkoy-Aydi, Tasuluk, Bodrum, zmir-demi, etc.

UCR 30 14:13:38.8±0.4, 10°28'N; 86°31'W, h3km, 22km, MW4.6, Presumed earthquake
CATIC 30 14:13:40.7±0.5, 10°N; 8°3'8"W, h27km, 6km, M3.7/29, MLv3.7/29, Error ellipse: s-maj=1.5km s-min=3.2km

ISC 30 14:13:39.5±2.1, 10°27'N; 0°05.86'30W; 0.06, h15km, 15km, m2, c0567/9, 4C-2D, Off coast of Costa Rica

Table with columns: Code, Station Name, Azimuth, Distance, Magnitude, and other parameters. Includes stations like ALIBA, INDI, CMARA, LAPC, etc.

IDC 30 14:15:31.7±1.8, 8°21'S; 160°36'E, h0km, mb3.8/5, mbtmp3.8/6, ML3.7/1, Error ellipse: s-maj=55.5km s-min=17.5km

ISC 30 14:15:31.6±1.4, 8.705°S; 0°09.161'4E; 0.1, h35km, n21, c0893/14, mb3.7/5, Bougainville Solomon Islands region

Table with columns: Code, Station Name, Azimuth, Distance, Magnitude, and other parameters. Includes stations like TATA, HNR, SAVO, etc.

Table with columns: Station Name, Azimuth, Distance, Magnitude, and other parameters. Includes stations like H1S2, H1S3, H1S1, WRA, H1N1, H1N2, ASAR, SONM, ILAR, MKAR.

ISK 30 14:15:32.9, 37°90'N; 26°72'E, h12km, ML3.4/19
THE 30 14:15:33.5, 38°N; 24°2'7E; 2.6, h11km, 18km, M3.8/4, MLh3.8/4
AFAD 30 14:15:33.4, 37°86'N; 26°73'E, h7km, 4km, ML3.3
ATH 30 14:15:35.8, 38°01'N; 26°59'E, h31km, 3km, ML3.2/13

Table with columns: Code, Station Name, Azimuth, Distance, Magnitude, and other parameters. Includes stations like DGB, GMD, GMLD, BEYE, etc.

ISC 30 14:15:33.4±0.9, 37°89'N; 0°02.2670E; 0.02, h11km, 7km, n70, c0574/95, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Distance, Magnitude, and other parameters. Includes stations like DGB, GMD, GMLD, BEYE, etc.

Table with columns: Station Name, Azimuth, Distance, Magnitude, and other parameters. Includes stations like PRK, AYVA, SOMA, GORD, CMBO, THR2, etc.

AFAD 30 14:17:36.2, 37°89'N; 26°90'E, h7km, 1km, ML2.7, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Distance, Magnitude, and other parameters. Includes stations like DGB, GMD, GMLD, BEYE, etc.

THE 30 14:17:53.5, 37°9'N; 0°8'2'7E±, h11km, 1km, M3.5/10, MLh3.5/10

AFAD 30 14:17:53.9, 37°92'N; 26°76'E, h7km, 2km, ML3.1

ISK 30 14:17:52.2, h188N, ML3.0/17, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Distance, Magnitude, and other parameters. Includes stations like DGB, GMD, GMLD, BEYE, etc.





Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like CESE eme, KUSADASI-AYDIN, BALCOVA, etc.

ISK 30 14:31:14.8, 37.89N, 26.90E, h8km, ML3.0/18
THE 30 14:31:15.3, 37.90N, 26.92E, h14km, 1km, M2.9/9, MLh2.9/9

AFAD 30 14:31:15.0, 37.87N, 26.94E, h7km, 1km, ML3.0
ISC 30 14:31:15.2, 37.90N, 26.95E, 0.03, h12km, 6km, n35, 0.045/54, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like DGB zmir, GMLD Gumuldur, KUSADASI-AYDIN, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like BDRM, CAMT Merkez, CAMT, etc.

AFAD 30 14:34:35.1, 37.87N, 26.84E, h7km, 1km, ML2.8
ISK 30 14:34:36.6, 37.93N, 26.93E, h6km, ML2.4/16
ISC 30 14:34:36.1, 0.37, 90N, 0.03, 26.88E, 0.04, h10km, 6km, n24, 0.047/34, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like DGB zmir, GMLD Gumuldur, KUSADASI-AYDIN, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like BODRUM, FOAM Foa, MILAS, etc.

ISK 30 14:44:35.2, 37.88N, 26.77E, h7km, ML2.8/17
THE 30 14:44:35.7, 38.1N, 27.2E, h8km, 1km, M3.2/6, MLh3.2/6
AFAD 30 14:44:35.1, 37.88N, 26.77E, h7km, 2km, ML3.0
ISC 30 14:44:35.3, 1.0, 37.88N, 0.02, 26.76E, 0.03, h11km, 8km, n35, 0.047/51, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like DGB zmir, BEYE izmir, ZEYE Izmir, etc.

IDC 30 14:46:03.0, 0.6, 37.69N, 26.86E, h0km, mb3.8/9, mbmp3.7/18, ML3.7/8, Error ellipse: s-maj=10.7km s-min=9.3km az=137.0
ISK 30 14:46:04.7, 37.84N, 26.88E, h8km, ML4.1/17
THE 30 14:46:04.7, 38.1N, 27.2E, h5km, 10km, M4.0/7, MLh4.0/7

AFAD 30 14:46:04.2, 37.82N, 26.84E, h7km, 2km, M4.0/7, MLh4.0/7
ATH 30 14:46:06.9, 37.93N, 26.85E, h10km, 2km, ML4.3/7, Latitude uncertainty: 1 km; Longitude uncertainty: 2 km
ISC 30 14:46:04.9, 0.9, 37.83N, 0.02, 26.87E, 0.02, h13km, 6km, n101, 0.194/125, mb3.6/8, 12C-14D, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like DGB zmir, GCM G7zelcamli?

30d 14h

Table with columns for station name, code, time, and other parameters. Includes stations like KUSADASI, IZMIR, DIDIM, BALCOVA, TORBALI, etc.

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Table with columns for station name, code, time, and other parameters. Includes stations like MARR, SIRR, DRGR, ASF, etc.

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Table with columns for station name, code, time, and other parameters. Includes stations like KURK, KURKB, TROLL, BVAR, etc.





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ZEVE Izmir, DIDI Didim-Aydin, BLCB Balçova, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CHOS Chios island, BDRM Kayabasi, FOCM Foa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like QSPA South Pole, MAW Mawson, KURBB Kurchatov Arra, etc.

ISC 30 15:06:45.1+1.0, 37.68N:26.87E, h0km, mb3.6/6, mbtmp3.6/9, ML3.2/3, Error ellipse: s-maj=21.3km s-min=13.0km az=172.0

ISK 30 15:06:46.3, 37.84N:26.82E, h0km, ML4.0/17 THE 30 15:06:47.0, 38°N:27°E, h0km, ML4.0/6 AFAD 30 15:06:46.1, 37.84N:26.79E, h10km, 3km, MW4.0

ISC 30 15:06:46.6, 0.9, 37.84N:0.02, 26.84E:0.02, h15km, 6km, n60, c0.99/87, mb3.2/5, Dodecanese Islands

ISC 30 15:06:16.4, 1.2, 5.67S: 154.44E, h104km, 10km, mb3.9/18, mbtmp4.3/21, Error ellipse: s-maj=13.4km s-min=9.5km az=52.0

ISC 30 15:06:17.8, 0.5, 5.65S:0.07, 154.43E:0.06, h118km, n44, c0.17/47, mb4.0/18, Bougainville-Solomon Islands

ISK 30 15:08:38.0, 37.83N:26.97E, h10km, ML3.5/16 THE 30 15:08:38.5, 38°N:27°E, h0km, 4km, ML3.8/6, MLH3.8/6

AFAD 30 15:08:38.0, 37.81°N, 26.88°E, h7km, 3km, ML3.2

ISC 30 15:08:37.7, 0.9, 37.81°N, 0.02, 26.91°E, 0.03, h14km, 7km, n45, c056/59, Dodecanese Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, h, m, s, Res, ISC. Lists stations like zmir, Balcovia, eme, Aydin, Didim, Torbali, Karaburun, Foa, Bodrum, Milas, Datca, Parasevki, Soma-Manisa, Gordes-Manisa, Anoyia, Keskin Array B, etc.

ISC 30 15:11:11.1, 1.2, 3, 38.27°N, 26.34°E, h0km, mb3.3/2, mbtmp3, 1/4, ML 1.9/2, Error ellipse: s-maj=78.4km

THE 30 15:11:14.0, 38°N, 26.7°E, h5km, 6km, M3.7/6, MLh3.7/6

AFAD 30 15:11:13.2, 37.83°N, 26.70°E, h7km, 2km, ML3.2

ISC 30 15:11:15.4, 37.89°N, 26.87°E, h8km, ML3.6/19

ISC 30 15:11:14.2, 0.9, 37.88°N, 0.02, 26.74°E, 0.03, h14km, 7km, n42, c0579/53, Dodecanese Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, h, m, s, Res, ISC. Lists stations like zmir, Balcovia, eme, Aydin, Didim, Torbali, Karaburun, Foa, Bodrum, Milas, Datca, Parasevki, Soma-Manisa, Gordes-Manisa, Anoyia, Keskin Array B, etc.

KUSD KUSD 0.56 25 Sg AML 15 11 27.8 -0.9

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, h, m, s, Res, ISC. Lists stations like Balcovia, Balcovia, eme, Aydin, Didim, Torbali, Karaburun, Foa, Bodrum, Milas, Datca, Parasevki, Soma-Manisa, Gordes-Manisa, Anoyia, Keskin Array B, etc.

BER 30 15:11:41.9, 3.0, 83.54°N, 33.45°E, h10km, ML3.4(NAO), Confirmed Earthquake

KOLA 30 15:11:44.9, 81.49°N, 41.43°E, h0km, ML 1.7, Arctic Ocean

FCIAR 30 15:11:42.0, 83.61°N, 32.31°E, h10km, 1C, station OMEGA has station magnitude of 3.30, North of Svalbard

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, h, m, s, Res, ISC. Lists stations like Omega, Spitsbergen Ar, Spitsbergen Ar, Spitsbergen Ar, Spitsbergen Ar, Spitsbergen Ar, Barentsburg B, Barentsburg B, Barentsburg B, Barentsburg B, Nord, Hopfen Hopfen, Hopfen Hopfen, ARAO ARCESS Array S, ARAO ARCESS Array S, etc.

ISC 30 15:14:54.7, 0.4, 37.87°N, 26.84°E, h0km, mb4.6/35, mbtmp4.5/47, ML4.3/8, MS4.8/40, Error ellipse: s-maj=7.4km s-min=6.9km az=5.0

BUI 30 15:14:54.0, 37.80°N, 26.80°E, h5km, mb5.3/10, mb4.8/62, Ms5.1/14, Ms7.4/9/14

NEIC 30 15:14:55.9, 2.6, 37.83°N, 0.04, 26.82°E, 0.06, h10km, 1km, mb5.1/202, Mwr5.2/24, Mww5.3/10, Error ellipse: s-maj=8.3km s-min=7.4km az=279.0, Moment Tensor Solution. Moment tensor: Scale 10^19Nm; M=6.74;

Mw=0.28; Mn=1.37; Mns=0.15; Mv=1.68; Fault plane solution: M1: 2200x1016 NPT=78.260000; S: 340.710000; T: 110.220000; NP2=284.230000; S: 52.270000; T: 73.400000; Principal axes: T 7.1723, Plg6.0000, Azm3.0000; N 0.0955, Plg13.0000; Azm94.0000; P -7.2678, Plg76.0000; Azm249.0000;

ATH 30 15:14:56.4, 37.82°N, 26.87°E, h15km, 2km, ML5.0/18, Latitude uncertainty: 0 km; Longitude uncertainty: 1 km

NEIC 30 15:14:56.8, 37.84°N, 26.88°E, h10km

MOS 30 15:14:56.2, 1.1, 37.84°N, 26.85°E, h19km, mb5.0/37,

MS4.7/12, Error ellipse: s-maj=4.1km s-min=2.5km az=89.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, h, m, s, Res, ISC. Lists stations like Balcovia, Balcovia, eme, Aydin, Didim, Torbali, Karaburun, Foa, Bodrum, Milas, Datca, Parasevki, Soma-Manisa, Gordes-Manisa, Anoyia, Keskin Array B, etc.

CFUSG 30 15:15:07.2, 37.95°N, 28.04°E, h8km, MD3.5/5, MSH3.8/6

ISC 30 15:14:56.5, 0.5, 37.83°N, 0.02, 26.84°E, 0.02, h13km, 2km, n1195, c185/1197, mb5.0/201, MS4.9/37, 39C-35D, Dodecanese Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, h, m, s, Res, ISC. Lists stations like zmir, Balcovia, eme, Aydin, Didim, Torbali, Karaburun, Foa, Bodrum, Milas, Datca, Parasevki, Soma-Manisa, Gordes-Manisa, Anoyia, Keskin Array B, etc.





30d 15h

Table with columns for station name, frequency, power, and other technical details. Includes stations like Zefat, Deva, Yalita, etc.

2020 OCT

Table with columns for station name, frequency, power, and other technical details. Includes stations like ASF, Zfri, Banja Luka, etc.

1750

Table with columns for station name, frequency, power, and other technical details. Includes stations like Kiev, Malin Array Be, etc.







30d 15h

Table with columns for station name, frequency, power, and other technical details. Includes stations like CANM Can-anakkale, MLOS Dursunbey, and many others.

2020 OCT

Table with columns for station name, frequency, power, and other technical details. Includes stations like OUR Euranolis, AXAR Agios Charalam, and many others.

1754

Table with columns for station name, frequency, power, and other technical details. Includes stations like ASF, HRFI, EIL, and many others.



1755

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like KSRS Korea Array, ILAR Eielson Array, ULAR Eielson Array, etc.

IDC 30 15:19:34.2±2.1, 134N-127.32E, h0km, mb3.5/4, mbmtmp3.5/4, Error ellipse: s-maj=212.2km s-min=22.6km az=67.0, Halmahera

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like DDMP Don Marcelino, WRA Warramunga Arr, ASAR Alice Springs, etc.

AFAD 30 15:20:05.8, 37.87N-26.87E, h7km, 5km, MW3.8 ISK 30 15:20:06.7, 37.88N-26.87E, h5km, ML3.5/11

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like DGB zmir, GMLD Gumuldur, GMLD G?zelcaml?, etc.

AFAD 30 15:22:26.6, 37.86N-26.90E, h5km, ML3.8/18 AFAD 30 15:22:26.8, 37.82N-26.87E, h7km, 4km, ML3.1

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like DGB zmir, GMLD Gumuldur, GMLD G?zelcaml?, etc.

ISK 30 15:22:27.5, 37.86N-26.93E, h0.02, h9km, 9km, n49, ±0.68/69, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like DGB zmir, GMLD Gumuldur, GMLD G?zelcaml?, etc.

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Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like MULA, MANT Manisa, MANT.

AFAD 30 15:20:26.6, 37.88N-26.99E, h7km, 4km, ML3.5 ISK 30 15:20:28.3, 37.91N-26.99E, h11km, ML3.4/14

ISK 30 15:20:27.5, 37.89N-26.99E, h13km, 7km, n23, ±0.74/34, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like DGB zmir, GMLD Gumuldur, GMLD G?zelcaml?, etc.

AFAD 30 15:20:05.8, 37.87N-26.87E, h7km, 5km, MW3.8 ISK 30 15:20:06.7, 37.88N-26.87E, h5km, ML3.5/11

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like DGB zmir, GMLD Gumuldur, GMLD G?zelcaml?, etc.

AFAD 30 15:22:26.6, 37.86N-26.90E, h5km, ML3.8/18 AFAD 30 15:22:26.8, 37.82N-26.87E, h7km, 4km, ML3.1

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like DGB zmir, GMLD Gumuldur, GMLD G?zelcaml?, etc.

ISK 30 15:22:27.5, 37.86N-26.93E, h0.02, h9km, 9km, n49, ±0.68/69, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like DGB zmir, GMLD Gumuldur, GMLD G?zelcaml?, etc.

30d 15h

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like CHOS Chios island, CHOS Chios island, FOCM Foa, etc.



Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Merkez, Data, zmir-Bergama, Aydin-Nazilli, etc.

ISC 30 15:51:27.2, 2.9, 35.99N, 70.92E, h134km, 34km, mb3.7/19, mbtmp4.2/23, Error ellipse: s-maj=22.8km s-min=12.2km az=14.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Kabul, Karamyk, Nilore, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Makanchi, Makanchi Array, Makanchi Array, etc.

ISC 30 15:52:47.9, 37.72N, 27.11E, h6km, ML3.2/10 THE 30 15:52:48.4, 38°N, 1°2'7E, h16km, 2km, M2.9/13, MLh2.9/13

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Alice Springs, Alice Springs, Alice Springs, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Parakevi, Arkhangelos, Columbo, Santo, etc.

ISC 30 15:54:01.2, 2.0, 5.72S, 147.79E, h0km, mb3.8/3, mbtmp3.9/7, ML3.8/2, Error ellipse: s-maj=43.2km s-min=14.6km az=137.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Port Moresby, Keravat, Charters Tower, Warramunga Arr, etc.

ISC 30 16:01:35.3, 37.88N, 26.83E, h3km, ML3.1/16 THE 30 16:01:35.2, 38°N, 1°2'7E, h10km, 2km, M2.8/12, MLh2.8/12

AFAD 30 16:01:35.6, 37.90N, 26.84E, h8km, 2km, ML2.8 ISC 30 16:01:35.2, 0.9, 37.86N, 0.02, 26.84E, 0.02, h12km, 7km, n52, c0667/3, Dodecanese Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like zmir, Gumuldur, G?zelcaml?, etc.









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Table with columns: MRKS, Merke, 4.21 298 Pg, Pb, 16 30 36.2 +0.8, 16 31 32.8, 4.21 298 eP, Pb, 16 30 36.2 +0.8, 16 31 32.8 -3.6, 4.61 292j eP, Pb, 16 30 32.2 +1.1, 16 31 25.5 +0.7, 5.19 325 Pg, Pb, 16 30 56.1 -4.5, 5.19 325 eP, Pg, 16 30 56.1 -4.5, 5.19 325 eS, Pg, 16 32 06.7 -1.2, 6.20 294 Pg, Pb, 16 31 15.7 -4.1, 16 32 36.3

JMA 30 16:30:54.6:0.1, 24.6'N, 110.124'8E:0.4, h45km, MV3.2/11, NEAR MIYAKOJIMA ISLAND

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, JTA Tarama, 0.24 325 P, Pb, 16 31 01.7 -0.1, 16 31 06.7 +0.6, JIRJ Irajujima, 0.50 38 S, Pb, 16 31 04.6 -0.3, 16 31 12.2 +0.1, JISG Ishigakijimahi, 0.52 286 P, Pb, 16 31 04.7 -0.5, 16 31 12.1 -0.6, JIMJ Miyako jima3, 0.52 55 P, Pb, 16 31 05.6 +0.3, 16 31 12.2 +0.4, JIMJ Miyako jima 2, 0.55 47 P, Pb, 16 31 05.3 -0.6, 16 31 13.7 +0.3, JIMJ Miyako jima 2, 0.55 47 P, Pb, 16 31 13.7 +0.3, JOGS Gusukube, 0.59 58 P, Pb, 16 31 06.6 +0.1, 16 31 15.8 +0.7, JOGS Gusukube, 0.59 58 P, Pb, 16 31 05.9 -0.7, 16 31 14.5 -0.7, JIKM Ikemajima, 0.60 37 P, Pb, 16 31 07.2 -0.2, 16 31 16.6 0.0, JJKM Jishigaki jima, 0.66 263 P, Pb, 16 31 16.6 0.0, 16 31 09.8 +0.5, JJKR Kuro-shima, 0.80 255 P, Pb, 16 31 21.4 +1.3, 16 31 13.2 +0.6, JKRFS Iriomote-Funau, 1.03 264 P, Pb, 16 31 38.9 -0.6, 16 31 43.9 +1.7, HATJ Hateruma jima, 1.03 248 P, Pb, 16 31 38.9 -0.6, 16 31 43.9 +1.7, NACB Nancancho, 2.99 266 P, Pb, 16 31 38.9 -0.6, 16 31 43.9 +1.7, YHNB Yeheng, 3.18 275 P, Pb, 16 31 43.9 +1.7, 16 31 44.0 -1.5, YULB Yu-li, 3.42 253 P, Pb, 16 31 44.0 -1.5, 16 31 47.9 -0.4, SSSL Suwanglung, 3.82 246 P, Pb, 16 31 54.6 +0.7, 16 31 54.6 +0.7, TWGB Beinan, 4.03 254 P, Pb, 16 31 54.6 +0.7, TPUB Ta-pu, 4.03 254 P, Pb, 16 31 54.6 +0.7

IDC 30 16:35:08.8:1.9, 4'22"N, 126'21"E, h208km, 16km, mb3.2/4, mbmp3.8/5, Error ellipse: s-maj=53.8km s-min=20.1km az=71.0

MAN 30 16:35:10.0, 9'29"N, 127'13"E, h3km, MS3.6, ISC 30 16:35:11.1, 2.1, 1.2, 1.1, 0.05, 127.06E:0.09, h5km, 12km, n17, r0940/28, mb4.0/3, Philippine Islands Regd

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, TSSP Tandag City, 0.89 259 iS, Pb, 16 35 29.3 -1.0, 16 35 42.2 -1.3, BIPH Bislig, 1.24 215 eP, Pg, 16 35 35.0 0.0, 16 35 40.9 -2.1, BIRP Cateel, Davao, 1.55 204 eP, Pg, 16 35 40.6 -0.4, 16 35 58.0 -2.1, SCPH Surigao, 1.67 290 eP, Pg, 16 35 40.3 -0.8, 16 35 43.1 -2.0, SCPH Musuan, 2.40 237 iS, Pb, 16 35 54.6 -0.2, 16 35 56.1 +1.3, IBUK Beinan, 2.48 253 eP, Pg, 16 35 54.2 -1.9, CGP Cagayan de Oro, 2.48 253 eP, Pg, 16 35 54.2 -1.9, CGP DAV Davao City (W), 2.59 215 P, Pb, 16 35 59.7 -1.2, 1.4nm, 0.8s, baz=244, slow=13, SNR=3.9, DAV 234nm, 0.4s, baz=202, slow=8.6, SNR=2.3, DMPH Davao City-Mi, 2.63 216 eP, Pg, 16 36 01.2 -0.3, 16 36 36.2 +0.6, PLMP Palo, 2.84 313 eP, Pg, 16 35 58.1 +1.0, 16 36 07.7 +0.1, KCP Kidapawan, 2.94 222 eP, Pg, 16 36 07.7 +0.1, 16 36 43.6 +2.6, TBP Tagbilaran, 3.21 279 eP, Pg, 16 36 43.6 +2.6, 16 36 08.6 -1.0, LLP Lapu-Lapu, 3.26 290 eP, Pg, 16 36 08.6 -1.0, 16 36 48.7 -0.8, DDMP Don Marcelino, 3.37 204 eS, Pb, 16 36 45.7 +0.7, 16 36 07.5 +2.5, LSP Lazi, Siquijor, 3.41 269 iS, Pb, 16 36 07.5 +2.5, 16 36 55.1 +1.3, PETK Petropavlovsk-1, 50.27 24 P, Pb, 16 44 19.8 +11

ATH 30 16:37:09.3, 37'85"N, 26'43"E, h16km, 2km, ML3.4/13, Latitude uncertainty: 1 km; Longitude uncertainty: 1 km, Dodecanese Islands

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, CHOS Chios island, 0.61 331 P, Pb, 16 37 21.9 +0.3, 16 37 29.9 -0.1, EAGZ Marmaro, Chios, 0.73 340 P, Pb, 16 37 23.6 0.0, 16 37 33.1 -0.3, TNSA Tinos, 1.05 253 P, Pb, 16 37 29.0 -0.1, NAXI Naxos Island, 1.13 228 P, Pb, 16 37 32.1 +1.1, PRK Paraskievi, 1.40 355 P, Pb, 16 37 34.6 -0.4, KARY Karystos, 1.58 277 P, Pb, 16 37 36.9 +0.1, CMBO Columbo, Santo, 1.60 211 P, Pb, 16 37 36.5 -0.5, THR2 Thira island, 1.61 210 P, Pb, 16 37 37.2 +0.1, THR6 Thira island, 1.71 209 P, Pb, 16 37 39.4 +0.9, DION Dionisios Attik, 1.93 277 P, Pb, 16 37 42.7 +0.4, PTL Penteli, 2.04 276 P, Pb, 16 37 43.0 0.0, VLY Voula, Athens, 2.08 271 P, Pb, 16 37 43.9 +0.2, ATH Athens Unvers, 2.09 274 P, Pb, 16 37 43.9 +0.1, ARG Arkhangelos, 2.13 140 P, Pb, 16 37 44.4 +0.2, LJA Limnos Island, 2.26 335 P, Pb, 16 37 45.9 -0.1, KARP Karpathos, 2.38 165 P, Pb, 16 37 47.9 +0.2, VIL2 Platees, 2.52 279 P, Pb, 16 37 49.8 +0.2, LTK Loutraki, 2.74 275 P, Pb, 16 37 52.8 +0.1

ISK 30 16:37:25.0, 37'86"N, 26'88"E, h7km, ML3.8/16, AFAD 30 16:37:25.8, 37'84"N, 26'89"E, h7km, 4km, ML3.2, ISC 30 16:37:25.4:1.0, 37'85"N, 0.02-26'88"E:0.03, h14km, 7km, n28, r0575/48, Dodecanese Islands

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, DGB zmir, 0.20 360 P, Pb, 16 37 30.6 +0.4, 16 37 33.5 +0.4, GMLD Gumuldur, 0.23 6 P, Pg, 16 37 29.7 -0.7, 16 37 33.7 -0.1

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Table with columns: GCAM G?zelcam!, 0.31 118 P, Pg, 16 37 31.9 +0.1, 16 37 36.9 +0.7, GCAM G?zelcam!, 0.31 118 P, S, Pg, 16 37 31.6 -0.2, 16 37 36.5 +0.3, comp=N, 3um, 0.3s, 16 37 38.0, KUSD Kusadasi-Aydin, 0.32 88 P, Pg, 16 37 31.7 -0.3, 16 37 36.8 +0.4, BEYE izmir, 0.38 5 P, Pb, 16 37 34.0 0.0, 16 37 40.5 +0.8, comp=N, 4um, 0.4s, 16 37 44.0, BEYE comp=N, 3um, 0.3s, 16 37 44.0, DDIM Aydin, Didim, 0.48 144 P, S, Pb, 16 37 36.1 +0.4, 16 37 41.7 +0.3, comp=N, 3um, 0.7s, 16 37 44.0, ZEVE izmir, Urla-Ze, 0.49 323 P, S, Pg, 16 37 35.0 +0.1, 16 37 42.6 -0.3, BLCB Balcova, 0.55 13 P, Pg, 16 37 36.1 -0.1, 16 37 44.4 -0.2, DIDI Didim-Aydin, 0.55 149 P, Pg, 16 37 36.3 +0.1, 16 37 44.7 +0.1, DUVT Torbali, 0.58 50 P, Pb, 16 37 37.6 +0.2, 16 37 44.5 0.0, KRBN Karaburun, 0.79 341 P, Pg, 16 37 44.5 0.0, 16 37 40.3 -0.4, Zeytinkoy-Aydi, 0.80 83 P, Pg, 16 37 41.1 +0.1, 16 37 52.6 +0.6, CHOS Chios island, 0.85 310 P, Pg, 16 37 41.7 -0.1, 16 37 49.1 -0.1, BODR Bodrum, 0.86 156 P, Pg, 16 37 41.9 -0.1, 16 37 54.8 -0.6, FOCM Foa, 0.87 352 P, Pg, 16 37 41.9 -0.4, 16 37 54.7 +0.8, ZMIR zmir-demi, 0.89 71 P, S, Pb, 16 37 43.6 +0.1, 16 37 52.2 -2.2, comp=N, 625nm, 0.8s, 16 37 57.0, MLSB Milas, 0.90 128 P, Pg, 16 37 43.0 +0.2, 16 37 43.3 +0.5, BDRM Kayabasi, 0.90 150 P, S, Pg, 16 37 53.1 -1.5, 16 37 58.0 0.0, comp=E, 1um, 0.6s, 16 38 00.0, CAMT Merkez, 0.96 20 P, Pb, 16 37 45.4 +0.9, 16 37 56.2 -0.2, NAZL Nazilli-Aydin, 1.12 84 P, Pb, 16 37 46.9 +0.2, Aydn-Nazilli, 1.16 92 P, Pb, 16 37 48.2 +0.5, GOMM Golmarmara-Man, 1.18 43 P, S, Pb, 16 37 59.2 -2.9, 16 37 47.9 +0.3, DIKI Dikili, 1.22 1 P, Pn, Pb, 16 37 48.5 +0.2, AKHS Akhisar, 1.26 35 P, Pg, 16 37 50.3 +0.7, 16 38 04.5 -0.7, AKHS Akhisar, 1.26 35 P, Pg, 16 37 49.5 -0.2, Salihi, 1.27 48 P, Pg, 16 37 51.3 +1.5, 16 38 12.0, comp=N, 602nm, 0.6s, 16 38 12.0, GORD Gordes-Manisa, 1.47 43 Pn, Pb, 16 37 52.6 +0.1

Table with columns: ZEVE izmir, Urla-Ze, 0.49 323 P, S, Pg, 16 37 35.0 +0.1, 16 37 42.6 -0.3, BLCB Balcova, 0.55 13 P, Pg, 16 37 36.1 -0.1, 16 37 44.4 -0.2, DIDI Didim-Aydin, 0.55 149 P, Pg, 16 37 36.3 +0.1, 16 37 44.7 +0.1, DUVT Torbali, 0.58 50 P, Pb, 16 37 37.6 +0.2, 16 37 44.5 0.0, KRBN Karaburun, 0.79 341 P, Pg, 16 37 44.5 0.0, 16 37 40.3 -0.4, Zeytinkoy-Aydi, 0.80 83 P, Pg, 16 37 41.1 +0.1, 16 37 52.6 +0.6, CHOS Chios island, 0.85 310 P, Pg, 16 37 41.7 -0.1, 16 37 49.1 -0.1, BODR Bodrum, 0.86 156 P, Pg, 16 37 41.9 -0.1, 16 37 54.8 -0.6, FOCM Foa, 0.87 352 P, Pg, 16 37 41.9 -0.4, 16 37 54.7 +0.8, ZMIR zmir-demi, 0.89 71 P, S, Pb, 16 37 43.6 +0.1, 16 37 52.2 -2.2, comp=N, 625nm, 0.8s, 16 37 57.0, MLSB Milas, 0.90 128 P, Pg, 16 37 43.0 +0.2, 16 37 43.3 +0.5, BDRM Kayabasi, 0.90 150 P, S, Pg, 16 37 53.1 -1.5, 16 37 58.0 0.0, comp=E, 1um, 0.6s, 16 38 00.0, CAMT Merkez, 0.96 20 P, Pb, 16 37 45.4 +0.9, 16 37 56.2 -0.2, NAZL Nazilli-Aydin, 1.12 84 P, Pb, 16 37 46.9 +0.2, Aydn-Nazilli, 1.16 92 P, Pb, 16 37 48.2 +0.5, GOMM Golmarmara-Man, 1.18 43 P, S, Pb, 16 37 59.2 -2.9, 16 37 47.9 +0.3, DIKI Dikili, 1.22 1 P, Pn, Pb, 16 37 48.5 +0.2, AKHS Akhisar, 1.26 35 P, Pg, 16 37 50.3 +0.7, 16 38 04.5 -0.7, AKHS Akhisar, 1.26 35 P, Pg, 16 37 49.5 -0.2, Salihi, 1.27 48 P, Pg, 16 37 51.3 +1.5, 16 38 12.0, comp=N, 602nm, 0.6s, 16 38 12.0, GORD Gordes-Manisa, 1.47 43 Pn, Pb, 16 37 52.6 +0.1

ISK 30 16:40:16.8, 37'86"N, 26'96"E, h2km, ML4.1/17, THE 30 16:40:17.8, 38'N, 1'27"E, h6km, 3km, M3.7/6, MLh3.7/6, AFAD 30 16:40:17.4, 37'87"N, 26'97"E, h7km, 3km, MW3.8, ATH 30 16:40:18.4, 37'84"N, 26'91"E, h10km, 1km, ML3.9/7, Latitude uncertainty: 1 km; Longitude uncertainty: 2 km, ISC 30 16:40:17.8:0.3, 37'85"N, 0.02-26'99"E:0.02, h14km, 6km, n87, r0573/121, Dodecanese Islands

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, DGB zmir, 0.22 338 P, Pg, 16 40 22.3 -0.4, 16 40 24.9 -1.1, GMLD Gumuldur, 0.23 347 P, Pg, 16 40 22.5 -0.5, 16 40 26.2 -0.2, KUSD Kusadasi-Aydin, 0.24 87 P, Pg, 16 40 22.7 -0.3, 16 40 27.3 +0.8, GCAM G?zelcam!, 0.25 127 P, Pg, 16 40 23.0 -0.1, GCAM G?zelcam!, 0.25 127 P, Pg, 16 40 23.3 +0.3, 16 40 27.4 +0.8, BEYE izmir, 0.38 353 P, S, Pb, 16 40 25.3 -0.2, 16 40 29.1 -1.6, DDIM Aydin, Didim, 0.44 152 P, S, Sg, 16 40 30.0 +0.6, 16 40 27.9 0.0, DIDI Didim-Aydin, 0.51 157 P, Pg, 16 40 27.9 -0.1, 16 40 34.0 -1.0, DUVT Torbali, 0.52 44 P, Pg, 16 40 27.9 -0.1, 16 40 27.9 -0.5, BLCB Balcova, 0.54 5 P, Pg, 16 40 35.9 +0.3, 16 40 28.2 -0.2, BLCB Balcova, 0.54 5 P, Sg, 16 40 35.6 0.0, ZEVE izmir, Urla-Ze, 0.55 316 P, Pg, 16 40 27.9 -0.6, 16 40 35.4 -0.4, ZEVE izmir, Urla-Ze, 0.62 75 P, Pg, 16 40 30.4 +0.4, 16 40 32.1 +0.2, eme, 0.72 312 P, Pg, 16 40 31.3 -0.6, 16 40 42.0 +0.1, AYDN Yasoluk, 0.73 104 P, Pg, 16 40 32.0 -0.1, 16 40 32.6 +0.1, YKAV Yalikavak-Bodr, 0.76 162 P, Pg, 16 40 32.9 -0.6, 16 40 43.7 -0.6, BAGR Foa, 0.81 353 P, S, Pg, 16 40 33.4 -0.2, 16 40 43.4 -0.9, KRBN Karaburun, 0.82 336 P, Pg, 16 40 32.9 -0.8, 16 40 45.3 +0.7, BODR Bodrum, 0.83 162 P, Pg, 16 40 33.2 -0.6, 16 40 45.1 +0.4, MLSB Milas, 0.84 131 P, Pg, 16 40 34.1 +0.1, 16 40 34.2 -0.2, BDRM Kayabasi, 0.86 155 P, S, Pg, 16 40 44.1 -1.6, 16 40 44.8 -1.6, BODR Bodrum-Mula, 0.89 156 P, Pg, 16 40 34.6 -0.3, 16 40 35.0 0.0, FOCM Foa, 0.89 347 P, Pg, 16 40 35.0 0.0, 16 40 46.9 +0.3, KLYN Kalymnos, 0.89 181 P, S, Pb, 16 40 35.0 0.0, 16 40 46.9 +0.3, CHOS Chios island, 0.91 307 P, Pg, 16 40 34.8 -0.6, CHOS Chios island, 0.91 307 P, S, Pb, 16 40 35.4 0.0, 16 40 48.0 +0.7, CHOS Chios island, 0.91 307 P, S, Pb, 16 40 35.2 -0.1, 16 40 47.0 -0.3, KARB zmir-Karabur, 0.93 331 P, S, Pg, 16 40 35.0 -0.7, 16 40 46.8 -1.2

30d 16h

Table with columns: CAMT Merkez, 0.94 16 P, S, Pg, 16 40 35.5 -0.4, 16 40 48.6 +0.6, EAGZ Marmaro, Chios, 0.98 315 P, S, Pb, 16 40 36.0 -0.7, 16 40 48.7 -0.9, NAZL Nazilli-Aydin, 1.04 83 P, Pg, 16 40 37.9 0.0, Aydn-Nazilli, 1.08 92 P, Pb, 16 40 38.5 -0.2, 16 40 51.9 -0.8, ZEDA zmir-Bergama, 1.12 4 P, S, Pb, 16 40 38.7 -0.6, 16 40 54.0 +0.7, GOMA Golmarmara-Man, 1.13 40 Pn, Pb, 16 40 39.4 -0.1, KIRA zmir-Kiraz, 1.17 72 P, Pg, 16 40 39.4 -1.0, 16 40 54.1 -1.6, KTTT Salihi, 1.21 46 P, S, Pg, 16 40 39.7 -1.4, 16 40 40.3 -0.8, DAT Data, 1.21 157 P, S, Pg, 16 40 40.3 -0.8, 16 40 53.7 -3.8, MULA Mugla, Merkez-, 1.22 119 P, S, Pg, 16 40 40.4 -0.8, 16 40 56.3 -0.8, AKHS Akhisar, 1.22 32 P, S, Pb, 16 40 40.7 -0.6, 16 40 40.8 -0.4, DIKI Dikili, 1.22 357 P, Pn, Pb, 16 40 41.1 +0.7, DIKI Dikili, 1.22 357 P, Pn, Pb, 16 40 41.4 +1.0, YAZI Mula-Datsha, 1.22 162 P, S, Pb, 16 40 39.8 -0.8, YEZ Yezlik, 1.25 124 P, S, Pb, 16 40 56.6 -0.6, SOMA Soma-Manisa, 1.38 18 Pn, Pb, 16 40 41.0 +0.1, 16 40 43.7 +0.4, ASTA Astypalaia, 1.40 201 P, Pn, Pb, 16 40 43.6 +0.8, MANT Manisa, 1.40 62 P, S, Pb, 16 40 44.3 +0.5, GORD Gordes-Manisa, 1.41 41 Pn, Pb, 16 40 44.5 +0.5, SULTU Sultu, 1.42 81 Pn, Pb, 16 40 43.3 0.0, TURN Turunc, 1.47 136 P, S, Pb, 16 41 01.8 -0.5, 16 40 44.0 +0.2, AYVA Ayvalik, 1.48 351 P, S, Pb, 16 40 45.2 +0.2, 16 41 04.4 +0.9, TNSA Tinos, 1.48 259 P, S, Pb, 16 40 43.3 -0.6, 16 40 44.7 +0.4, PRK Paraskievi, 1.50 338 P, S, Pb, 16 41 05.0 +0.7, PRK Paraskievi, 1.50 338 P, S, Pb, 16 40 45.9 +0.4, Esmes, 1.51 70 P, Pn, Pb, 16 40 44.3 -0.2, DENIZL Tavas, 1.58 103 P, Pn, Pb, 16 40 45.4 0.0, LAKESIR Sava, 1.63 27 P, Pn, Pb, 16 40 48.2 +0.6, DENIZ Denizli-Tavas, 1.64 97 P, Pn, Pb, 16 40 46.5 +0.3, BUHA Balikesir, Bur, 1.65 2 P, S, S, 16 40 47.9 -0.1, 16 41 09.0 +0.3, KOCA Canakkale, Ayv, 1.78 338 P, Pn, Pb, 16 40 49.2 +1.1, DEMI Demirci, 1.81 48 P, Pn, Pb, 16 40 51.7 +0.1, AKM Akmerkez, 1.82 61 P, Pn, Pb, 16 40 51.9 +0.9, CMBO Columbo, Santo, 1.87 233 P, Pn, Pb, 16 40 50.1 -0.9, ARG Arkhangelos, 1.87 150 P, Pn, Pb, 16 40 49.2 -0.1, BAYC Balysa, 1.92 350 P, Pn, Pb, 16 40 49.6 -0.5, KARY Karystos, 2.02 176 P, Pn, Pb, 16 40 55.1 +0.7, KARP Karpathos, 2.20 176 P, Pn, Pb, 16 40 55.5 +0.2, GADA Gvokeda, 2.49 340 P, Pn, Pb, 16 40 57.8 0.0, SMTH Smthraaki Isl, 2.85 337 P, Pn, Pb, 16 41 02.8 0.0, ENEZ Enez, 2.96 348 P, Pn, Pb, 16 41 04.5 +0.3, ANAVIA Anavia, 3.06 214 P, Pn, Pb, 16 41 05.7 -1.2, ALN Alexandroupoli, 3.13 347 P, Pn, Pb, 16 41 07.0 +0.4, THAS Thassos island, 3.27 328 P, Pn, Pb, 16 41 08.9 +0.4, SIVA Sivas, 3.33 212 P, Pn, Pb, 16 41 09.7 +0.4, OUR Ouranopolis, 3.41 318 P, Pn, Pb, 16 41 10.7 +0.2, VELAI Velia, 3.42 252 P, Pn, Pb, 16 41 10.4 -0.2, KAVA Kavala, 3.68 329 P, Pn, Pb, 16 41 15.4 +1.2, KLV Kalavryta, Ach, 3.83 274 P, Pn, Pb, 16 41 16.4 +0.1, AGG Agios Georgios, 3.84 289 P, Pn, Pb, 16 41 16.4 0.0, ANX Ano Chora, 4.06 282 P, Pn, Pb, 16 41 20.1 +0.6, VVK Vovkovok, 4.12 280 P, Pn, Pb, 16 41 20.9 +0.6, DRO Drossia, 4.17 273 P, Pn, Pb, 16 41 21.6 +0.6, RZN Rozhen, 4.21 336 P, Pn, Pb, 16 41 21.5 +0.6

ISK 30 16:45:27.9, 37'86"N, 26'82"E, h12km, ML2.7/14, AFAD 30 16:45:28.5, 37'81"N, 26'85"E, h7km, 1km, ML2.7, ISC 30 16:45:28.5:1.2, 37'84"N, 0.04-26'83"E:0.05, h13km, 8km, n19, r0556/26, Dodecanese Islands

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, DGB zmir, 0.21 11 P, Pg, 16 45 33.5 +0.2, 16 45 37.0, GMLD Gumuldur, 0.24 16 P, Pg, 16 45 32.9 -0.9, GCAM G?zelcam!, 0.35 114 P, Pg, 16 45 35.6 0.0, 16 45 41.4 -0.6, GCAM G?zelcam!, 0.35 114 P, Pg, 16 45 35.2 -0.4, 16 45 41.0, comp=E, 1um, 0.6s, 16 45 41.6 -0.4, 16 45 42.0, KUSD Kusadasi-Aydin, 0.36 87 P, Pg, 16 45 35.2 -0.7, 16 45 43.0 -0.3, BEYE izmir, 0.39 11 P, S, Pb, 16 45 36.7 -0.6, 16 45 40.0 +0.4, BEYE comp=N, 446nm, 0.5s, 16 45 44.0, ZEVE izmir, Urla-Ze, 0.47 327 P, Pb, 16 45 38.6 -0.1, 16 45 46.0, ZEVE izmir, Urla-Ze, 0.47 327 P, Pb, 16 45 46.1 +0.5, 16 45 47.0, comp=E, 584nm, 0.2s, 16 45 39.9 -0.4, 16 45 48.4 +0.2, DIDI Didim-Aydin, 0.57 145 P, Pg, 16 45 39.3 -0.4, 16 45 48.4 +0.2, BLCB Balcova, 0.57 17 P, Pg, 16 45 39.3 -0.4, 16 45 40.5 -0.5, eme, 0.64 320 P, Pg, 16 45 40.4 -0.5, KRBN Karaburun, 0.78 344 P, Pg, 16 45 43.1 -0.6, YKAV Yalikavak-Bodr, 0.80 153 P, Pg, 16 45 44.2 0.0, BAGR Foa, 0.81 1 P, S, Pb, 16 45 44.3 -0.2, 16 45 58.8 +1.2, comp=N, 594nm, 0.8s, 16 45 59.0, CHOS Chios island, 0.82 312 P, Pg, 16 45 43.7 -0.7, 16 45 44.7 -0.2, AYDB Zeytinkoy-Aydi, 0.85 83 P, Pg, 16 45 44.7 -0.2, BODR Bodrum, 0.87 154 P, Pg, 16 45 45.2 -0.2, FOCM Foa, 0.87 355 P, Pg, 16 45 44.1 -1.6, FOCM Foa, 0.87 355 P, Pg, 16 45 44.7 -0.1, MLSB Milas, 0.93 126 P, Pg, 16 45 46.4 -0.1, NAZL Nazilli-Aydin, 1.16 84 Pn, Pb, 16 45 50.6 +0.1, 16 45 50.6 +0.1, ISC 30 16:47:11.4, 37'90"N, 26'97"E, h15km, ML3.3/12, AFAD 30 16:47:11.5, 37'86"N, 26'83"E, h7km, 1km, ML2.8, ISC 30 16:47:11.8:1.0, 37'89"N, 0.03-26'94"E:0.04, h14km, 7km, n21, r0548/27, Dodecanese Islands

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, DGB zmir, 0.17 345 P, Pg, 16 47 15.6 -0.2, 16 47 18.0, comp=E, 1um, 0.4s





30d 17h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KARB zmir-Karabur, BODA Bodrum-Mula, NAZL Nazilli-Aydin, etc.

ISK 30 17:02:37.1, 37.82N-26.86E, h5km, ML3.2/17
AFAD 30 17:02:38.1, 37.87N-26.86E, h8km, 3km, ML2.8
THE 30 17:02:38.4, 38.1N-27.7E, h0km, 6km, M3.1/7, MLh3.1/7

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DGB zmir, GMLD Gumuldir, GCAM G?zelcam!, etc.

2020 OCT

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AYDN Tasoluk, BAGT Foa, BODT Bodrum, etc.

ISK 30 17:04:55.7, 37.96N-26.43E, h16km, ML2.4/22
AFAD 30 17:04:55.6, 37.92N-26.49E, h7km, 3km, ML2.6
ISC 30 17:04:55.1-1.1, 37.93N-0.03-26.42E-0.04, h12km, gkm,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ZEVE Izmir, DGB zmir, CESE eme, etc.

1764

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NAZL Nazilli-Aydin, SOMA Soma-Manisa, etc.

AFAD 30 17:11:04.1, 37.87N-26.46E, h7km, 3km, ML3.1
ISK 30 17:11:06.3, 37.90N-26.54E, h7km, ML3.1/14
THE 30 17:11:06.7, 38.1N-27.6E, h18km, 2km, M3.0/7, MLh3.0/7

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ZEVE Izmir, CESE eme, DGB zmir, etc.







Table with columns: Code, Station Name, Azimuth, Phase ID, Op, P, h, m, s, Res, ISC. Includes stations like Aydin, Didim, Karaburun, Didim-Aydin, Foa, Bodrum, Tinos, Datca, Paraskevi, Chios island, zmir-Karabur, Zeytinokoy-Aydi, Tasoluk, Milas, Kayabasi, Dikili, Nazilli-Aydin, Akhisar, Soma-Manisa, Gordes-Manisa.

ISK 30 17:33:01.3, 37:81'N, 26:95'E, h12km, ML2.8/13
AFAD 30 17:33:02.1, 37:86'N, 27:00'E, h7km, 5km, ML2.7
ISC 30 17:33:02.3-0.9, 37:83'N, 0:02-26:99E, 0:03, h13km, 7km,

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, P, h, m, s, Res, ISC. Includes stations like G?zelcaml?, KUSD, DGB, GMLD, BEYE, DUVT, ZEYE, DAGE, AYDB, Yalikavak-Bodr, Bodrum, Milas, Bodrum-Mula, zmir-Karabur, Merkez, Nazilli-Aydin, Nazilli, ESEN, GOMM, Salihli, AKHS, YER, DKL, SOMA.

THE 30 17:34:56.9, 38'N, 2'26E, h3km, 3km, M3.0/13, MLh3.0/13
ATH 30 17:34:57.3, 37:86'N, 26:53'E, h26km, 5km, ML3.2/4,
Latitude uncertainty: 6 km; Longitude uncertainty: 7 km
ISC 30 17:34:57.0-1.3, 37:84'N, 0:03-26:46E, 0:04, h13km, 13km,

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, P, h, m, s, Res, ISC. Includes stations like Karlovasi Samo.

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, P, h, m, s, Res, ISC. Includes stations like Chios island, Balcova, Marmaro, Chios, Bodrum, Tinos, Datca, Paraskevi, Colombo, Santo, Karytos, Santorini-Thir, Thira Island, Thira Island, Dionisos Attik, Kymi, Euboea I, Penteli, Arkhangelos, Voula, Athens, Limnos Island.

ISK 30 17:35:49.6, 37:89'N, 26:86'E, h15km, ML2.9/14
AFAD 30 17:35:49.4, 37:88'N, 26:82'E, h8km, 2km, ML2.8
ISC 30 17:35:49.5-0.9, 37:90'N, 0:02-26:86E, 0:03, h16km, 6km,

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, P, h, m, s, Res, ISC. Includes stations like G?zelcaml?, KUSD, DGB, GMLD, BEYE, DUVT, ZEYE, Balcova, Aydin, Didim, Torbali, Didim-Aydin, Bodrum, Yalikavak-Bodr, Foa, Zeytinokoy-Aydi, Tasoluk, Marmaro, Chios, Bodrum, Milas, Merkez, Bodrum-Mula, zmir-Bergama, ZEDA, Nazilli-Aydin, Nazilli, GOMM, DKL, ESEN, AKHS, KIRA, SOMA, AYVA, Parasevi, Manisa.

AFAD 30 17:40:15.1, 37:87'N, 26:83'E, h11km, 2km, ML3.3
ISK 30 17:40:16.0, 37:87'N, 26:85'E, h12km, ML3.2/22
ATH 30 17:40:16.2, 37:84'N, 26:75'E, h19km, 3km, ML3.2/8,
Latitude uncertainty: 2 km; Longitude uncertainty: 3 km
THE 30 17:40:17.3, 38'N, 3'27E, h27km, 9km, M3.0/11, MLh3.0/11

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, P, h, m, s, Res, ISC. Includes stations like zmir, Gumuldur, izmir, Kusanadi-Ayidin, G?zelcaml?, Izmir, Urla-Ze, Aydin, Didim, Balcova, Balcova, Didim-Aydin, Torbali, eme, izmir, Karaburun, Foa, Chios island, Chios island, Yalikavak-Bodr, Foa, Zeytinokoy-Aydi, zmir-Karabur, Tasoluk, Marmaro, Chios, Bodrum, Milas, Merkez, Bodrum-Mula, zmir-Bergama, Nazilli-Aydin, Nazilli, GOMM, DKL, ESEN, AKHS, AKS, KIRA, Salihli, Datca, Data, Data-Mugla, Tinos, YER, AKHS, ASTA, SOMA, AYVA, Parasevi.



Table with columns: MLSB, Milas, 0.89 131, Pg, Pb, 17 59 00.6, -1.2, etc.

Table with columns: WRR6, Warramunga Arr, 16 20 207, P, Pn, 18 05 31.7, +2.0, etc.

Table with columns: TPUB, Ta-pu, 35.58 324, P, P, 18 08 37.1, -2.2, etc.

IDC 30 18:01:39.9,0.5,5.40S;142:34E,h0km,mb4.4/17, mblmp4.4/25,ML4.3/7,MS4.3/37, Error ellipse: s-maj=14.8km s-min=8.8km az=63.0

BATI Bati, 18.94 255, P, Pn, 18 06 08.5, +4.6, etc.

DL2 Dalian, 48.15 338, eP, S, 18 10 25.0, +3.2, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

Table with columns: ASAR, Alice Springs, 19.72 203, P, Pn, 18 06 10.9, -0.7, etc.

Table with columns: USRK, Ussuriysk Arr, 50.35 350, P, P, 18 10 37.9, -0.7, etc.

30d 18h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Ulanbaatar, Songino Array, Everest, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Salcha River, Squaw Lake, Dot Lake, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Makanchi Array, KasteK, KST, etc.









30d 18h

Table with columns: FVM, French Village, 49.98 344, Iamb, Iamb, 18 33 32.6, OLIL, Olney, 50.12 347, P, P, 18 33 31.8 -1.3, etc.

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Table with columns: FLET, Fletcher, 54.65 2 Iamb, Iamb, 18 34 08.9, WVL, Waterville, 54.68 5 Iamb, Iamb, 18 34 10.0, SADO, Sadova, 54.78 356 P, P, 18 34 06.9 -0.7, etc.

1774

Table with columns: K22A, Casper, 59.89 334 Iamb, Iamb, 18 34 45.2, ASCN, Ascension, 59.95 93 P, P, 18 34 44.6 0.0, GSC, Goldstone, 59.97 321 Iamb, Iamb, 18 34 46.4, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, and other technical details. Includes entries like BUT Butte, ROSA Rosais, FARB Farbon Islan, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, and other technical details. Includes entries like D05A Enunclaw, GNW Green Mountain, SHUK Shuksan-Mt. Ba, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, and other technical details. Includes entries like PSBE Beja, PBEJ Beja, EVO Evora, etc.

30d 18h

Table with columns: Station, Frequency, Power, Direction, Date, Time, and other parameters. Includes stations like PAB San Pablo, ESDC Sonseca Aray, R33M Jennings River, etc.

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Table with columns: Station, Frequency, Power, Direction, Date, Time, and other parameters. Includes stations like TULEG Thule, VYND Vanda, VYND Vanda, etc.

1776

Table with columns: Station, Frequency, Power, Direction, Date, Time, and other parameters. Includes stations like ORIF Oris-en-Rattie, DBG Daneborg, E27K Coleen River, etc.



30d 18h

Table with columns for station call letters, frequency, and other identifiers. Includes stations like TREB, MORC, JAVC, BRY, etc.

2020 OCT

Table with columns for station call letters, frequency, and other identifiers. Includes stations like GNI, PETK, MA2, GANJ, etc.

1778

Table with columns for station call letters, frequency, and other identifiers. Includes stations like ASAR, BTLB, KLBRL, etc.







Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and station details like PRK Paraskevi, TNSA Tinos, NAX1 Naxos Island, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and station details like GORD Santorini-Thir, SAP3 SAP3, THR3 Thira Island, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and station details like FOCM Milas, MLSB Milas, Nazilli-Aydin, etc.

AFAD 30 18:54:08.5, 37.84N, 26.45E, h7km, 1km, ML2.9
ISK 30 18:54:09.9, 37.87N, 26.45E, h7km, ML2.8/2.3
ATH 30 18:54:10.9, 37.91N, 26.28E, h14km, 2km, ML3.3/5

ISC 30 18:55:19.9, 3.5, 16.76S, 168.63E, h0km, mb4.0/4
mbmp3, 0/4, Error ellipse: s-maj=294.6km s-min=33.5km
az=157.0

ISC 30 18:59:14.0, 1.8, 37.69N, 26.53E, h0km, mb3.5/2
mbmp3, 3/5, ML1.7/2, MS4.0/3, Error ellipse: s-maj=39.1km
s-min=15.4km az=141.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and station details like ZYEYE Izmir, Urla-Ze, DGB zmir, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and station details like SANVU Saraoutou, MARNC Mare, Loyalty, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and station details like ZYEYE Izmir, Urla-Ze, DGB zmir, etc.

ISC 30 18:55:44.9, 37.79N, 26.85E, h5km, ML2.5/2.2
AFAD 30 18:55:45.7, 37.87N, 26.74E, h7km, 5km, ML2.4

ISC 30 18:55:45.1, 2.3781N, 0.003, 26.78E, h0km, 10km,
n28, r069/37, Dodecanese Islands

Code Station Name Az Az' Phase ID Time Res and station details like FOCM Foa, FOCM Kalymnos, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and station details like DGB zmir, DGB zmir, GMLD Gumuldur, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and station details like DGB zmir, DGB zmir, GMLD Gumuldur, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and station details like FOCM Foa, FOCM Kalymnos, etc.

30D 19h

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like Dionisos Attik, Kymi, Peniteli, Voula, Athens, etc.

IDC 30 19:02:25.4+1.0, 37.85N:26.44E, h0km, mb3.7/5, mbtmp3.6/10, ML2.7/4, Error ellipse: s-maj=16.1km s-min=13.7km az=126.0

AFAD 30 19:02:27.6, 37.89N:26.52E, h0km, gkm, MW3.5, ISK 30 19:02:28.0, 37.91N:26.51E, h7km, ML4.0/6, ATH 30 19:02:28.1, 37.90N:26.35E, h13km, gkm, ML3.6/6, Latitude uncertainty: 4 km; Longitude uncertainty: 3 km

ISC 30 19:02:27.4+0.9, 37.87N:0.02-26.48E, 0.02, h14km, 7km, n112, 0.15/10/144, mb3.4/4, 11C-4D, Dodecanese Islands

Main table for 30D 19h with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like zmir, Izmir, Urla-Ze, Balcovia, Karaburun, etc.

2020 OCT

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like Thira Island, Thira Island, Manisa, Skiros Island, etc.

IDC 30 19:02:25.4+1.0, 37.85N:26.44E, h0km, mb3.7/5, mbtmp3.6/10, ML2.7/4, Error ellipse: s-maj=16.1km s-min=13.7km az=126.0

AFAD 30 19:02:27.6, 37.89N:26.52E, h0km, gkm, MW3.5, ISK 30 19:02:28.0, 37.91N:26.51E, h7km, ML4.0/6, ATH 30 19:02:28.1, 37.90N:26.35E, h13km, gkm, ML3.6/6, Latitude uncertainty: 4 km; Longitude uncertainty: 3 km

ISC 30 19:02:27.4+0.9, 37.87N:0.02-26.48E, 0.02, h14km, 7km, n112, 0.15/10/144, mb3.4/4, 11C-4D, Dodecanese Islands

Main table for 2020 OCT with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like Thira Island, Thira Island, Manisa, Skiros Island, etc.

1782

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like Canakkale, Ayv, Yerkesik, Balikesir, etc.

IDC 30 19:04:55.4+0.6, 4.76S:127.97E, h0km, mb4.3/14, mbtmp4.3/20, ML4.3/5, MS3.6/4, Error ellipse: s-maj=16.5km s-min=11.0km az=101.0

NEIC 30 19:04:55.5+1.7, 4.82S:102.06E, 0.06, h10km, 1km, mb4.6/47, Error ellipse: s-maj=10.2km s-min=5.4km az=194.0

GFZ 30 19:04:57.1+0.2, 5.2S:127.8E, h10km, M4.7/21, mb4.7/21, Error ellipse: s-maj=6.2km s-min=4.7km az=52.3, confirmed

DJA 30 19:04:58.8+0.9, 5.2S:127.8E, h15km, 7km, M4.8/40, mb4.7/40, mb5.5/33, ML4.5/30, Mw(mb)4.9/13, MwMwp5.8/1, Mwmp5.9/1

ISC 30 19:04:55.9+0.3, 4.81S:102.04E, 0.04, h10km, n156, 0.173/155, mb4.6/41, MS4.1/5, 1D, Banda Sea

Main table for 1782 with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like Ambon, Bandanaira, Sanana, etc.









30d 19h

Table with columns: HOQ, HQ, IBAF, BIDO, DOBID, BSY, SMDO, WWSAR, JMDO, WBK, JLH, MHTO, MHTO, SRVN, DOM, DCAM, DOKA, RAYN, RAYN, WHFO, WHFO, RBK, RBK, ABTO, ABTO. Includes station names, codes, and coordinates.

ATH 30 19:23:44.6, 37:85N-26:96E, h13km, 2km, ML3, 1/3. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like zmir, GMLD, KUSD, DDIM, ZEZE, etc.

Main table for 30d 19h section, listing stations like GMLD, KUSD, DDIM, ZEZE, BEYE, etc. with their respective codes, station names, and coordinates.

2020 OCT

Table with columns: YER, YER, SOMA, SOMA, ASTA, GORD, PRK, PRK, SNTS, SAP3, KARY, DION, DION. Includes station names and coordinates.

ISK 30 19:27:11.1, 37:79N-26:91E, h8km, ML3, 2/14. THE 30 19:27:11.7, 38'N-1'x2'7E, h9km, 2km, M2, 9/10, MLh2, 9/10

AFAD 30 19:27:11.5, 37:80N-26:92E, h7km, 5km, ML2, 9. ISK 30 19:27:11.7, 0.9, 37:80N-02:26.91E, 0.03, h10km, 8km, n43, c046/61, Dodecanese Islands

Main table for 2020 OCT section, listing stations like GMLD, KUSD, DDIM, ZEZE, etc. with their respective codes, station names, and coordinates.

1786

Table with columns: H03S3, H03N2, H03N1, VNA3, VNA2, TROLL, MAW, SIV, H01W1, ASAR, H01W2, H01W3, WRA, H11S2, H11S3, H11S1, EKA, DAVOX. Includes station names and coordinates.

AFAD 30 19:32:20.8, 37:83N-26:84E, h7km, 2km, MW3, 5. ATH 30 19:32:20.8, 37:82N-26:80E, h13km, 1km, ML3, 5/6. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km

ISK 30 19:32:21.4, 37:85N-26:85E, h7km, ML3, 7/17. THE 30 19:32:22.1, 38'N-1'x2'7E, h52km, 5km, M3, 4/10, n78, c0676/120, Dodecanese Islands

Main table for 1786 section, listing stations like KRL1, DGB, GMLD, KUSD, DDIM, ZEZE, etc. with their respective codes, station names, and coordinates.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PRK Paraskevi, GORD Gordes-Manisa, MANT Manisa, etc.

ISK 30 19:37:03.9,37:83N,27:00E,h19km,1km,ML2,3/6
AFAD 30 19:37:04.3,37:87N,27:04E,h7km,4km,ML2,5
ISC 30 19:37:04.4,1,0,37:85N,0:03,27:00E,0:04,h17km,6km,
n18,c164/30,Decadence Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DGB zmir, KUSD Kusadasi-Aydin, GCAM G?zelcam!?, etc.

JMA 30 19:39:01.8,0.2,25°N,1°12'23.3E,0.5,h51km,3km,
MV2,4/10,TAIWAN REGION
TAP 30 19:39:01.4,24:81N,122:25E,h13km,ML3,0,C
ISC 30 19:39:01.1,1,0,24:78N,0:02,122:29E,0:02,h9km,8km,
n88,c0569/139,Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EGS EGS, TWB1 Santiao Chiao, EOS2 EOS2, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NWLT Wulai, NNDH Xindian Distri, YOJ Yonaguni jima, etc.

IDC 30 19:41:50.0,14.0,16:89S,179:29W,h539km,87km,
mb3,2/3,mbtp4,0/4,Error ellipse: s-maj=866,3km
s-min=119.7km,az=79.0
NEIC 30 19:41:49.4,1.9,16:85S,179:1W,0:2,h55km,14km,
mb4,1/15,Error ellipse: s-maj=24.8km,s-min=18.0km
az=128.0

ISC 30 19:41:49.3,0.8,16:75S,0:2,179:2W,0:1,h550km,n22,
c110/22,mb4,1/11,Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MSVF Nonsavu, NIUE Niue, CTAO Charters Tower, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KRL1 Karlovasi Samo, DGB zmir, GCAM G?zelcam!?, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DKL Dikili, DKL Dikili, NAZL Nazilli-Aydin, etc.



Table with columns for station name, frequency, power, and other technical details. Includes stations like KST, TNS, MRKS, MDO, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like TDK, THN, DHARM, KBL, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like WBK, JLN, SMDO, ASHO, etc.

30d 20h

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like MNK, NJ2, NACGM, VASU, MLR, BURAR, etc.

2020 OCT

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like BNI, SSB, EKA, EKB, ESDC, etc.

1790

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like CHOS, AYDB, BODT, FOCM, etc.

ISK 30 20:24:45.2, 37°86'N-26°91'E, h7km, ML3.5/17
AFAD 30 20:24:45.6, 38°N-2°27'E, h13km, 7km, M3.1/16, ML13.1/16
ISC 30 20:24:45.4, 0.8, 37.84N, 0.02, 26.89E, 0.02, h14km, 6km, n53, c058/58, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, h m s, ISC, h m s, ISC. Includes stations like DGB, GMLD, GAMA, etc.



Table with columns: ZEDA, zmir-Bergama, 1.14 7 P Sg, 20 25 06.5 -0.8, 20 25 22.7 +0.6, 20 25 25.0, comp=E,429nm,0.5s, IAML, 20 25 27.0, GOMA, GOLMARMARA-MAN, 1.18 43 Pn Pb, 20 25 07.7 +0.1, DKL, Dikili, 1.23 0 Pn Pn, 20 25 08.8 +0.7, DAT, Datca, 1.24 154 P S, 20 25 08.2 -1.0, 20 25 23.6 -1.7, AKS, Akhisar, 1.27 35 Pn Pn, 20 25 08.7 +0.1, AKS, VER, 1.31 122 Pn Pn, 20 25 09.0 -0.3, SOMA, Soma-Manisa, 1.41 221 Pn Pn, 20 25 11.6 +0.2, SOMA, GORD, 1.47 43 Pn Pn, 20 25 12.4 -0.1, GORD, Paraskevi, 1.49 341 P S, 20 25 12.0 +0.4, 20 25 30.5 -0.3, PRK, PRK, 1.81 221 P Pn, 20 25 17.4 +1.3, CMBO, Santorini-Mono, 1.82 219 P P, 20 25 19.2 +0.8, THRB, Thira Island, 1.86 210 P P, 20 25 20.8 -0.3, TH11, Athinios (Pele), 1.86 219 Pn Pn, 20 25 19.6 +0.4, KARY, Karystos, 1.95 276 P Pn, 20 25 17.4 +1.3, KARY, KARY, 1.95 276 P S, 20 25 17.4 +1.3, KARY, EZN, 2.03 348 Pn Pn, 20 25 19.2 +0.8, 20 25 44.5 +0.2, EZN, Karpathos, 2.30 175 Pn Pn, 20 25 22.2 -0.6, KARP, Karpathos, 2.30 175 Pn Pn, 20 25 22.2 -0.6, DION, Dionisios Attik, 2.35 277 Pn Pn, 20 25 23.3 -0.2, DION, LIA, 2.45 328 Pn Pn, 20 25 24.5 -0.4, LIA, Voula, Athens, 2.45 271 Pn Pn, 20 25 24.6 -0.3, VLY, Neapolis, 2.77 202 Pn Pn, 20 25 28.9 -0.4, NPS, Neapolis, 2.77 202 Pn Pn, 20 25 28.9 -0.4, SMTH, Samothraki Isl, 2.83 338 Pn Pn, 20 25 29.8 -0.3, ENEZ, Enez, 2.95 349 Pn Pn, 20 25 31.8 +0.1

AFAD 30 20:27:02.6, 37.83°N, 26.73°E, h7km, 3km, ML2.7  
ISK 30 20:27:03.1, 37.89°N, 26.79°E, h18km, ML3.6, 11  
ISC 30 20:27:03.2, 37.87°N, 26.78°E, 0.05s, h15km, gkm,  
n17, c031/26, Dodecanese Islands

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time, Res, DGB, zmir, 0.20 25 P Sg, 20 27 07.4 -0.6, 20 27 11.8 +0.7, 20 27 12.0, comp=N, 960nm, 0.2s, IAML, 20 27 12.0, GMLD, Gumludur, 0.24 28 Pn Pn, 20 27 08.2 -0.3, 20 27 12.3 +0.3, BEYE, izmir, 0.38 18 P S, 20 27 10.6 -0.3, 20 27 17.6 +0.3, BEYE, comp=N, 651nm, 0.3s, IAML, 20 27 19.0, GCAM, G?zelcaml?, 0.40 115 Pn Pn, 20 27 11.7 -0.3, 20 27 18.2 +0.4, GCAM, G?zelcaml?, 0.40 115 Pn Pn, 20 27 11.1 -0.2, 20 27 17.8 -0.1, GCAM, comp=N, 654nm, 0.4s, IAML, 20 27 18.0, KUSD, Kusadasi-Aydin, 0.40 91 Pn Pn, 20 27 11.5 +0.1, 20 27 17.7 -0.3, ZEVE, Izmir, Urla-Ze, 0.43 330 Pn Pn, 20 27 11.4 -0.4, 20 27 18.0 0.0, 20 27 19.0, comp=E, 655nm, 0.3s, IAML, 20 27 20.0, ZEVE, comp=N, 1µm, 0.3s, IAML, 20 27 20.0, BLCB, Balçova, 0.56 22 Pn Pn, 20 27 14.3 +0.1, 20 27 22.3 -0.2, CESE, eme, 0.60 321 Pn Pn, 20 27 15.0 -0.3, 20 27 23.9 +0.4, CESE, Didim-Aydin, 0.61 143 Pn Pn, 20 27 15.7 +0.1, DIDI, Karaburun, 0.74 346 Pn Pn, 20 27 17.7 -0.2, KRBN, Chios island, 0.77 313 Pn Pn, 20 27 18.7 +0.4, CHOS, Yalikavak-Bodr, 0.84 151 Pn Pn, 20 27 20.4 -0.1, YKAV, FOCM, 0.84 358 Pn Pn, 20 27 19.5 -0.1, FOCM, Bodrum, 0.91 152 Pn Pn, 20 27 21.4 0.0, BODT, MLIAS, 0.98 125 Pn Pn, 20 27 22.4 0.0, MLIAS, DKL, Dikili, 1.21 5 Pn Pn, 20 27 25.5 0.0, AML

IDC 30 20:32:41.5, 0.5, 13.04°N, 125.66°E, h0km, mb4.3/23,  
mbmp4.3/25, ML4.4/2, MSS3.1, Error ellipse:  
s-maj=24.1km s-min=11.4km az=73.3  
MAN 30 20:32:45.0, 13.12°N, 125.67°E, h58km, MS4.2  
NEIC 30 20:32:46.1, 13.13°N, 125.7°E, 0.1, h24km, 5km,  
mb4.6/66, Error ellipse: s-maj=15.5km s-min=2.0km  
az=73.0  
DJA 30 20:32:57.6, 1.4, 12°1'N, 125°12'6"E, h21km, 13km, M4.6/37,  
mb4.7/37, mb5.2/10, Mw(mb)4.6/10  
ISC 30 20:32:45.7, 0.4, 13.11°N, 125.71°E, 0.06, h28km, n146,  
r152/152, mb4.5/53, Philippine Islands region

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time, Res, PLO, Palo, 2.06 200 eS Pn, 20 33 17.4 -1.1, 20 33 42.5 -0.7, MNP, Masbate, 2.17 250 eS Pn, 20 33 20.4 +0.5, 20 33 48.2 -2.5, MPPH, Lupu-Lapu, 3.26 212 eS Pn, 20 33 14.7 -0.3, 20 33 13.4 +0.6, GOP, Gunayangan, 3.27 284 eS Pn, 20 33 34.9 -0.2, 20 34 12.0 -1.1, GOP, Tagbilaran, 3.85 208 eS Pn, 20 33 43.5 +0.4, 20 34 28.3 +0.8, GJM, Jordan, 3.93 231 eS Pn, 20 34 09.1 +0.9, 20 34 29.2 -0.1, TSSP, Tandag City, 4.07 173 eS Pn, 20 33 44.9 -1.3, 20 34 21.4 -1.1, JAP, San Jose, Anti, 4.37 238 eP Pn, 20 33 53.8 +3.6, 20 35 17.9 +0.4, LSP, Lazi, Siquijor, 4.45 207 eS Pn, 20 34 09.1 -3.3, 20 34 09.1 -3.3, CGP, Cagayan de Oro, 4.73 192 eS Pn, 20 33 46.1 -9.1, 20 34 47.5 -1.7, CGP, Bislig, 4.94 172 eS Pn, 20 33 59.3 +1.2, 20 34 47.4 -6.9, BIPH, Palanan, 5.05 322 eS Pn, 20 34 00.0 +0.4, 20 34 01.5 -5.2, PALP, Musuan, 5.24 187 eS Pn, 20 34 07.6 +5.4, 20 35 01.9 +0.2, CDOP, Cateel, Davao, 5.34 172 eP Pn, 20 34 04.3 +0.7, 20 34 59.5 -4.8, DAV, Davao City (W), 6.00 181 eS Pn, 20 34 14.7 -1.9, PACPP, Pamplona Cagay, 6.77 322 eS Pn, 20 34 24.0 +0.8, MNI, Manado, 11.62 184 Pn Pn, 20 35 33.3 +3.4, NACB, Ningsanchang, 11.67 341 Pn Pn, 20 35 28.8 -1.6, KOTM, Kota Kinabalu, 11.70 234 Pn Pn, 20 35 29.6 -1.3, YHNB, Yeheng, 12.21 341 Pn Pn, 20 35 37.3 -0.5, 20 35 49.4 +2.4, TOLIZ, Toitoli, 12.88 203 Pn Pn

Table with columns: JOW, Kunigami, 13.86 10 Pn Pn, 20 35 59.7 -0.7, 3.8nm, 0.3s, baz=117, slow=25, SNR=6.4, 14nm, 0.4s, JOW, HKPS, Hong Kong Po S, 14.29 311 AML Pn, 20 36 05.1 -1.2, LUWU, Luuwuk, 14.36 192 P P, 20 36 11.3 -2.6, APSI, Ampana, 14.50 196 P P, 20 36 13.5 -2.0, SIJI, Soror, 14.94 158 Pn Pn, 20 36 14.6 -0.6, 1.2nm, 0.3s, baz=327, slow=13, SNR=6.3, 3.3nm, 0.4s, SIJI, Sorong, 14.94 158 AML Pn, 20 36 16.6 +1.4, 11nm, 0.8s, SIJI, Sanana, 15.06 179 P P, 20 36 19.7 -2.1, SANI, Palu, 15.09 203 P P, 20 36 23.8 +1.7, 37nm, 1.1s, NLAI, Namlea, 16.30 175 P P, 20 36 36.2 +0.7, 634nm, 49nm, 0.6s, SBUM, Sibau, 17.04 233 P Pn, 20 36 42.3 +0.2, TTSI, Tana Toraja, 17.08 200 P P, 20 36 44.1 +1.9, FAKI, Fak Fak, 17.20 157 P Pn, 20 36 46.8 +0.7, FAKI, Fak Fak, 17.20 157 P P, 20 36 46.4 +0.9, 24nm, 1.2s, KDI, Kendari, 17.23 190 P P, 20 36 48.9 +3.1, PMSI, Majene, 17.83 203 P P, 20 36 57.6 +5.1, 60nm, 0.9s, BKSI, Butubutu, 19.14 197 P Pn, 20 37 12.8 +5.0, 25nm, 0.8s, BSSI, Bau Bau, Buton, 19.82 195 P Pn, 20 37 18.7 +2.7, 19nm, 0.7s, JMU, Jintani, 21.58 8 P P, 20 37 33.5 +0.3, JTN, Monobe, 21.83 19 P P, 20 37 35.2 -0.8, JMN, comp=Z, 50nm, 1.3s, IAMB, IAMB, 20 37 46.5, ENH, Enshi, 22.73 321 P P, 20 37 46.1 +0.5, 20 37 48.5, ENH, comp=Z, 8.8nm, 0.8s, IAMB, IAMB, 20 37 48.5, SOEI, Soe, 22.76 184 P P, 20 37 45.4 -0.7, SOEI, Soe, 22.76 184 P P, 20 37 50.5 +4.4, KSRs, Korea Array, 24.32 4 P P, 20 38 01.5 +0.5, comp=Z, 5.1nm, 0.9s, baz=183, slow=10.0, SNR=16, 2.5nm, 0.9s, CM31, Chiang Mai Arr, 26.28 285 P P, 20 38 18.5 -0.5, 26.28 285 P P, 20 38 19.2 +0.2, comp=Z, 1.9nm, 0.6s, baz=96, slow=7.8, SNR=20, 3.9nm, 0.6s, CMAR, Chiang Mai Arr, 26.28 285 P P, 20 38 18.4 -0.6, 26.28 285 P P, 20 38 18.9 -0.6, CHTO, Chiang Mai, 26.33 286 P P, 20 38 18.4 -1.1, MTN, Manton Dam, 26.34 168 P P, 20 38 59.4, IAMB, IAMB, comp=Z, 12nm, 1.5s, MNAI, Manna, 28.49 234 P P, 20 38 38.2 -0.7, 28.49 234 P P, 20 38 40.5 -0.7, KNRA, Kunurra, 28.76 174 P P, 20 38 55.8, IAMB, IAMB, comp=Z, 9.2nm, 1.1s, FITZ, Fitzroy Cross, 31.01 180 P P, 20 38 59.9 -1.1, USRK, Ussuriysk Ar, 31.45 9 P P, 20 39 04.9 +0.2, comp=Z, 2.8nm, 0.8s, baz=208, slow=12, SNR=4.6, 31.45 9 P P, 20 39 04.2 -0.5, USRK, Warramunga Arr, 33.77 165 P P, 20 39 22.6 -2.7, WBO, Warramunga Arr, 33.93 165 P P, 20 39 24.8 -1.9, WRA, Warramunga Arr, 33.93 165 P P, 20 39 24.8 -1.9, comp=Z, 0.8nm, 0.6s, baz=345, slow=8.5, SNR=7.2, WRA, Warramunga Arr, 33.98 165 P P, 20 39 24.9 -2.2, 33.98 165 P P, 20 39 24.9 -2.2, WR8, Warramunga Arr, 34.12 22 LR P LR, 20 53 30.3, ASAJ, Asahikawa, 34.12 22 LR P LR, 20 53 30.3, SHL, Shillong, 34.13 296 P P, 20 39 28.1 -0.5, 34.13 296 P P, 20 39 32.9, IAMB, IAMB, comp=Z, 5.2nm, 0.5s, GA2A, Gaotai, 34.84 324 eP Pmax, 20 39 36.0 +1.4, GTAT, comp=Z, 4.0nm, 1.1s, IAMB, IAMB, 20 39 44.6 -0.3, LSA, Lhasa, 35.98 303 P P, 20 39 47.7, IAMB, IAMB, comp=Z, 8.8nm, 1.0s, GOMU, GeErLu, 36.02 315 P P, 20 39 47.0 +1.9, GOMU, GOMU, 36.02 315 P P, 20 39 51.0 -0.1, GOMU, GOMU, 36.02 315 P P, 20 39 54.5 +1.0, comp=Z, 7.0nm, 1.1s, AS31, Alice Springs, 37.42 168 P P, 20 39 55.9 -0.7, ASAR, Alice Springs, 37.42 168 P P, 20 39 56.6 -0.3, comp=Z, 1.0nm, 0.3s, baz=355, slow=7.3, SNR=27, 37.42 168 P P, 20 39 56.6 0.0, comp=Z, 1.0nm, 0.3s, ASAR, Alice Springs, 37.42 168 P P, 20 39 56.6 0.0, ULN, Ulanbatar, 37.38 340 P P, 20 40 00.9 -0.4, SONM, Songino Array, 38.18 339 P P, 20 40 03.2 +0.3, comp=Z, 2.3nm, 0.7s, baz=158, slow=10, SNR=16, 38.18 339 P P, 20 40 03.0 0.0, SONM, Songino Array, 39.11 298 P P, 20 40 10.1 -1.6, EVN, Evered, 21 23 30.6, H1S3, WAKE ISLAND Hy 39.73 77 T T, 21 23 35.8, H1S1, WAKE ISLAND Hy 39.74 77 T T, 21 23 35.8, H1S2, WAKE ISLAND Hy 39.75 77 T T, 21 23 31.9, H1N1, WAKE ISLAND Hy 39.75 77 T T, 21 23 44.1, H1N2, WAKE ISLAND Hy 39.98 75 T T, 21 23 52.4, H1N3, WAKE ISLAND Hy 39.99 75 T T, 21 23 46.2, FORT, Forrest, 43.70 177 P P, 20 40 48.4 0.0, FORT, Forrest, 43.70 177 P P, 20 41 01.5, IAMB, IAMB, comp=Z, 6.5nm, 0.7s, NWA0, Narrogin (SRO), 46.49 190 P P, 20 41 10.1 -0.4, BBOO, Buckleboo, 46.72 168 P P, 20 41 12.5 +0.1, STKA, Stephens Creek, 47.25 162 P P, 20 41 17.3 +0.8, comp=Z, 1.9nm, 0.5s, baz=321, slow=8.3, SNR=3.8, 47.25 162 P P, 20 41 16.7 +0.2, STKA, Stephens Creek, 47.25 162 P P, 20 41 16.8 +0.3, PETK, Petropavlovsk, 47.31 26 P P, 20 41 18.6 +1.8, comp=Z, 3.5nm, 0.6s, baz=204, slow=3.3, SNR=5.0, 47.31 26 P P, 20 41 17.1 +0.3, PETK, Petropavlovsk, 47.31 26 P P, 20 41 34.9 +1.4, 47.31 26 P P, 20 41 34.9 +1.4, MKAR, Makanchi Array, 49.46 322 P P, 20 41 34.9 +1.4, MKAR, Makanchi Array, 49.46 322 P P, 20 41 34.9 +1.4, MKAZ, Makanchi, 49.66 321 P P, 20 42 55.4 0.0, 20 41 36.5 +1.6, MAZK, Makanchi, 49.66 321 P P, 20 42 56.2 +0.1, 20 41 36.7 +0.8, PDGK, Podgornoye, 49.76 316 P P, 20 41 37.6 +0.1, ARMA, Armidale, 49.95 150 P P, 20 41 50.1 +0.7, NRN, Naryn, 51.51 313 P P, 20 41 51.9, IAMB, IAMB, comp=Z, 1.1nm, 1.2s, NIL, Nilore, 51.72 303 P P, 20 41 50.7 -0.1, ZAAO, Zalesovo Array, 51.89 331 P P, 20 41 52.0 +0.3, 20 41 53.0, ZAAO, Zalesovo Array, 51.89 331 P P, 20 41 52.0 +0.4, comp=Z, 2.8nm, 0.5s, baz=115, slow=9.0, SNR=16, 51.89 331 P P, 20 41 51.6 0.0, ZALV, Zalesovo Beam, 51.89 331 P P, 20 41 51.6 0.0, 51.89 331 P P, 20 41 51.6 0.0, ZALV, Zalesovo Beam, 51.89 331 P P, 20 41 51.6 0.0, 51.89 331 P P, 20 41 51.6 0.0, KURK, Kurchatov, 53.44 325 P P, 20 42 03.5 +0.4, KURB, Kurchatov Arra, 53.45 324 P P, 20 42 04.3 +1.2, comp=Z, 12nm, 0.8s, baz=121, slow=7.6, SNR=73, 53.45 324 P P, 20 42 14.5 +0.1, BTK, Batken, 54.93 310 P P, 20 42 16.3, IAMB, IAMB, comp=Z, 6.4nm, 1.4s, KBL, Kabul, 55.31 303 P P, 20 42 16.9 -0.4, KBL, Kabul, 55.31 303 P P, 20 42 18.8, IAMB, IAMB, comp=Z, 6.2nm, 0.7s, KK31, Karatay Array, 55.89 313 P P, 20 42 22.0 +0.9, 20 42 23.0, KK31, Karatay Array, 55.89 313 P P, 20 42 23.0, comp=Z, 6.8nm, 1.1s, KKAR, Karatay Array, 55.89 313 P P, 20 42 21.4 +0.3, 20 43 19.6 0.0, KKAR, Karatay Array, 55.89 313 P P, 20 43 19.6 0.0, TIXI, Tikisi, 58.54 1 P P, 20 42 39.1 -0.2, 20 42 40.4, TIXI, Tikisi, 58.54 1 P P, 20 42 40.4, IAMB, IAMB, comp=Z, 9.2nm, 1.4s, BVAR, Borovoye Array, 59.04 325 P P, 20 42 44.1 +1.0, 20 42 45.5, BVAR, Borovoye Array, 59.04 325 P P, 20 42 44.1 +1.0, comp=Z, 6.8nm, 0.7s, baz=120, slow=9.0, SNR=11, 59.04 325 P P, 20 42 44.1 +1.0, BORK, Borovoye, 59.08 325 P P, 20 42 44.0 +0.6, IAMB, IAMB, 20 42 45.5, BORK, Borovoye, 59.08 325 P P, 20 42 45.5, IAMB, IAMB

Table with columns: NRK, Nori'sk, 61.14 346 P P, 20 42 55.9 -1.3, 20 42 55.9 -1.3, AB31, Akbulak array, 64.39 319 P P, 20 43 19.5 +0.3, 20 43 20.6, AB31, Akbulak array, 64.39 319 P P, 20 43 19.5 +0.3, 66.16 292 P P, 20 43 15.1 +0.2, 20 44 15.1, UOSS, comp=Z, 5.3nm, 1.1s, IAMB, IAMB, ARTI, Arti, 66.66 326 P P, 20 43 33.4 -0.3, H17K, Granite Mounta, 71.60 26 P P, 20 44 04.5 +0.3, J17K, VABM Dome, 71.75 27 P P, 20 44 05.9 +0.8, GOMH, Homos Raker, 72.25 25 P P, 20 44 08.9 +0.5, BELG, Belgomonye, 74.62 321 P P, 20 44 09.5 0.0, comp=Z, 7.0nm, 0.7s, baz=190, slow=6.6, SNR=5.2, 74.62 321 P P, 20 44 09.5 0.0, L18K, Granite Mounta, 72.72 29 P P, 20 44 11.8 +0.9, 20 44 22.0, L18K, Granite Mounta, 72.72 29 P P, 20 44 11.8 +0.9, E19K, Redstone River, 73.02 23 P P, 20 44 14.1 +1.4, E19K, Redstone River, 73.02 23 P P, 20 44 17.4, H19K, Roundabout Mou, 73.12 25 P P, 20 44 14.5 +1.2, H19K, Roundabout Mou, 73.12 25 P P, 20 44 50.0, comp=Z, 1.1nm, 1.4s, IMAR, Indian Mounta, 74.27 25 P P, 20 44 21.2 +1.2, G21K, Allakaket, 74.39 24 P P, 20 44 23.3 +1.5, G21K, Allakaket, 74.39 24 P P, 20 44 23.3 +1.5, comp=Z, 9.0nm, 1.0s, H21K, Melozitna River, 74.64 25 P P, 20 44 23.9 +1.7, H21K, Melozitna River, 74.64 25 P P, 20 44 23.9 +1.7, comp=Z, 4.2nm, 1.0s, GNI, Garni, 74.81 308 P P, 20 44 23.6 -0.3, 20 44 23.6 -0.3, GNI, Garni, 74.81 308 P P, 20 44 23.6 -0.3, comp=Z, 5.8nm, 1.0s, baz=219, slow=9.1, SNR=3.3, 74.81 308 P P, 20 44 23.6 -0.3, GNI, Garni, 74.81 308 P P, 20 44 23.6 -0.3, comp=Z, 1.3nm, 1.3s, D22K, Ayikyak River, 74.83 22 P P, 20 44 24.6 +1.3, D23K, Nanushuk River, 75.56 22 P P, 20 44 29.4 +1.9, KBZ, Khabaz, 75.92 172 P P, 20 44 30.1 +0.2, comp=Z, 2.6nm, 0.9s, baz=312, slow=1.7, SNR=5.1, 75.92 172 P P, 20 44 30.1 +0.2, RAYN, Ar Rayn, 76.02 291 P P, 20 44 31.0 -0.1, 20 44 32.3, RAYN, Ar Rayn, 76.02 291 P P, 20 44 31.0 -0.1, comp=Z, 6.2nm, 0.7s, F24K, Squaw Lake, 76.61 23 P P, 20 44 34.6 +1.1, 20 44 41.0, F24K, Squaw Lake, 76.61 23 P P, 20 44 41.0, comp=Z, 5.5nm, 1.1s, D25K, Kavik River, 77.10 21 P P, 20 44 37.4 +1.1, 20 44 38.4, D25K, Kavik River, 77.10 21 P P, 20 44 38.4, IAMB, IAMB, comp=Z, 7.2nm, 0.8s, ILAR, Eielson Array, 77.14 26 P P, 20 44 36.0 -0.5, 20 44 36.0 -0.5, ILAR, Eielson Array, 77.14 26 P P, 20 44 36.0 -0.5, comp=Z, 0.4nm, 0.6s, baz=234, slow=5.5, SNR=4.7, 77.14 26 P P, 20 44 36.0 -0.5, C26K, Camden Bay, 77.58 21 P P, 20 44 39.8 +1.0, C26K, Camden Bay, 77.58 21 P P, 20 44 41.4, C27K, Jago River, 78.02 21 P P, 20 44 41.9 +0.6, 20 44 44.0, C27K, Jago River, 78.02 21 P P, 20 44 41.9 +0.6, comp=Z, 3.2nm, 0.8s, KOPT, Kop Dagj, 78.06 309 P P, 20 44 41.7 -0.8, 20 45 21.7, KOPT, Kop Dagj, 78.06 309 P P, 20 44 41.7 -0.8, comp=Z, 1.0nm, 1.2s, D27M, Malcolm River, 79.02 21 P P, 20 44 47.5 +0.5, 20 44 49.5, D27M, Malcolm River, 79.02 21 P P, 20 44 49.5, IAMB, IAMB, comp=Z, 5.1nm, 0.8s, E28M, Babbage River, 79.63 22 P P, 20 44 50.8 +0.6, ARCES, ARCESS Array B, 81.36 340 P P, 20 44 59.8 0.0, 20 44 59.8 0.0, ARCES, ARCESS Array B, 81.36 340 P P, 20 44 59.8 0.0, comp=Z, 0.3nm, 0.6s, baz=73, slow=6.3, SNR=17, 81.36 340 P P, 20 44 59.8 0.0, ARCES, ARCESS Array B, 81.36 340 P P, 20 44 59.8 0.0, comp=Z, 1.4nm, 0.5s, FIAI, FINESS Array S, 83.14 332 P P, 20 45 08.8 -0.1, 20 45 08.8 -0.1, FIAI, FINESS Array S, 83.14 332 P P, 20 45 08.8 -0.1, FINES, FINESS Array B, 83.14 332 P P, 20 45 09.2 +0.2, comp=Z, 1.4nm, 0.5s, baz=60, slow=5.6, SNR=15, 83.14 332 P P, 20 45 09.2 +0.2, FINES, FINESS Array B, 83.14 332 P P, 20 45 09.2 +0.2, comp=Z, 1.4nm, 0.5s, BRTR, Keskin Array B, 83.14 332 P P, 20 45 10.3 -0.2, 20 45 10.3 -0.2, BRTR, Keskin Array B, 83.14 332 P P, 20 45 10.3 -0.2, comp=Z, 0.8nm, 0.8s, baz=100, slow=8.1, SNR=2.7, 83.14 332 P P, 20 45 10.3 -0.2, BRTR, Keskin Array B, 83.14 332 P P, 20 45 10.3 -0.2, AKASC, Malin Array B, 84.03 321 P P, 20 45 09.9 -0.6, 20 45 14.2 +0.5, AKASC, Malin Array B, 84.03 321 P P, 20 45 09.9 -0.6, comp=Z, 0.1nm, 0.3s, baz=64, slow=6.5, SNR=5.1, 84.03 321 P P, 20 45 09.9 -0.6, CSS, Mathiatis, 84.53 304 P P, 20 45 16.7 +0.1, BURAR, Bucovina Array, 87.37 318 P P, 20 45 30.2 -0.3, HFS, Hagfors, 89.29 332 P P, 20 45 38.0 -1.2, comp=Z, 0.5nm, 0.9s, baz=66, slow=5.0, SNR=4.0, 89.29 332 P P, 20 45 38.0 -1.2, VANDA, Vanda, 92.80 173 P P, 20 45 55.4 +0.4, 20 45 55.4 +0.4, VANDA, Vanda, 92.80 173 P P, 20 45 55.4 +0.4, comp=Z, 0.8nm, 0.7s, baz=352, slow=4.0, SNR=7.6, 92.80 173 P P, 20 45 55.4 +0.4, VANDA, Vanda, 92.80 173 P P, 20 45 55.4 +0.4, comp=Z, 0.8nm, 0.7s, PLCA, Paso Flores, 149.01 156 PKP P, 20 52 32.6 -0.3, 20 52 32.6 -0.3, PLCA, Paso Flores, 149.01 156 PKP P, 20 52 32.6 -0.3, comp=Z, 2.1nm, 0.8s, baz=153, slow=1.5, SNR=4.8

AFAD 30 20:33:08.8, 37.93°N, 26.97°E, h9km, 3km, ML2.3  
ISK 30 20:33:08.7, 37.94°N, 26.95°E, h12km, ML2.4/17,  
Dodecanese Islands

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time, Res, DGB, zmir, 0.12 335 P S, 20 33 14.4 +0.3, 20 33 12.9 -0.4, GMLD, Gumludur, 0.14 349 Pn

30d 20h

Table with columns: CAMT, Merkez, 0.86 19, P, Pn, 20 33 26.5 -0.1, 20 33 37.3 +0.3, 20 33 40.0, CAMT, comp=E, 149nm, 0.7s, IAML, 20 33 42.0, CAMT, comp=N, 128nm, 0.4s, MLSE, Milas, 0.92 134, P, Pn, 20 33 26.9 +0.3, BODT, Bodrum, 0.92 162, P, Pn, 20 33 26.6 -0.1, BDRM, Kayabasi, 0.96 156, P, Pn, 20 33 27.3 0.0, ZEDA, zmir-Bergama, 1.03 6, P, Pn, 20 33 28.8 -0.2, ZEDA, 20 33 41.9 -0.1, ZEDA, comp=E, 75nm, 0.8s, IAML, 20 34 11.0, ZEDA, 20 34 12.0, NAZL, Nazilli-Aydin, 1.06 88, P, Pn, 20 33 29.8 +0.3, NAZL, 20 33 29.6 -0.1, GOMA, GOMarmara-Man, 1.08 45, P, Pn, 20 33 29.6 -0.1, GOMA, Dikili, 1.13 358, P, Pn, 20 33 30.7 +0.3, AKS, Akhisar, 1.16 36, P, Pn, 20 33 31.2 +0.2, AKS, Soma-Manisa, 1.30 21, P, Pn, 20 33 33.3 +0.2, SOMA, Soma-Manisa, 1.37 45, P, Pn, 20 33 34.2 -0.1, GORD, 20 33 34.2 -0.1

ISC 30 20:35:22.6/0.7, 37:76N;26:44E, h0km, mb3.7/9, mbmp3.7/15, ML3.5/4, MS3.4/5, Error ellipse: s-maj=11.7km s-min=11.5km az=90, ISK 30 20:35:24.6, 37:78N;26:50E, h7km, ML4.1/38, ATH 30 20:35:24.2, 37:80N;26:50E, h12km, 2km, ML3.9/55, Latitude uncertainty: 1 km; Longitude uncertainty: 1 km, AFAD 30 20:35:24.1, 37:80N;26:54E, h18km, 2km, MW4.1, THE 30 20:35:25.7, 38°N;1°27E, h0km, 2km, M4.2/7, MLh4.2/7, GII 30 20:35:30.7, 37:39N;0:00E;26:65E;0:00I, h0km, Mws4.0, confirmed, SOF 30 20:35:36.8, 38°N;0:26;36E;0:06, h13km, 15km, MD3.6/10, ISC 30 20:35:24.7, 0.8, 37:82N;0:01;26:55E;0:02, h19km, 2km, n236, e1944/299, mb3.7/7, MS3.5/4, 14C-16D, Docadecese Islands

Table with columns: Code, Station Name, A°, AZ°, Phase, ID, ISC, Time, Res, h, m, s, ISC, KRL1, Karlovasi Samo, 0.12 100, P, Pn, 20 35 28.1 -0.6, KRL1, 20 35 30.5 -0.9, DGB, zmir, 0.35 48, P, Pn, 20 35 32.5 0.0, DGB, 20 35 37.4 -0.3, GMLD, Gumuldur, 0.39 48, P, Pn, 20 35 33.2 +0.2, GMLD, 20 35 39.5 +0.8, ZEYD, Izmir, Urla-Ze, 0.42 355, P, Pn, 20 35 32.7 -0.8, ZEYD, 20 35 37.1 -2.2, BEYE, izmir, 0.51 36, P, Pn, 20 35 35.0 0.0, BEYE, 20 35 39.6 -2.2, CESE, eme, 0.55 339, P, Pn, 20 35 35.5 -0.2, CESE, G?zelcam?, 0.55 102, P, Pn, 20 35 35.9 +0.2, GCAM, G?zelcam?, 0.55 102, P, Pn, 20 35 35.9 +0.2, GCAM, Kusanadasi-Aydin, 0.58 85, P, Pn, 20 35 35.4 -0.4, KUSD, 20 35 46.1 -0.9, DDIM, Aydin, Didim, 0.65 123, P, Pn, 20 35 37.5 -0.2, DDIM, 20 35 45.8 -0.6, BLBC, Balcova, 0.69 34, P, Pn, 20 35 39.4 0.0, BLBC, Balcova, 0.69 34, P, Pn, 20 35 38.7 +0.6, CHOS, Chios island, 0.69 326, P, Pn, 20 35 38.6 +0.4, CHOS, Chios island, 0.69 326, P, Pn, 20 35 48.9 +1.5, CHOS, Chios island, 0.69 326, P, Pn, 20 35 39.0 +0.8, CHOS, Chios island, 0.69 326, P, Pn, 20 35 49.2 -0.6, CHOS, Chios island, 0.69 326, P, Pn, 20 35 38.8 +0.6, CHOS, Chios island, 0.69 326, P, Pn, 20 35 47.9 +0.5, DIDI, Didim-Aydin, 0.70 129, P, Pn, 20 35 38.8 +0.5, DIDI, 20 35 49.0 +1.5, KRBN, Karaburun, 0.78 0, P, Pn, 20 35 39.5 -0.4, KRBN, 20 35 52.9 +1.1, ERAG, Marmaro, Chios, 0.81 334, P, Pn, 20 35 40.1 0.0, ERAG, 20 35 50.5 -0.7, DUVT, Torbali, 0.81 60, P, Pn, 20 35 40.6 +0.4, KARB, zmir-Karabur, 0.85 353, P, Pn, 20 35 40.6 -0.3, KARB, 20 35 52.5 -0.2, Foa, 0.87 16, P, Pn, 20 35 41.3 +0.1, BAGT, Yalikavak-BoDr, 0.90 140, P, Pn, 20 35 53.6 +0.4, YKAV, 20 35 42.3 +0.1, YKAV, 20 35 55.5 +0.6, FOCM, Foa, 0.91 9, P, Pn, 20 35 42.8 +0.4, FOCM, 20 35 57.0 +2.0, KLYA, Kalymnos, 0.92 159, P, Pn, 20 35 42.2 +0.1, BODT, Bodrum, 0.96 141, P, Pn, 20 35 44.2 +0.9, BODT, 20 35 55.6 +0.3, BODT, Bodrum, 0.96 141, P, Pn, 20 35 44.0 +0.1, BODT, 20 35 57.7 +0.6, DAGE, izmir, 0.97 78, P, Pn, 20 35 44.2 +0.9, DAGE, 20 35 55.6 +0.3, BDRM, Kayabasi, 1.03 136, P, Pn, 20 35 44.0 +0.1, BDRM, 20 35 57.7 +0.6, BODA, Bodrum-Mula, 1.05 138, P, Pn, 20 35 45.1 +0.1, BODA, 20 35 59.6 +1.1, AYDN, Tasoluk, 1.06 98, P, Pn, 20 35 44.3 +0.2, AYDN, 20 35 58.4 +0.3, AYDB, Zeytin koy-Aydi, 1.07 83, P, Pn, 20 35 46.3 +0.9, MLSE, Milas, 1.10 118, P, Pn, 20 35 46.5 +0.4, CAMT, Merkez, 1.11 33, P, Pn, 20 35 48.8 -0.4, CAMT, Tinos, 1.14 256, P, Pn, 20 36 01.1 +1.2, ZNSA, zmir-demi, 1.15 73, P, Pn, 20 35 46.7 -0.3, NAXI, Naxos Island, 1.18 233, P, Pn, 20 35 47.4 +1.0, ZEDA, zmir-Bergama, 1.22 20, P, Pn, 20 35 46.7 -0.1, ZEDA, 20 36 03.4 +0.7, ASTA, Astypalaia, 1.28 187, P, Pn, 20 35 48.3 +0.8, DKL, Dikili, 1.28 12, P, Pn, 20 35 48.8 +0.5, YAZI, Mula-Dat§a-, 1.34 147, P, Pn, 20 35 49.0 +0.6, DAT, Dataca, 1.36 143, P, Pn, 20 35 50.2 +0.4, DAT, 20 35 50.4 +0.8, DAT, 20 35 50.6 +1.0, DAT, 20 36 10.8 +2.1, DAT, 20 35 51.3 +0.3, DAT, 20 35 52.0 +0.4, NAZL, Nazilli-Aydin, 1.38 83, P, Pn, 20 35 50.4 +0.4, GOMA, GOMarmara-Man, 1.40 50, P, Pn, 20 35 51.9 +0.3, AYDN, Nazilli, 1.42 90, P, Pn, 20 35 50.0 +0.5, ERSE, Paraskevi, 1.44 351, P, Pn, 20 35 52.5 0.0, PRK, 20 36 12.6 +1.3, PRK, Paraskevi, 1.44 351, P, Pn, 20 35 51.1 +0.1

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Table with columns: AKS, Akhisar, 1.45 43, Pn, P, 20 35 52.7 0.0, AKS, 20 35 52.1 -0.6, AKS, 20 36 10.0 +0.8, AKS, 20 35 52.5 +0.6, AKS, 20 36 13.1 +0.1, AKS, 20 35 53.4 -0.1, AKS, 20 36 10.0 +0.5, AKS, 20 35 53.5 -0.3, AKS, 20 35 51.9 +0.4, AKS, 20 36 11.4 +0.3, AKS, 20 35 53.1 +0.5, SOMA, Soma-Manisa, 1.54 30, Pn, P, 20 35 53.9 -0.5, SOMA, 20 35 54.9 +0.9, SOMA, 20 35 55.1 +0.2, SOMA, 20 35 52.5 +0.2, SOMA, 20 35 52.5 0.0, SOMA, 20 35 56.1 -0.5, SOMA, 20 36 18.8 +0.6, SOMA, 20 35 55.8 +0.8, SOMA, 20 35 55.5 +0.4, SOMA, 20 36 19.8 +0.8, SOMA, 20 35 54.6 +1.5, SOMA, 20 35 52.7 -0.5, SOMA, 20 35 55.6 +0.2, SOMA, 20 35 53.0 -0.6, SOMA, 20 35 58.1 +1.3, SOMA, 20 35 57.4 -0.3, SOMA, 20 35 52.5 -0.5, SOMA, 20 35 58.0 -0.7, SOMA, 20 35 59.2 -0.2, SOMA, 20 36 29.9 +1.4, SOMA, 20 35 58.1 +0.4, SOMA, 20 35 59.1 -1.1, SOMA, 20 36 21.4 +0.7, SOMA, 20 35 57.0 +1.0, SOMA, 20 36 26.7 +0.5, SOMA, 20 35 59.9 +0.9, SOMA, 20 35 56.1 -0.3, SOMA, 20 35 59.1 -0.4, SOMA, 20 35 59.0 +1.7, SOMA, 20 35 57.2 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Table with 5 columns: MA2, Magadan, 72.61 26 LR, LR, 21 25 12.2; MDP, Montagnes des, 78.36 267 LR, LR, 21 21 20.9

ISK 30 20:38:55.7, 37.83N, 26.95E, h16km, ML3.4/13
THE 30 20:38:55.9, 38.1N, 9.2.7E, h8km, 12km, M3.0/5,
MLh3.0/5
AFAD 30 20:38:55.5, 37.81N, 26.92E, h6km, 1km, ML3.0
ATH 30 20:38:56.9, 37.76N, 26.86E, h12km, 1km, ML3.3/6,
Latitude uncertainty: 1 km; Longitude uncertainty: 2 km
ISC 30 20:38:55.8-0.8, 37.82N, 0.02, 26.94E, 0.02, h15km, 6km,

Main table for 1793 containing station data for Dodecanese Islands, including stations like KRL1, DGB, GMLD, AYVA, PRK, HARTU, etc.

Table for 2020 OCT containing station data for Turkey, including stations like SULTU, TURUN, AYVA, PRK, HARTU, etc.

BKK 30 20:49:43.2, 0.4, 20.1N, 4.9.7E, h4km, M3.9/13,
Mjma3.7/13, ML4.1/11, MLv3.9/12
ISC 30 20:49:45.6, 1.3, 20.28N, 0.09, 97.0E, 0.1, h10km, n8,

Table for 2020 OCT containing station data for Myanmar, including stations like CMAI, MHMT, CHTO, etc.

THE 30 20:54:55.7, 38.1N, 47.2.6E, 3.9, h15km, 23km, M2.7/4,
MLh2.7/4
AFAD 30 20:54:55.2, 37.86N, 26.44E, h7km, 2km, ML1.9,

Table for 2020 OCT containing station data for Dodecanese Islands, including stations like ZEYE, DGB, GMLD, etc.

Table for 30d 21h containing station data for Soma-Manisa, including stations like SOMA, ZEYE, DGB, etc.

IDC 30 21:15:57.1, 2.9, 8.05S, 159.60E, h50km, 27km, mb3.7/7,
mbjpa4.1/10, ML4.0/3, MSJ3.7, Error ellipse:
NAI=21.9km S-min=21.5km Z=58.0

Table for 30d 21h containing station data for Indonesia, including stations like TATA, ALEG, SAVO, HNR, etc.



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ZEDA, NAZL, ESEN, GOMA, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LATG, NDT, ENIT, NDS, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YMO8, ESO2, WUSB, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IRIF, JISG, IJSH, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AFAD, DGB, GCAM, etc.

NNC 30 21:40:47.5:3.5, 41:85N:80:50E, h9km, 21km, mb3.0, mpv2.7, Error ellipse: s-maj=35.5km s-min=22.7km az=93.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SHLS, PRZ, PDGK, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MWS3.3, DGB, KRL1, etc.





1797

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TAVA DENIZLI Tavas, CMBO Columbo, THR2 Thira island, etc.

Table for TRN 30 21:52:03.4, 107°55N-59°77W, h49km, MD3.9, East of Trinidad, North Atlantic Ocean. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res.

Table for AFAD 30 22:06:39.8, 37°92N-26°92E, h7km, 3km, ML1.7, Dodecanese Islands. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res.

Table for ISK 30 22:12:58.6, 37°83N-26°90E, h8km, ML3.2/17. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res.

2020 OCT

Main table for 2020 OCT observations. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ZEYE, DUVT Torbali, BLCB Balcova, etc.

Table for AFAD 30 22:18:26.2, 37°93N-26°06E, h7km, 2km, ML2.9. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res.

Table for 30d 22h observations. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KARB, BLCB Balcova, FOCM Foa, etc.

AFAD 30 22:20:00.3, 37°75N-26°83E, h7km, 2km, ML2.5. ISK 30 22:20:02.9, 37°89N-27°01E, h5km, ML2.8/17. ISK 30 22:20:01.7, 1.2, 37.82N-0.04-26.89E, 0.05, h12km, gkm, n22, c085/29, Dodecanese Islands

Table for Dodecanese Islands observations. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DGB zmir, DGB, GEM, etc.

ISK 30 22:24:10.3, 37°88N-26°92E, h5km, ML3.1/14. AFAD 30 22:24:10.9, 37°89N-26°89E, h7km, 3km, ML2.8. THE 30 22:24:11.3, 38°N-2°27E, h9km, 4km, M2.8/13, ML2.8/13

Table for Dodecanese Islands observations (continued). Columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DGB zmir, DGB, DGB, etc.





30d 22h

Table of seismic events with columns for station name, magnitude, depth, and time. Includes stations like FIAO, FINES, FJOF, MEF, EKA, etc.

2020 OCT

Table of seismic events for October 2020, including stations like ABTA, SOKA, OBKA, etc. Includes a section for 'BER 30 22:44:55.72.0, 71.31N, 4.26W, h10km, Confirmed Earthquake, Jan Mayen Island region'.

1800

Table of seismic events for 1800, including stations like CHOS, SOKA, OBKA, etc. Includes a section for 'KOLA 30 22:47:39.4, 78.76N, 7.30E, h0km, ML2.4, Greenland sea, Knipovich ridge, north'.

KUSD	Kusadasi-Aydin	0.42	85	Pg	Pg	22 53 00.0	0.0	MILOS	Milos	2.15	241	P	Pn	22 53 56.9	-0.8	comp=Z,14nm,0.6s	MARCO	Tramutola	8.87	290	P	Pn	22 55 32.1	+2.1	
KUSD				Sg	Sg	22 53 36.7	+1.1	MILOS				AML	AML				comp=Z,24nm,1.3s	ACER	Mount	8.89	293	P	Pn	22 55 30.9	+0.7
KUSD				AML	AML			MHLO	Agia Marina, M	2.20	240	P	Pn	22 53 58.4	+0.1		MMLI	Mount Malkishu	9.80	125	P	S	22 55 43.1	+1.0	
BEVE	izmir	0.42	18	P	Pg	22 53 29.5	-0.6	KYMI	Kymi, Euboea I	2.25	292	P	Pn	22 53 58.8	-0.2		MMLI		8.89	125	P	S	22 57 06.8	-3.8	
ZEVE	Izmir, Urfi-Ze	0.46	334	S	Sg	22 53 35.1	+0.6	KYMI	Kymi, Euboea I	2.25	292	P	Pn	22 53 58.8	-0.2		GRNJ	Al-Qirein	9.06	125	P	Pn	22 55 35.3	+2.8	
ZEVE				S	Sg	22 53 36.3	-0.6	DION	Dionisos Attik	2.25	277	P	Pn	22 53 58.3	-0.7		ARPR	Arapji-MALATY	9.17	79	Pn	Pn	22 55 36.2	+0.1	
DDIM	Aydin, Didim	0.53	134	S	Sg	22 53 32.4	+0.3	DION	Dionisos Attik	2.25	277	P	Pn	22 53 58.4	-0.6		UJAP	Al-Ja	9.24	127	P	Pn	22 55 38.2	+3.2	
DDIM				S	Sg	22 53 39.9	+0.8	KARP	Karpathos	2.30	172	P	Pn	22 53 59.9	+0.2		KZIT	Kziot	9.35	135	P	Pn	22 55 35.9	-0.6	
DIDI	Didim-Aydin	0.59	140	Pg	Pg	22 53 32.9	-0.3	KARP	Karpathos	2.30	172	P	Pn	22 53 59.9	+0.2		KZIT	Kziot	9.35	135	P	Pn	22 55 35.7	-0.8	
DIDI				AML	AML			KARP	Karpathos	2.30	172	P	Pn	22 53 59.9	+0.2		KZIT	Kziot	9.35	135	P	Pn	22 55 35.3	-1.3	
BLBC	Balcova	0.60	22	Pg	Pg	22 53 33.2	-0.3	KARP	Karpathos	2.30	172	P	Pn	22 53 59.9	+0.2		MSBI	Mazada	9.61	130	P	S	22 57 16.3	-5.4	
BLBC				Sg	Sg	22 53 41.7	+0.3	KARP	Karpathos	2.30	172	P	Pn	22 53 59.9	+0.2		MSBI						22 55 38.6	-1.5	
BLBC	Balcova	0.60	22	P	Sg	22 53 33.0	-0.5	KARP	Karpathos	2.30	172	P	Pn	22 53 59.9	+0.2		GHAJ	Ghor Haditha	9.75	129	Pn	Pn	22 57 24.1	-3.9	
BLBC				S	Sg	22 53 41.5	+0.1	KARP	Karpathos	2.30	172	P	Pn	22 53 59.9	+0.2		GHAJ	Ghor Haditha	9.75	129	Pn	Pn	22 55 40.6	-1.3	
BLBC				AML	AML			KARP	Karpathos	2.30	172	P	Pn	22 53 59.9	+0.2		RMNI	Mount Ramon	9.79	135	P	S	22 57 26.5	-4.9	
BLBC				AML	AML			KARP	Karpathos	2.30	172	P	Pn	22 53 59.9	+0.2		RMNI						22 55 40.9	-1.7	
CESE	eme	0.62	324	Pg	Pg	22 53 33.9	0.0	PTL	Peneli	2.30	276	P	Pn	22 53 59.0	-0.7		RMNI						22 57 26.8	-5.7	
CESE				AML	AML			PTL	Peneli	2.30	276	P	Pn	22 53 59.0	-0.7		RMNI						22 55 43.7	+0.1	
DUVT	Torbali	0.67	54	P	Pg	22 53 34.1	-0.7	PTL	Peneli	2.30	276	P	Pn	22 53 59.0	-0.7		RMNI						22 55 43.7	+0.1	
DUVT				S	Sg	22 53 44.0	+0.4	VLY	Voula, Athens	2.35	272	P	Pn	22 53 59.6	-0.7		RMNI						22 55 40.6	-1.3	
DUVT				S	Sg	22 53 44.0	+0.4	VLY	Voula, Athens	2.35	272	P	Pn	22 53 59.6	-0.7		RMNI						22 55 40.6	-1.3	
KRBN	Karaburun	0.78	348	Pg	Pg	22 53 35.9	-1.0	ATHU	Athens Unvers	2.36	274	P	Pn	22 53 59.8	-0.8		RMNI						22 57 26.8	-5.7	
KRBN				AML	AML			ATHU	Athens Unvers	2.36	274	P	Pn	22 53 59.8	-0.8		RMNI						22 55 43.7	+0.1	
CHOS	Chios island	0.79	315	Pg	Pg	22 53 36.8	-0.3	ATHU	Athens Unvers	2.36	274	P	Pn	22 53 59.8	-0.8		RMNI						22 55 43.7	+0.1	
CHOS				Sg	Sb	22 53 48.3	-0.1	ATHS	Athens Parham	2.40	274	P	Pn	22 53 59.5	-1.5		RMNI						22 55 43.7	+0.1	
CHOS	Chios island	0.79	315	P	Pg	22 53 36.8	-0.3	ACHAR	Athens-Acharne	2.40	277	P	Pn	22 54 00.7	-0.3		RMNI						22 55 43.7	+0.1	
CHOS				AML	AML			ACHAR	Athens-Acharne	2.40	277	P	Pn	22 54 00.7	-0.3		RMNI						22 55 43.7	+0.1	
CHOS	Chios island	0.79	315	P	Pg	22 53 37.7	+0.1	LJA	Limnos Island	2.41	330	P	Pn	22 54 00.7	-0.4		RMNI						22 55 43.7	+0.1	
CHOS				AML	AML			LJA	Limnos Island	2.41	330	P	Pn	22 54 00.7	-0.4		RMNI						22 55 43.7	+0.1	
CHOS	Chios island	0.79	315	P	Pb	22 53 37.4	+0.3	NOAC	Athens-Thissio	2.41	270	P	Pn	22 54 00.6	-0.6		RMNI						22 55 43.7	+0.1	
CHOS				Sb	Sb	22 53 47.5	-0.8	ATH	Athens Observa	2.41	274	P	Pn	22 54 00.8	-0.4		RMNI						22 55 43.7	+0.1	
CHOS				AML	AML			ATH	Athens Observa	2.41	274	P	Pn	22 54 00.8	-0.4		RMNI						22 55 43.7	+0.1	
DAGE	izmir	0.80	77	Pg	Pg	22 53 36.6	-0.7	ATH	Athens Observa	2.41	274	P	Pn	22 54 00.9	-0.4		RMNI						22 55 43.7	+0.1	
DAGE				Sg	Sg	22 53 37.5	0.0	ATH	Athens Observa	2.41	274	P	Pn	22 54 00.9	-0.4		RMNI						22 55 43.7	+0.1	
YKAV	Yalikavak-Bodr	0.81	149	Pg	Pg	22 53 37.5	0.0	GAD	Givgeada	2.46	344	P	Pn	22 54 01.4	-0.4		RMNI						22 55 43.7	+0.1	
YKAV				Sg	Sb	22 53 49.1	+0.2	STFN	Stefani	2.57	279	P	Pn	22 54 02.4	-1.0		RMNI						22 55 43.7	+0.1	
YKAV				AML	AML			ELL	Elmali	2.73	112	P	Pn	22 54 06.0	-0.7		RMNI						22 55 43.7	+0.1	
BAGT	Foa	0.83	5	P	Pg	22 53 37.3	-0.5	ELL	Elmali	2.73	112	P	Pn	22 54 06.0	-0.7		RMNI						22 55 43.7	+0.1	
BAGT				S	Sg	22 53 49.2	-0.3	ZKR	Zakros	2.74	189	P	Pn	22 54 07.3	+1.5		RMNI						22 55 43.7	+0.1	
BODT	Bodrum	0.88	150	Pg	Pg	22 53 38.8	0.0	ZKR	Zakros	2.74	189	P	Pn	22 54 07.3	+1.5		RMNI						22 55 43.7	+0.1	
BODT				AML	AML			ZKR	Zakros	2.74	189	P	Pn	22 54 07.3	+1.5		RMNI						22 55 43.7	+0.1	
BODT				S	Sb	22 53 38.2	-0.5	ZKR	Zakros	2.74	189	P	Pn	22 54 07.3	+1.5		RMNI						22 55 43.7	+0.1	
BODT				S	Sb	22 53 51.0	+0.2	ZKR	Zakros	2.74	189	P	Pn	22 54 07.3	+1.5		RMNI						22 55 43.7	+0.1	
BODT				AML	AML			ZKR	Zakros	2.74	189	P	Pn	22 54 07.3	+1.5		RMNI						22 55 43.7	+0.1	
KARB	zmir-Karabur	0.88	342	P	Pg	22 53 37.7	-1.1	AKAS	Kas	2.78	124	P	Pn	22 54 08.3	+1.9		RMNI						22 55 43.7	+0.1	
KARB				S	Pg	22 53 49.8	-0.4	AKAS	Kas	2.78	124	P	Pn	22 54 10.5	-1.0		RMNI						22 55 43.7	+0.1	
EAGZ	Marmaro, Chios	0.88	324	P	Pg	22 53 37.9	-0.9	IDI	Idi	2.95	211	P	Pn	22 54 09.8	+1.2		RMNI						22 55 43.7	+0.1	
EAGZ				S	Sb	22 53 50.8	-0.1	ANO	Anoyia	2.95	211	P	Pn	22 54 11.2	+2.5		RMNI						22 55 43.7	+0.1	
ISPA	Kalymnos	0.88	169	S	Sg	22 53 38.1	-0.7	ISP	Isparta	2.98	89	Pn	Pn	22 54 10.0	+0.9		RMNI						22 55 43.7	+0.1	
ISPA				S	Sg	22 53 50.3	-0.1	ISP	Isparta	2.98	89	Pn	Pn	22 54 10.0	+0.9		RMNI						22 55 43.7	+0.1	
ISPA				AML	AML			ATAL	Atalanti	3.07	88	P	Pn	22 54 09.3	-1.0		RMNI						22 55 43.7	+0.1	
ISPA				AML	AML			ATAL	Atalanti	3.07	88	P	Pn	22 54 09.3	-1.0		RMNI						22 55 43.7	+0.1	
FOCM	Foa	0.89	358	Pg	Pg	22 53 38.5	-0.4	ALN	Alexandroupoli	3.12	350	Pn	Pn	22 54 09.5	-1.4		RMNI						22 55 43.7	+0.1	
FOCM				AML	AML			ALN	Alexandroupoli	3.12	350	Pn	Pn	22 54 09.5	-1.4		RMNI						22 55 43.7	+0.1	
AYDB	Zeytinkoy-Aydi	0.90	82	Pg	Pg	22 53 39.4	+0.2	CHAL	Chania	3.17	224	P	Pn	22 54 07.2	-3.7		RMNI						22 55 43.7	+0.1	
AYDB				AML	AML			CHAL	Chania	3.17	224	P	Pn	22 54 07.2	-3.7		RMNI						22 55 43.7	+0.1	
AYDB				AML	AML			CHAL	Chania	3.17	224	P	Pn	22 54 07.2	-3.7		RMNI						22 55 43.7	+0.1	
AYDB				AML	AML			CHAL	Chania	3.17	224	P	Pn	22 54 07.2	-3.7		RMNI						22 55 43.7	+0.1	
AYDN	Tasoluk	0.90	100	Pg	Pg	22 53 39.0	-0.2	YAM	Vamos	3.17	221	P	Pn	22 54 08.8	-2.0		RMNI						22 55 43.7	+0.1	
AYDN				Sg	Sg	22 53 51.2	+0.3	KOR	Korichiti	3.19	300	P	Pn	22 54 10.2	-1.7		RMNI						22 55 43.7	+0.1	
BDRM	Kayabasi	0.93	144	S	Pg	22 53 39.1	-0.7	THAS	Thassos island	3.20	331	P	Pn	22 54 10.6	-0.4		RMNI						22 55 43.7	+0.1	
BDRM				S	Sg	22 53 52.2	+0.2	VLI	Veliati	3.25	251	P	Pn	22 54 10.8	-1.9		RMNI						22 55 43.7	+0.1	
BDRM				S	Sg	22 53 52.2	+0.2	OUR	Ouranopolis	3.31	320	P	Pn	22 54 13.2	-0.4		RMNI						22 55 43.7	+0.1	
BDRM				S	Sg	22 53 39.9	-0.2	ANKY	Antikythira Is	3.40	236	P	Pn	22 54 13.9	-0.8		RMNI						22 55 43.7	+0.1	
BDRM				S	Sg	22 53 40.3	-0.1	YLV	Yalova	3.41	36	P	Pn	22 54 27.9	+0.8		RMNI						22 55 43.7	+0.1	
BDRM				AML	AML			YLV	Yalova	3.41	36	P	Pn	22 54 27.9	+0.8		RMNI						22 55 43.7	+0.1	
MLSE	zmir-demi	0.99	71	P	Pg	22 53 40.1	-0.7	KAVA	Kavala	3.61	332	P	Pn	22 54 17.1	-0.7		RMNI								

30d 22h

Table with columns: HHC, CMAR, KSRS, BUI, MOS, FCIAR, IDC, NAO, INMG, GFZ, NEIC, ISC-PP. Contains station names, coordinates, and seismic event details.

BUI 30 22:56:44.5, 71.160N, 3.30W, h10km, mB5.5/7, mb5.2/75, Ms5.4/72, Ms7.5/172
MOS 30 22:56:45.7, 71.158N, 3.43W, h10km, mb5.5/97, Ms5.2/48, Error ellipse: s-maj=11.6km s-min=3.2km az=100.1

FCIAR 30 22:56:45.0, 71.13N, 5.26W, h10km
IDC 30 22:56:45.6, 0.3, 71.60N, 3.45W, h0km, mb4.9/42, mmlp4.9/50, ML4.8, MS5.0/92, Error ellipse: s-maj=9.1km s-min=6.8km az=22.0
NAO 30 22:56:46.7, 0.4, 71.51N, 3.88W, h10km, ML5.5

NEIC 30 22:56:47.5, 71.52N, 0.01, 3.48W, 0.02, h12km, MW5.6/157, Moment Tensor Solution. s91, c151; s157, c327; Duration: 1s5 Moment tensor: Scale 1017 Nm; Mn=2.50; Ma=1.75; M0=0.75; 0.3; M1=0.56; 0.11; M2=2.00; 0.03; M3=0.30; 0.10; Best double couple: M2: 97600/1017 N1: 228.00000, 3.89.00000, 1.96.00000; N2: 233.88580, 8.51.00000, 1.85.00000; N3: 3.3790, Plg6.0000; Azm142.0000; N -0.9030, Plg4.0000; Azm233.0000; P -2.5371, Plg12.4571; Azm140.3183; N 0.3199, Plg2.6554; Azm49.7312; P -2.8570, Plg7.2541; Azm307.8998;
NEIC 30 22:56:48.1, 71.47N, 3.05W, h18km, Moment Tensor Solution. Duration: 3s3 Moment tensor: Scale 1017 Nm; Mn=3.20; M2=0.03; M3=1.17; M0=1.5; M1=1.77; M2=0.44; Fault plane solution: Ms3.35000/1017 N1: 239.90000, 8.44.28000, 1.78.19000; N2: 233.43.70000, 8.46.89000, 1.101.29000; Principal axes: T 3.4244, Plg1.0000; Azm142.0000; N -0.1532, Plg8.0000; Azm51.0000; P -3.2712, Plg2.0000; Azm241.0000;

PTWC 30 22:56:48.7, 71.60N, 3.18W, h10km, Mw5.7/15, JAN MAYEN ISLAND REGION
BER 30 22:56:49.9, 4.4, 71.60N, 3.79W, h28km, mB5.6, MW5.6(USGS), Confirmed Earthquake
BGR 30 22:56:51.8, 71.14N, 2.94W, h10km, mb5.2, Ms4.7
ISC 30 22:56:46.9, 0.4, 71.53N, 0.03, 3.50W, 0.03, h82km, 2km, h8km, pP-P, n1909, c164/1653, mb5.3/641, MS5.2/392, 7C2-74D, Jan Mayen Island region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s. Lists seismic stations and their characteristics.

2020 OCT

Main table of seismic events for October 2020. Columns include station names (RAUS, JETT, MORH, etc.), coordinates, magnitudes, and event details.

1802

Table of seismic events for station 1802. Columns include station name (HFS, HFS, HFS, etc.), coordinates, magnitudes, and event details.





30d 22h

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like TREC, TREST, RNP9P, etc.

2020 OCT

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like AK19, AK18, AK04, etc.

1804

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like LTVH, BNI, BNI, etc.



30d 22h

D62A	comp=Z,7um,22.0s	IAMS_20	IAMS_20	23 18 19.7
KEMA	Kemalैया comp=Z,3um,21.0s	P	P	23 04 11.9 +1.8
E24K	Your Creek comp=Z,3um,21.0s	IAMS_20	IAMS_20	23 19 57.9
MD01	Midelt array s	P	P	23 04 11.7 +0.5
ARPR	Arapargi-MALATY	IAMS_20	IAMS_20	23 22 00.3
ARPR	comp=Z,3um,19.0s	P	P	23 04 13.4 +2.2
MDT	Midelt comp=Z,2um,comp=Z,100nm,1.2s	LR	LR	23 20 20.4
EPYK	Eagle Plains comp=Z,1um,19.2s,baz=18,slow=36	P	P	23 04 10.9 -0.5
EPYK	comp=Z,89nm,1.6s	IAMS_20	IAMS_20	23 21 09.2
HOMI	Horasan	P	P	23 04 11.7 -0.3
BMAR	Burnt Mountain	P	P	23 04 12.4 +0.5
DIGO	Kars	P	P	23 04 14.1 +1.5
ELL	Elmali comp=Z,6um,comp=Z,519nm,1.1s	P	P	23 04 13.7 +1.2
ELL	comp=Z,47nm,1.3s	P	P	23 04 13.7 +1.2
F24K	Squaw Lake comp=Z,2um,21.0s	IAMS_20	IAMS_20	23 20 43.1
G26K	Porcupine Rive	P	P	23 04 14.4 -0.4
IDI	Anoyia comp=Z,3um,18.3s,baz=33,slow=39	LR	LR	23 22 10.8
KARP	Karpathos comp=Z,4um,18.0s	IAMS_20	IAMS_20	23 22 20.0
PMOZ	Porto Moniz, M	LR	LR	23 15 18.5
PMOZ	comp=Z,2um,20.0s	IAMS_20	IAMS_20	23 17 28.8
GNI	Garni comp=Z,40nm,1.1s,baz=329,slow=27,SNR=26	P	P	23 04 18.5 +0.7
GNI	comp=Z,4um,19.3s,baz=329,slow=37	LR	LR	23 21 12.2
GNI	Garni	P	P	23 04 19.1 +1.3
GNI	Garni	P	P	23 04 19.0 +1.3
GNI	Garni	S	S	23 10 20.1 +0.1
GNI	Garni	S	S	23 04 18.9 +1.1
GNI	comp=Z,174nm,1.3s	P	P	23 04 19.1 +1.3
GNI	Garni	P	P	23 04 19.1 +1.3
GNI	Garni	IAMS_20	IAMS_20	23 21 01.0
GNI	Garni	P	P	23 04 19.3 +1.5
PMAR	Madreira comp=Z,1um,comp=Z,106nm,1.1s	eP	eP	23 04 19.4 +1.4
H27K	Steamboat Moun	IAMS_20	IAMS_20	23 21 42.0
ANDN	Andirin comp=Z,2um,comp=Z,146nm,0.7s	P	P	23 04 20.3 +1.5
ZAA0	Zalesovo Array	P	P	23 04 18.8 +0.2
ZALV	Zalesovo Beam	P	P	23 04 18.8 +0.2
ZALV	comp=Z,9.9nm,1.0s,baz=332,slow=9,2,SNR=8	PP	PP	23 05 49.3 +0.1
ZALV	comp=Z,5.3nm,1.0s,baz=320,slow=14,SNR=4.8	P	P	23 06 23.8 -1.3
ZALV	comp=Z,4.9nm,1.0s,baz=348,slow=3.6,SNR=3.9	P	P	23 04 18.1 -0.4
ZALV	Zalesovo Beam	P	P	23 04 23.6
FYU	Fort Yukon comp=Z,122nm,1.3s	IAMB	IAMB	23 04 23.6
I30M	Mount Dempster	IAMS_20	IAMS_20	23 21 27.3
I29M	Ogilvie Camp	IAMS_20	IAMS_20	23 21 56.4
RDOG	Red Dog Mine	P	P	23 04 21.8 +0.5
RDOG	comp=Z,167nm,1.9s	IAMB	IAMB	23 04 36.0
F21K	Alatna River	P	P	23 04 21.6 -0.2
F21K	comp=Z,3um,22.0s	IAMS_20	IAMS_20	23 19 36.0
I28M	Miner Creek	IAMS_20	IAMS_20	23 23 06.6
E19K	Redstone River	P	P	23 04 23.4 +0.8
G23K	Banana Creek	P	P	23 04 23.4 +0.4
I27K	Kandik River	IAMS_20	IAMS_20	23 21 58.7
PKME	Peaks-Kenny Pk	IAMS_20	IAMS_20	23 18 56.6
GURO	Guroymak-BITLI	P	P	23 04 24.6 +0.8
GAZ	Gaziantep	P	P	23 04 24.3 +0.5
GAZ	comp=Z,22nm,0.8s	IAMB	IAMB	23 04 32.7
F20K	Avaraart Lake	IAMS_20	IAMS_20	23 19 25.3
KURK	Kurchatov	P	P	23 04 26.3 0.0
KURK	Kurchatov	S	S	23 10 32.8 -2.9
KURK	Kurchatov	P	P	23 04 26.4 0.0
KURK	Kurchatov	P	P	23 04 26.4 +0.1
KURK	Kurchatov	IAMB	IAMB	23 04 27.6
KURK	Kurchatov	PP	PP	23 05 58.7 -0.8
KURK	Kurchatov	P	P	23 06 27.4 -0.8
KURK	Kurchatov	P	P	23 04 26.6 +0.2
KURBB	Kurchatov Arra	P	P	23 04 26.8 0.0
KURBB	comp=Z,22nm,0.8s,baz=336,slow=7.1,SNR=125	PP	PP	23 05 59.8 -0.3
KURBB	comp=Z,37nm,1.3s,baz=330,slow=11,SNR=11	P	P	23 06 27.4 -1.0
KURBB	comp=Z,5.7nm,0.9s,baz=304,slow=3.1,SNR=6.5	LR	LR	23 22 07.0
G62A	West of Eustis	P	P	23 04 28.2 +1.0
G62A	comp=Z,22nm,0.8s	IAMB	IAMB	23 04 29.9
TIO	Tiouat	P	P	23 04 28.6 +0.9
G21K	Allakact comp=Z,59nm,1.4s	IAMS_20	IAMS_20	23 19 57.6
GEVA	Gevas	P	P	23 04 28.6 +0.5
GEVA	comp=Z,46nm,1.0s	IAMB	IAMB	23 04 37.7
KRH	Porcupine Dome	P	P	23 04 29.1 +0.8
J29N	Klondike Camp	IAMS_20	IAMS_20	23 04 28.0 -0.3
J29N	comp=Z,4um,21.0s	P	P	23 04 29.9 +0.3
H23Q	Yukon River	P	P	23 04 29.9 +0.3
H23Q	Mont Tremblant	IAMB	IAMB	23 04 34.0
H22K	Ishlaltina Cre	P	P	23 04 31.4 +0.7
IMAR	Indian Mountain	P	P	23 04 30.6 -1.4
K29M	Barlow Dome	IAMB	IAMB	23 04 48.3
K29M	comp=Z,43nm,1.1s	IAMS_20	IAMS_20	23 22 24.0
SEM	Sempalatinsk	eP	eP	23 04 32.9 -0.1
SEM	Sempalatinsk	eP	eP	23 04 33.0 -0.1
CSS	Mathiatis	IAMB	IAMB	23 04 34.1 +1.0
CSS	comp=Z,38nm,0.7s	IAMS_20	IAMS_20	23 24 23.1
CSS	Mathiatis	IAMS_20	IAMS_20	23 04 33.8 +0.6
POKR	Poker Plat Res	P	P	23 04 35.5 +2.3
POKR	comp=Z,1um,comp=Z,65nm,1.1s	IAMS_20	IAMS_20	23 21 18.7
H62A	Milan	P	P	23 04 35.5 +1.9
H21K	Melozitna Rive	P	P	23 04 34.6 +0.8
H21K	comp=Z,3um,20.0s	IAMS_20	IAMS_20	23 21 23.6
HAKT	HAKKAFI	P	P	23 04 37.1 +1.7
J25K	Salcha River	IAMS_20	IAMS_20	23 24 09.9
ILAR	Eielson Array	P	P	23 04 36.0 +0.6
ILAR	comp=Z,8.2nm,0.9s,baz=8.0,slow=7.7,SNR=45	P	P	23 06 31.4 -0.2
ILAR	comp=Z,4.4nm,0.8s,baz=342,slow=2.6,SNR=11	LR	LR	23 23 36.2
ILAR	comp=Z,3um,20.1s,baz=24,slow=39	P	P	23 04 35.5 +0.2
ILAR	Eielson Array	P	P	23 04 35.5 +0.2
COLA	College	P	P	23 04 37.6 +2.1

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COLA	College	41.71 338	IAMS_20	IAMS_20	23 23 53.2
K27K	Chicken	41.78 334	IAMB	IAMB	23 04 46.7
FFC	Flin Flin	41.86 301	P	P	23 04 37.7 +0.9
FFC	Flin Flin	41.86 301	P	P	23 04 37.4 +0.5
FFC	Flin Flin	41.86 301	P	P	23 04 37.2 +0.4
I21K	Tanana	41.88 341	IAMS_20	IAMS_20	23 21 07.5
FLET	Fletcher	41.89 269	P	P	23 04 37.6 +0.5
CCB	Clear Creek Bu	41.93 338	IAMS_20	IAMS_20	23 21 44.9
H19A	Roundabout Mou	41.98 344	P	P	23 04 37.9 +0.3
H19A	Harding Lake	41.92 337	IAMS_20	IAMS_20	23 22 10.2
L29M	L29M	42.07 331	IAMS_20	IAMS_20	23 22 48.8
SCRK	Sand Creek	42.09 335	IAMS_20	IAMS_20	23 22 45.2
WRH	Wood River Hill	42.13 338	P	P	23 04 39.7 +0.8
CY604	RAF Akrotiri,	42.26 131	IAMB	IAMB	23 04 40.4 +0.4
CY604	comp=Z,57nm,1.3s	IAMB	IAMB	23 04 59.7	
M30M	Minto, Yukon	42.36 330	IAMB	IAMB	23 04 52.1
WBO	Williamsburg	42.38 271	P	P	23 04 42.3 +1.2
WBO	comp=Z,57nm,1.3s	IAMB	IAMB	23 04 45.7	
DOT	Dot Lake	42.41 335	P	P	23 04 41.3 +0.1
DOT	comp=Z,2um,20.0s	IAMS_20	IAMS_20	23 24 15.8	
RIDG	Independent Ri	42.43 336	P	P	23 04 42.0 +0.5
RIDG	comp=Z,3um,22.0s	IAMS_20	IAMS_20	23 22 31.1	
F15K	North Star Dit	42.43 349	P	P	23 04 41.5 +0.3
F15K	comp=Z,60nm,1.4s	IAMB	IAMB	23 04 48.5	
K24K	Donnelly Dome	42.49 336	IAMS_20	IAMS_20	23 23 46.7
LONV	Lake Ozonia	42.50 270	P	P	23 04 43.4 +1.2
I20K	Naaghdeneel	42.51 342	IAMS_20	IAMS_20	23 21 55.2
H18K	Honhosa River	42.52 345	P	P	23 04 43.0 +0.9
H18K	comp=Z,93nm,1.9s	IAMB	IAMB	23 04 46.4	
BCAR	Beaver Creek A	42.65 333	P	P	23 04 43.6 +0.4
L27K	Beaver Creek	42.66 333	IAMS_20	IAMS_20	23 24 24.4
M29M	Somme Creek	42.75 331	IAMS_20	IAMS_20	23 23 10.2
H17K	Granite Mounta	42.85 345	P	P	23 04 45.6 +0.8
H17K	Yakutsk	42.86 30	LR	LR	23 24 13.2
YAK	Yakutsk	42.86 30	eP	eP	23 04 46.3 -1.2
YAK	Yakutsk	42.86 30	eP	eP	23 04 46.4 -0.4
YAK	Yakutsk	42.86 30	eP	eP	23 06 25.0
YAK	Yakutsk	42.86 30	eP	eP	23 11 08.5 -0.4
YAK	Yakutsk	42.86 30	eP	eP	23 11 13.7 +1.6
YAK	Yakutsk	42.86 30	eP	eP	23 14 13.9 -5.5
YAK	Yakutsk	42.86 30	eP	eP	23 14 50.8
YAK	comp=Z,79nm,1.1s	pmax	pmax		
YAK	comp=E,10.0nm,1.3s	pmax	pmax		
YAK	comp=Z,98nm,2.3s	pmax	pmax		
YAK	comp=N,56nm,2.1s	smax	smax		
YAK	comp=N,114nm,2.5s	smax	smax		
YAK	comp=E,93nm,2.2s	MLR	MLR		
YAK	comp=Z,1um,18.0s	MLR	MLR		
YAK	comp=E,443nm,17.0s	MLR	MLR		
YAK	comp=N,624nm,17.0s	MLR	MLR		
YAK	Yakutsk	42.86 30	IAMB	IAMB	23 04 44.5 -0.3
YAK	Yakutsk	42.86 30	P	P	23 04 44.5 -0.3
YAK	Yakutsk	42.86 30	P	P	23 04 44.3 -0.5
L26K	comp=Z,1um,comp=Z,93nm,1.3s	IAMS_20	IAMS_20	23 25 05.0	
L26K	Log Cabin Wild	42.91 334	IAMS_20	IAMS_20	23 24 48.8
MCK	McKinley	42.95 338	IAMS_20	IAMS_20	23 24 48.8
MCK	comp=Z,2um,19.0s	P	P	23 04 47.7 +1.3	
CFNY	Militasta	43.05 375	P	P	23 04 47.2 +0.5
CFNY	Cliff-Fine,	43.05 350	IAMB	IAMB	23 04 50.8
J20K	Nowinta River	43.08 342	IAMS_20	IAMS_20	23 21 44.4
N31M	Grabrurn, Yko	43.23 329	P	P	23 04 48.2 +0.3
PAX	Paxson	43.25 336	P	P	23 04 48.4 +0.2
PAX	comp=Z,17nm,1.0s	MLR	MLR		
PAX	comp=Z,3um,22.0s	MLR	MLR		
PAX	Paxson	43.25 336	P	P	23 04 48.4 +0.2
RND	Reindeer	43.25 338	IAMS_20	IAMS_20	23 22 44.9
RND	comp=Z,45nm,1.7s	pmax	pmax	23 04 49.5 +1.4	
RND	comp=Z,2um,20.0s	MLR	MLR		
RND	Reindeer	43.25 338	P	P	23 04 49.5 +1.4
RND	comp=Z,2um,20.0s	IAMS_20	IAMS_20	23 25 28.9	
WTLV	Watson Lake, Y	43.27 323	P	P	23 04 47.3 -1.0
WTLV	comp=Z,40nm,1.0s	IAMB	IAMB	23 04 48.3	
BUKO	Buck Lake	43.30 275	P	P	23 04 49.1 +0.5
BUKO	comp=Z,46nm,1.1s	IAMB	IAMB	23 04 52.3	
M27K	Edge Creek, A	43.34 333	P	P	23 04 49.5 +0.6
M27K	comp=Z,2um,20.0s	IAMS_20	IAMS_20	23 24 44.8	
KTH	Kantishna Hill	43.35 339	P	P	23 04 48.7 -0.2
KTH	comp=Z,2um,19.0s	IAMS_20	IAMS_20	23 24 18.4	
DHY	Denali Highway	43.39 337	P	P	23 04 49.9 +0.5
DHY	comp=Z,59nm,1.5s	IAMB	IAMB	23 05 05.5	
J19K	Poorman	43.41 343	P	P	23 04 50.3 +1.1
J19K	comp=Z,2um,21.0s	IAMS_20	IAMS_20	23 21 42.1	
WCNY	West Carthage	43.41 271	P	P	23 04 49.9 +0.3
WCNY	comp=Z,81nm,1.5s	IAMB	IAMB	23 04 53.5	
BCX	comp=Z,2um,21.0s	IAMS_20	IAMS_20	23 21 21.0	
J59A	Piesco	43.51 269	P	P	23 04 51.







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Table with columns: Station, Name, Frequency, Class, Mode, Power, Offset, etc. Includes stations like WLAR White Oak Lake, TORO Torodi Ar. Bea, SRU San Rafael Sve, etc.

2020 OCT

Table with columns: Station, Name, Frequency, Class, Mode, Power, Offset, etc. Includes stations like JMDO Jabal Madar, WKB Wadi Bani Khal, NDI New Delhi, etc.

30d 22h

Table with columns: Station, Name, Frequency, Class, Mode, Power, Offset, etc. Includes stations like ASAJ Asahikawa, TIY Tatyuan, TIY Tatyuan, etc.



Table with columns: OPO, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like Ambohidratampo, LPAZ, LBTB, SCJ, TAOE, etc.

ISK 30 22:57:44.2, 37:88'N, 26:88'E, h5km, ML3, 1/11
AFAD 30 22:57:44.0, 37:82'N, 26:78'E, h7km, 2km, ML2.5
ISC 30 22:57:45.0, 1.0, 37:87'N, 0.03, 26:88'E, 0.04, h13km, 7km, n23, 0.059/32, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like GMLD, KUSD, GCAM, etc.

ISK 30 23:05:29.7, 37:79'N, 26:85'E, h8km, ML4, 1/19
IDC 30 23:05:29.7, 0.7, 37:89'N, 26:85'E, h0km, mb3, 9/7, mbmp3, 8/13, ML3, 3/5, Error ellipse: s-maj=12.9km s-min=11.6km az=152.0
THE 30 23:05:30.5, 38'N, 27'E, h6km, 3km, M3, 3/7, ML3, 3/7

Main table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like GMLD, KUSD, GCAM, etc.

ISK 30 23:05:32.7, 37:91'N, 26:93'E, h10km, 2km, MW4.0
ATH 30 23:05:32.7, 37:90'N, 26:93'E, h14km, 1km, ML3, 6/13, Latitude uncertainty: 1 km; Longitude uncertainty: 1 km
ISC 30 23:05:32.6, 0.8, 37:90'N, 0.01, 26:96'E, 0.02, h16km, 5km, n154, 0.084/190, Dodecanese Islands

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like KYMI, DION, PNTL, etc.

IDC 30 23:09:31.1, 1.1, 37:83'N, 26:88'E, h0km, mb3, 6/3, mbmp3, 5/9, ML3, 3/5, Error ellipse: s-maj=15.5km s-min=13.5km az=131.0
ISK 30 23:09:32.7, 8.37'90'N, 26:91'E, h8km, ML3, 9/35
THE 30 23:09:32.9, 38'N, 27'E, h8km, 5km, M3, 3/32, ML3, 3/32
AFAD 30 23:09:32.7, 37:91'N, 26:93'E, h10km, 2km, MW4.0
ATH 30 23:09:32.7, 37:90'N, 26:93'E, h14km, 1km, ML3, 6/13, Latitude uncertainty: 1 km; Longitude uncertainty: 1 km
ISC 30 23:09:32.6, 0.8, 37:90'N, 0.01, 26:96'E, 0.02, h16km, 5km, n154, 0.084/190, Dodecanese Islands

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like KYMI, DION, PNTL, etc.

IDC 30 23:09:31.1, 1.1, 37:83'N, 26:88'E, h0km, mb3, 6/3, mbmp3, 5/9, ML3, 3/5, Error ellipse: s-maj=15.5km s-min=13.5km az=131.0
ISK 30 23:09:32.7, 8.37'90'N, 26:91'E, h8km, ML3, 9/35
THE 30 23:09:32.9, 38'N, 27'E, h8km, 5km, M3, 3/32, ML3, 3/32
AFAD 30 23:09:32.7, 37:91'N, 26:93'E, h10km, 2km, MW4.0
ATH 30 23:09:32.7, 37:90'N, 26:93'E, h14km, 1km, ML3, 6/13, Latitude uncertainty: 1 km; Longitude uncertainty: 1 km
ISC 30 23:09:32.6, 0.8, 37:90'N, 0.01, 26:96'E, 0.02, h16km, 5km, n154, 0.084/190, Dodecanese Islands



Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like GMLD Gumuldur, CESE eme, BEYE izmir, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like AXAR Agios Charalamb, GUR Gaura, SAHE Sakarya, etc.

ISK 30 23:27:31.7, 37°85'N-26°96'E, h6km, ML2.6/1.3
AFAD 30 23:27:31.7, 37°83'N-26°93'E, h7km, ML2.3
ISC 30 23:27:32.0, 1.0, 37.84N, 26.95E, 0.04, h14km, 8km, n19, r0.936/26, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like DGB zmir, DGB comp=E.403nm,0.2s, GMLD Gumuldur, etc.

SOF 30 23:33:17.6, 37°5'N-0.4-27.2E, 0.2, h2km, 15km, MD3.9/10
IDC 30 23:33:24.5, 0.8, 37.75N, 26.93E, h0km, mb3.7/5, mbmp3.6/12, ML3.3/6, Error ellipse: s-maj=12.7km s-min=12.0km az=23.0

AFAD 30 23:33:25.3, 37°87'N-26°87'E, h8km, 2km, MW4.0
ISK 30 23:33:25.3, 37°86'N-26°87'E, h11km, ML4.1/23
ATH 30 23:33:26.2, 37°85'N-26°79'E, h16km, ML3.8/10, Latitude uncertainty: 1 km; Longitude uncertainty: 1 km
GII 30 23:33:27.9, 0.0, 37.355N, 0.002-26.863E, 0.001, h0km, Mws3.9, confirmed

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like KRL1 Karlovasi Samo, DGB zmir, GMLD Gumuldur, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like KRBN Karaburun, AYBD Zeytinkoy-Aydi, AYDN Tasuluk, etc.





MW5.3/145, Moment Tensor Solution. s76.c116; s145.c287; Duration: 1s1. Moment tensor: Scale 1017 Nm;  $M_{11}=0.89t.01$ ;  $M_{22}=0.63t.01$ ;  $M_{33}=0.25t.01$ ;  $M_{12}=0.12t.04$ ;  $M_{13}=0.11t.01$ ;  $M_{23}=0.23t.03$ ; Best double couple  $M=1.01900t.1017$ ;  $NP1_{12}=243.00000t$ ;  $\delta_{329.00000t}$ ;  $\lambda=76.00000t$ ;  $NP2_{12}=45.00000t$ ;  $\delta_{52.00000t}$ ;  $\lambda=101.00000t$ ; Principal axes: T 1.1080,  $Pig7.0000t$ , Azm143.0000t; N -0.1790,  $Pig7.0000t$ , Azm52.0000t; P -0.9290,  $Pig79.0000t$ , Azm270.0000t; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function  
MOS 30 23:46:44.0-1.71.52N.0.35W, h10km, mb5.2/96, MS4.8/21 Error ellipse: s-maj=10.9km s-min=3.4km az=99.2  
INMG 30 23:46:44.0-8.4.0.8.4.71.98N.2.39W, h10km, mb5.2, Ms4.7, MW5.1, #DIST. RANGE: DISTANT  
NAO 30 23:46:44.0-5.1.3.71.50N.3.88W, h8km, 12km, ML5.1, GFZ 30 23:46:44.0-0.2.72.1N.3.35W, h10km, Ms1.4/m, mb5.0/49 GFZ 30 23:46:45.5.71.64N.3.45W, h12km, Mw5.3/126, Moment Tensor Solution. Moment tensor: Scale 1017Nm;  $M_{11}=0.99t$ ;  $M_{22}=0.60t$ ;  $M_{33}=0.30t$ ;  $M_{12}=0.32t$ ;  $M_{13}=0.38t$ ;  $M_{23}=0.38t$ ; Fault plane solution:  $M=1.0389t$ ;  $NP1_{12}=47.6734t$ ;  $\delta_{55.0048t}$ ;  $\lambda=95.9433t$ ;  $NP2_{12}=239.1022t$ ;  $\delta_{31.5040t}$ ;  $\lambda=80.2205t$ ; Principal axes: T 0.9418,  $Pig1.6125t$ , Azm141.9975t; N -0.1725,  $Pig5.0923t$ ; Azm50.7422t; P -1.1144,  $Pig75.2435t$ ; Azm300.9680t;  
DNK 30 23:46:45.4.3.1.71.68N.3.56W, h35km, 47km, ML3.5, Confirmed Earthquake  
NEIC 30 23:46:45.7.1.5.71.47N.0.06.3.3W.0.2, h10km, 1km, mb5.1/315, Mw5.3/46, Error ellipse: s-maj=11.0km s-min=10.7km az=5.0  
NEIC 30 23:46:45.9.71.50N.3.24W, h10km  
NEIC 30 23:46:46.5.71.50N.2.93W, h12km, Moment Tensor Solution. Duration: 2s4. Moment tensor: Scale 1016Nm;  $M_{11}=7.80t$ ;  $M_{22}=4.88t$ ;  $M_{33}=2.92t$ ;  $M_{12}=1.0t$ ;  $M_{13}=5.88t$ ;  $M_{23}=2.22t$ ; Fault plane solution:  $M=3.5200t$ ;  $NP1_{12}=1016$ ;  $NP2_{12}=29.0400t$ ;  $\delta_{49.0000t}$ ;  $\lambda=121.7400t$ ; Principal axes: T 9.8636,  $Pig1.0000t$ , Azm320.0000t; N -0.7369,  $Pig23.0000t$ ; Azm50.0000t; P -9.1267,  $Pig67.0000t$ ; Azm229.0000t;  
BER 30 23:46:47.6.3.3.71.54N.3.95W, h31km, 21km, Mw5.0, MW5.3(USGS), Confirmed Earthquake  
FCJAR 30 23:46:47.0.71.11N.5.06W, h10km  
BGR 30 23:46:50.9.71.36N.1.84W, h33km, mb5.2  
ISC 30 23:46:45.4.0.8.71.46N.0.03.3.49W.0.03, h12km, 4km, n1075, s-172/999, mb5.1/329, MS4.7/125, 44C-34D, Jan

Code	Station Name	Lat	Lon	Phase ID	Time Res	ISC
JNE	Jan Mayen East	1.63	256	eP	23 47 10.7	-3.1
JNE	Jan Mayen West	1.65	257	eP	23 47 11.3	-2.9
JNE	Jan Mayen	1.69	256	Pb	23 47 11.7	-3.0
JNE	Jan Mayen	1.69	256	Sb	23 47 30.8	-5.5
JNE	Jan Mayen	1.69	256	Pn	23 47 11.4	-3.3
JNE	Jan Mayen	1.69	256	Sb	23 47 30.4	-5.9
JNE	Jan Mayen	1.69	256	eS	23 47 11.7	-3.0
JNE	Jan Mayen	1.78	255	Pb	23 47 33.2	-5.2
JNE	Jan Mayen	1.78	255	Sb	23 47 13.0	-2.9
JNE	Jan Mayen	1.78	255	eS	23 47 32.7	-5.7
JNE	Jan Mayen	1.78	255	IAML	23 47 37.9	
DBG	Daneborg	5.70	308	Pn	23 48 05.5	-4.2
DBG	Daneborg	5.70	308	eP	23 48 04.0	-4.7
DBG	Daneborg	5.70	308	eS	23 49 04.2	-1.1
DBG	Daneborg	5.70	308	Pn	23 48 05.7	-4.0
DBG	Daneborg	5.70	308	iP	23 48 05.3	-4.4
DBG	Daneborg	5.70	308	iS	23 49 04.5	-10
DBG	Daneborg	5.70	308	IAML	23 49 07.4	
SCO	Scoressbyund	6.11	270	P	23 48 16.5	+1.2
SCO	Scoressbyund	6.11	270	iP	23 48 13.1	-2.2
SCO	Scoressbyund	6.11	270	iS	23 48 13.0	-2.3
DAG	Danmarks Havn	6.74	329	Pn	23 48 19.5	-4.5
DAG	Danmarks Havn	6.74	329	eP	23 48 19.7	-4.3
DAG	Danmarks Havn	6.74	329	eS	23 49 25.2	-15
DAG	Danmarks Havn	6.74	329	Pn	23 48 19.6	-4.5
DAG	Danmarks Havn	6.74	329	iP	23 48 19.7	-4.3
DAG	Danmarks Havn	6.74	329	iS	23 49 25.5	-15
DAG	Danmarks Havn	6.74	329	IAML	23 49 29.3	
LOF	Lofoten	6.76	111	Pn	23 48 23.2	-1.0
LOF	Lofoten	6.76	111	eP	23 48 23.3	-1.0
BJO1	Bjornoya	7.24	55	eP	23 48 30.8	0.0
BJO1	Bjornoya	7.24	55	eP	23 48 31.4	+0.6
BEAR	Bear Island, N	7.24	55	Pn	23 48 31.3	+0.5
STEI	Steigen	7.39	109	Pn	23 48 32.3	-0.6
STEI	Steigen	7.39	109	eP	23 48 32.0	-1.0
VAGH	Vaagaholmen	7.62	120	Pn	23 48 35.1	-0.9
VAGH	Vaagaholmen	7.62	120	Sb	23 49 55.6	-6.5
VAGH	Vaagaholmen	7.62	120	eP	23 48 34.8	-1.3
TRO	Tromsø	7.68	93	Pn	23 48 34.4	-2.4
TRO	Tromsø	7.68	93	Pn	23 49 56.2	-7.4
TRO	Tromsø	7.68	93	Pn	23 48 35.6	-1.3
TRO	Tromsø	7.68	93	eP	23 48 34.6	-2.3
TRO	Tromsø	7.68	93	eS	23 49 56.5	-7.2
TRO	Tromsø	7.68	93	IAML	23 49 58.1	
KONS	Konsvik	7.75	122	eP	23 48 36.4	-1.3
KONS	Konsvik	7.75	122	eS	23 49 58.3	-7.0
KONS	Konsvik	7.75	122	IAML	23 50 06.3	
FAUS	Fauske	7.75	113	Pn	23 48 36.4	-1.5
FAUS	Fauske	7.75	113	eP	23 48 36.6	-1.2
STOK	Stokkvaagen	7.84	123	Pn	23 48 37.8	-1.3
STOK	Stokkvaagen	7.84	123	Sb	23 50 00.2	-7.4
STOK	Stokkvaagen	7.84	123	eP	23 48 37.6	-1.5
STOK	Stokkvaagen	7.84	123	eS	23 50 00.3	-7.3
STOK	Stokkvaagen	7.84	123	IAML	23 50 05.6	
LEIR	Leirfjorden	8.04	124	Pn	23 48 40.3	-1.4
LEIR	Leirfjorden	8.04	124	Sb	23 50 04.9	-7.5
LEIR	Leirfjorden	8.04	124	eP	23 48 40.3	-1.4
RAUS	Rausandaksla	8.05	120	eP	23 48 40.8	-1.1
BRBB	Barentsburg A	8.06	27	Pn	23 48 40.8	-1.2
BRBB	Barentsburg B	8.08	27	Pn	23 48 41.3	-1.0
BRBB	Barentsburg B	8.08	27	eP	23 48 41.0	-1.3
JETT	Jettan, Norway	8.19	92	Pn	23 48 42.4	-1.4
JETT	Jettan, Norway	8.19	92	Sb	23 50 10.0	-6.1
JETT	Jettan, Norway	8.19	92	Pn	23 48 42.4	-1.4
MOR8	Moi Rana	8.35	121	Pn	23 50 10.0	-6.1
MOR8	Moi Rana	8.35	121	Sb	23 48 46.1	-5.5
MOR8	Moi Rana	8.35	121	eP	23 48 45.2	-5.9
SPA0	Spitsbergen Ar	8.46	28	Pn	23 48 47.5	0.0
SPA0	Spitsbergen Ar	8.46	28	iP	23 48 47.5	0.0
SPA0	Spitsbergen Ar	8.46	28	Pn	23 48 47.5	0.0
SPA0	Spitsbergen Ar	8.46	28	Pn	23 48 46.9	-0.6
SPA0	Spitsbergen Ar	8.46	28	Pn	23 48 46.9	-0.6
SALU	Salloluokka	8.72	107	eP	23 48 50.3	-0.8
NSS	Namsos	9.02	133	eP	23 48 54.5	-0.7
NSS	Namsos	9.02	133	eP	23 48 54.5	-0.7
HOPEN	Hopen	9.26	44	eP	23 48 58.4	-0.1
HOPEN	Hopen	9.26	44	eP	23 48 58.6	+0.1
HOPEN	Hopen	9.26	44	eP	23 48 58.8	+0.3
KTK1	Kautokoino	9.33	92	eP	23 48 58.3	-1.2

LANU	Lannavaara	9.42	99	eP	23 48 59.3	-1.4
BORG	Borgarnes	9.43	233	Pn	23 49 03.4	+2.6
BORG	Borgarnes	9.43	233	Sb	23 50 45.9	-0.7
BORG	Borgarnes	9.43	233	Pn	23 51 59.9	
BORG	Borgarnes	9.43	233	AML	23 49 04.7	+3.9
BORG	Borgarnes	9.43	233	Pn	23 49 04.7	+3.9
HEF	Hetta	9.76	95	eP	23 49 04.1	-1.2
ARAO	ARCESS Array S	9.83	87	Pn	23 49 04.7	-1.5
ARAO	ARCESS Array S	9.83	87	S	23 50 52.1	-4.3
ARAO	ARCESS Array S	9.83	87	eP	23 49 03.9	-2.3
ARAO	ARCESS Array S	9.83	87	Pn	23 50 52.1	-4.3
ARCES	ARCESS Array B	9.83	87	Pn	23 49 04.7	-1.6
ARCES	ARCESS Array B	9.83	87	S	23 50 51.3	-5.0
ARCES	ARCESS Array B	9.83	87	LR	23 52 27.0	
ARCES	ARCESS Array B	9.83	87	AML	23 49 05.4	-1.7
MOL	Molde	9.89	149	eP	23 49 05.4	-1.7
MOL	Molde	9.89	149	eS	23 50 54.2	-9.4
MOL	Molde	9.89	149	IAML	23 50 54.2	-9.4
AKN	Aaknes	10.17	151	P	23 49 09.7	-1.2
AKN	Aaknes	10.17	151	Pn	23 49 09.7	-1.2
KEV	Kevo	10.21	85	Pn	23 49 10.2	-1.4
KEV	Kevo	10.21	85	Pn	23 49 08.9	-2.6
KEV	Kevo	10.21	85	Pn	23 49 08.9	-2.6
KEV	Kevo	10.21	85	Pn	23 49 09.7	-1.9
FOO	Flo	10.45	157	P	23 49 13.2	-1.6
FOO	Flo	10.45	157	S	23 51 02.3	-9.3
FOO	Flo	10.45	157	Pn	23 49 13.2	-1.6
FOO	Flo	10.45	157	Pn	23 49 13.4	-1.4
NOR	Nord	10.60	349	eP	23 49 13.7	-3.0
NOR	Nord	10.60	349	eP	23 49 13.4	-3.3
NOR	Nord	10.60	349	eS	23 51 03.5	-12
NOR	Nord	10.60	349	Pn	23 49 13.6	-3.2
NOR	Nord	10.60	349	eP	23 49 13.6	-3.2
NOR	Nord	10.60	349	Pn	23 49 13.6	-3.2
DOMB	Dombas	10.64	146	P	23 49 16.9	-0.5
DOMB	Dombas	10.64	146	Pn	23 49 16.8	-0.6
SUMG	Summit	10.76	292	P	23 49 18.4	-1.0
SUMG	Summit	10.76	292	Pn	23 49 18.4	-1.0
SUMG	Summit	10.76	292	Pn	23 49 18.8	-0.6
SJUJ	Sjulsmark	10.89	111	eP	23 49 18.3	-2.5
SUE	Sulen	10.94	158	Pn	23 49 20.1	-1.4
SUE	Sulen	10.94	158	eP	23 49 20.5	-1.0
HYA	Hoyanger	11.02	155	Pn	23 49 21.4	-1.1
HYA	Hoyanger	11.02	155	eP	23 49 22.5	-0.0
SGF	Sodankyl	11.20	96	Pn	23 49 24.8	-0.2
SGF	Sodankyl	11.20	96	Pn	23 49 24.8	-0.2
LRW	Lerwick	11.41	174	P	23 49 27.6	-0.3
LRW	Lerwick	11.41	174	S	23 51 24.6	-10
LRW	Lerwick	11.41	174	Pn	23 49 27.6	-0.3
LRW	Lerwick	11.41	174	eP	23 49 27.3	-0.6
BAS03	BAS03	11.48	158	eP	23 49 27.6	-1.3
ASK	Askoy	11.55	148	eP	23 49 29.6	-0.3
NC204	NORSAR Array S	11.66	144	eP	23 49 30.7	-0.7
BER	Bergen	11.67	158	eP	23 49 29.8	-1.6
BER	Bergen	11.67	158	eP	23 49 29.7	-1.7
SKAR	Skarslia	11.79	151	eP	23 49 31.5	-1.8
NC303	NORSAR Array S	11.82	143	eP	23 49 31.2	-2.4
NB000	NORSAR Array S	11.89	144	eP	23 49 34.2	-0.3
NB2	NORSAR Subarra	11.96	143	P	23 49 36.0	+0.4
NB2						

30d 23h

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like NACGM Naroch, WIMM Wimmelburg, BSKO Stenkerk, etc.

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Table with columns for station code, name, frequency, power, and other technical details. Includes stations like OSTC Ostas, UPC Ujpec, GRAT1 Grafenberg Arr, etc.

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Table with columns for station code, name, frequency, power, and other technical details. Includes stations like ILON, BOURR Bourrignon, NIE Niedzica, etc.

Table with columns for station code, name, frequency, and other technical details. Includes stations like OBKA Obir, CTI Castel Tesino, LPSR Galich'ya Gora, etc.

Table with columns for station code, name, frequency, and other technical details. Includes stations like PMRV, PMRV, PMRV, PMRV, PMRV, etc.

Table with columns for station code, name, frequency, and other technical details. Includes stations like E27K, G31M, G30M, YKA, YKA, YKA, etc.



Table with columns: Station, Frequency, Mode, Power, and other parameters. Includes stations like USRK, SZCU, YERR, ORV, etc.

Table with columns: Station, Frequency, Mode, Power, and other parameters. Includes stations like ISA, HNDO, GCPK, etc.

Table with columns: Station, Frequency, Mode, Power, and other parameters. Includes stations like MBAR, SLVN, CHTO, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, and other parameters. Includes stations like zmir, Gzjelcam!, etc.





Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Salihli, Soma-Manisa, KIRAZ, KARYSTOS, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Zeytinokoy-Aydi, Foca, zmir-Karabur, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Karlovasi Samo, G?zelcamli?, Kusanadi-Aydin, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Warramunga Arr, Alice Springs, Makanchi Array.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DGB zmir, GMLD Gumuldur, KUSADASI-AYDIN, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KRL1 Karlovasi Samo, G?zelcamli?, KUSADASI-AYDIN, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DGB zmir, GMLD Gumuldur, KUSADASI-AYDIN, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DGB zmir, GMLD Gumuldur, KUSADASI-AYDIN, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KRL1 Karlovasi Samo, G?zelcamli?, KUSADASI-AYDIN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Acipayam-Deniz, Nea Kammeni, Santorini-Thir, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Tescani, Mount Malkishu, Ariel Universi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GMLD Gumuldur, Karlovasi Samo, Kusadasi-Aydin, etc.

AFAD 31 00:35:55.7, 37.94N, 26.42E, h6km, 4km, ML2.6
ISK 31 00:35:56.1, 37.94N, 26.42E, h8km, ML2.6/16
ISC 31 00:35:54.9, 1.3, 37.92N, 0.03, 26.37E, 0.04, h6km, 12km, n33, c077/42, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ZEYE Izmir, ZEYE Balçova, CESE eme, DGB zmir, CHOS Chios island, etc.

IDC 31 00:41:58.1, 4.2, 3.56N, 128.29E, h0km, mb3.6/4, mbtmp3.6/4, Error ellipse: s-maj=389.7km s-min=21.7km az=68.0, North of Halmaheera

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, KURBB Kurchatov Arra, etc.

IDC 31 00:49:06.8, 1.8, 37.66N, 26.54E, h0km, mb3.7/2, mbtmp3.6/4, ML3.4/2, MS3.0/2, Error ellipse: s-maj=42.9km s-min=22.4km az=153.0

ISK 31 00:49:06.8, 37.88N, 26.47E, h14km, ML3.5/13
THE 31 00:49:06.8, 38°N, 1.2, 37.88N, 26.47E, h8km, 4km, ML3.6/29, MLh3.6/29

ATH 31 00:49:06.4, 37.87N, 26.43E, h13km, 2km, ML3.6/12, Latitude uncertainty: 1 km; Longitude uncertainty: 1 km

AFAD 31 00:49:07.1, 37.89N, 26.40E, h7km, 5km, ML3.7
DAF 31 00:49:06.6, 1.1, 37.86N, 0.02, 26.42E, 0.02, h5km, 9km, n104, c0896/131, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ZEYE Izmir, DGB Gumuldur, CESE eme, BEYE izmir, CHOS Chios island, etc.

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KUSD Balçova, KARB zmir-Karabur, FOCM Foa, BDRM Kayabasi, etc.

Table with columns: LTK Loutraki, LTK Zakros, LKR Lokris, LKR Anoyia, etc. Includes station names, azimuths, phase IDs, times, and residuals.

ISK 31 00:52:58.9, 37.87N, 26.49E, h9km, ML3.5/13
AFAD 31 00:52:58.2, 37.84N, 26.44E, h7km, 2km, ML3.0
THE 31 00:52:59.5, 38°N, 1.2, 37.87N, 26.47E, h6km, 6km, ML3.3/22, MLh3.3/22

ATH 31 00:52:59.1, 37.87N, 26.45E, h12km, 1km, ML3.4/30, Latitude uncertainty: 1 km; Longitude uncertainty: 1 km

ISC 31 00:52:59.4, 0.9, 37.87N, 0.02, 26.47E, 0.02, h11km, 8km, n120, c086/140, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KRL1 Karlovasi Samo, ZEYE Izmir, ZEYE Chios island, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KYMI, DION, PENTELI, ARKHANGELOS, ATHENS, etc.

ISK 31 00:55:35.9, 37.84N, 26.69E, h10km, ML2.8/17
AFAD 31 00:55:36.0, 37.85N, 26.67E, h7km, 1km, ML2.6

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DGB, GMLD, ZEVE, BEYE, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BAGT, KARB, FOCM, BODT, etc.

IDC 31 00:56:30.4, 2.1, 71.50N, 3.13W, h0km, mb3.5/3,
mtpm3.6/9, ML3.2/6, MS3.2, Error ellipse: s-maj=35.1km

BER 31 00:56:32.1, 1.8, 71.62N, 3.16W, h10km, Mw4.0,
Confirmed Earthquake

DNK 31 00:56:34.3, 2.8, 71.88N, 5.16W, h0km, 110km, ML1.9,
Presumed earthquake

ISC 31 00:56:28.3, 0.9, 71.47N, 0.08, 3.25W, 0.09, h10km, n36,
z240/38, mb3.4/3, Jan Mayen Island region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DBG, SCO, DAG, STEI, VAHO, FAUS, etc.

HFS Hagfors 13.25 140 Pn Pn 00 59 37.2 +1.1
HFS comp=Z, 0.4nm, 0.3s, baz=338, slow=12, SNR=10

AFAD 31 00:57:58.0, 37.89N, 26.81E, h7km, 1km, ML2.1,
Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HFS, FINES, EKA, GERES, AKASO, etc.

comp=E, 188nm, 0.2s

IDC 31 00:58:23.1, 1.3, 32.45N, 48.74E, h0km, mb3.8/18,
mbmp3.9/22, ML3.8/4, MS3.7/1, Error ellipse:
s-maj=28.3km s-min=13.5km az=163.0

OMAN 31 00:58:33.0, 0.6, 31.82N, 49.00E, h23km, mb3.7/22, Error
ellipse: s-maj=6.7km s-min=5.5km az=32.0

ISC 31 00:58:23.6, 0.5, 32.21N, 0.05, 48.72E, 0.04, h10km, n80,
z213/110, mb3.8/17, Western Iran

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AMIS, IKFM, JHBN, etc.







Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CHOS Chios island, KUSADASI-Aydin, BALCOVA, KARABURUN, AYDIN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like THASSOS, KYTHIRA, ANTIKYTHIRA, GOURA, etc.

IDC 31 01:38:44.0-0.9, 7.18S, 150.79E, h0km, mb4.1/6, mbmp4.1/8, ML 1.8/1, MS3.3/5, Error ellipse: s-maj=31.1km s-min=12.8km az=125.0

ISC 31 01:38:49.4-0.9, 7.15S, 150.7E, h0.2, h35km, n12, o#90/11, mb4.0/5, MSZ.4/3, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KRVT Keravat, PMG Port Moresby, WRA Warramunge Arr, etc.

ISK 31 01:40:30.9, 37.82N, 26.44E, h5km, ML4.2/55, ATH 31 01:40:30.1, 37.83N, 26.53E, h7km, 2km, ML4.1/19, Latitude uncertainty: 0 km; Longitude uncertainty: 1 km

IDC 31 01:40:32.4, 38.1N, 2.2E, h10km, 5km, M4.1/16, MLH4.1/16, GII 31 01:40:32.3, 0.0, 37.49N, 0.03, 26.395E, 0.008, h0km, MMS4.5, confirmed

NEIC 31 01:40:33.4, 2.7, 37.88N, 0.04, 26.51E, 0.06, h14km, 4km, mb4.2/10, Error ellipse: s-maj=7.1km s-min=6.4km az=83.0

GFZ 31 01:40:33.7, 0.2, 38.1N, 2.2E, h10km, M4.4/19, mb4.4/19

NAO 31 01:40:35.5, 37.86N, 26.79E, h10km, MB4.3, SOF 31 01:40:40.8, 38.7N, 0.4, 26.2E, 0.2, h2km, 15km, MD3.7/12

ISC 31 01:40:31.9, 0.7, 37.82N, 0.02, 26.47E, 0.02, h9km, 5km, n377, s174/435, mb4.1/16, 17C-15D, Dodecanese Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DGB zmir, ZEVYE Izmir, GMLD Gumuldr, CESE eme, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BODT Bodrum, DAGE izmir, BDRM Kayabasi, TNSA Tinos, AYDN Tasoluk, etc.

31d 1h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

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Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

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Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like MSVF Nonsavu, DGTI Dogotuki, FUTU Fugatoga, NIUE Niue, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like PMG Port Moresby, STKA Stevans Creek, ARPS Mount Arapiles, INKA Innaminka, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like MBWA Marble Bar, BLDU Ballidu, SANI Sanana, TINTI Ternate, MORW Morawa, etc.















Table with columns: Station, Name, Time, Az, El, Status, and other parameters. Includes stations like KRJI, PDSI, BBJI, etc.

Table with columns: Station, Name, Time, Az, El, Status, and other parameters. Includes stations like WMO, CTA, CTAO, etc.

Table with columns: Station, Name, Time, Az, El, Status, and other parameters. Includes stations like BKZ, RTZ, GVZ, etc.









31d 3h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TAVA DENIZLI, DNIZ Denizli-Tavas, KOCA Canakkale, etc.

NNC 31 03:32:31.4±0.8, 42.97N:76.49E, h0km, mb2.6, mpv2.3, Error ellipse: s-maj=6.7km s-min=3.1km az=8.0

KRNET 31 03:32:31.3±0.1, 42.88N:76.51E, h15km, mb2.6

SOME 31 03:32:31.0, 42.92N:76.50E, h10km

ISC 31 03:32:29.4±1.1, 42.93N:76.39E±0.03, h14km±9km, n24, c0966/46, 4C-2D, Lake Issyk-Kul region

Main table for 31d 3h section, listing station codes, names, and seismic data.

AFAD 31 03:32:50.3, 37.94N-26.67E, h7km±4km, ML2.2, Dodecanese Islands

Table for AFAD 31 03:32:50.3, listing station codes like DGB, ZMIR, ZEY, etc.

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Table for 2020 OCT section, listing station codes like CAMT Merkez, AYDN Tasoluk, etc.

AFAD 31 03:33:05.9, 37.86N-26.95E, h7km±7km, ML2.0, Dodecanese Islands

Table for AFAD 31 03:33:05.9, listing station codes like DGB, GCAM, etc.

ISK 31 03:40:11.9, 37.85N-26.78E, h8km, ML2.6/15

THE 31 03:40:12.7, 38°N:28°27'E, h5, h9km±16km, M2.8/6, MLh2.8/6

AFAD 31 03:40:12.0, 37.87N-26.82E, h5km±3km, ML2.6

ISC 31 03:40:12.3±0.9, 37.86N±0.02, 26.79E±0.03, h14km±8km, n39, c0564/57, Dodecanese Islands

Main table for 2020 OCT section, listing station codes and seismic data.

AFAD 31 03:32:50.3, 37.94N-26.67E, h7km±4km, ML2.2, Dodecanese Islands

Table for AFAD 31 03:32:50.3, listing station codes like YKAV, FOCM, etc.

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Table for 1840 section, listing station codes like MLSB Milas, CAMT Merkez, etc.

ISK 31 03:43:40.9, 37.81N-26.98E, h5km, ML2.1/10, Dodecanese Islands

Table for ISK 31 03:43:40.9, listing station codes like GCAM, KUSD, etc.

AFAD 31 03:43:59.0, 37.91N-26.88E, h7km±1km, ML1.6, Dodecanese Islands

Table for AFAD 31 03:43:59.0, listing station codes like DGB, ZEY, etc.

ISK 31 03:47:38.7, 37.93N-26.62E, h8km, ML2.8/20

THE 31 03:47:38.7, 38°N:56°27'E, h3, h12km±22km, M2.8/5, MLh2.8/5

AFAD 31 03:47:38.7, 37.91N-26.63E, h7km±1km, ML2.7

ISC 31 03:47:38.7±1.2, 37.89N±0.03, 26.62E±0.04, h9km±10km, n34, c0545/42, Dodecanese Islands

Main table for 1840 section, listing station codes and seismic data.



31d 4h

Table with columns: Code, Station Name, n14, c1505/23, Dodecanese Islands, Phase ID, Time, Res, ISC. Includes stations like DGB zmir, GMLD Gumuldur, ZEYEV Izmir, BEYEV izmir, GCAM G?zelcami?, KUSD Kusanadasi-Ayidin, etc.

ROM 31 04:04:18.8-0.3, 46.92N, 0.02-9.14E, 0.01, h9km, 2km, ML1.2/2, Error ellipse: s-maj=2.2km s-min=1.1km az=1.0
ZUR 31 04:04:19.2-0.1, 46.91N, 9.14E, h2km, ML1.6/21, Error ellipse: s-maj=1060.3km s-min=622.7km az=357.0
LDG 31 04:04:19.3-0.1, 46.91N, 9.14E, h2km, Md2.6/4, MI1.9/6, Error ellipse: s-maj=1.7km s-min=1.1km az=6.0
ISC 31 04:04:19.6-0.8, 46.90N, 0.02-9.12E, 0.02, h6km, 6km, n37, c0583/62, 5C-2D, Switzerland

Table with columns: Code, Station Name, n14, c1505/23, Dodecanese Islands, Phase ID, Time, Res, ISC. Includes stations like PANIX Pigniu (Panix), SLM2 Linthal, LLS Linth-Limmern, SEFS Erstfeld, MUO Muotathal, SVAM Vaz, Muldain, TUE Stuetta, GMS01 Gemsstock NE-G, BNALP Bannalp, DAVOX Davos/Dischmat, FUSIO Fusio, DAVA Damuels, BERNI Berninapass, FUORNI Ofenpass-Fuorn, MUGGIO Muggio, VARE Varese, FETA Feichten, MMK Mattmark, RETA Reutte, SATI Passo del Sella, MOTa Moosalm, DIXA Grande Dixence, SQTA Sankt Quirin, WATA Walderalm, WTAA Wattenberg.

2020 OCT

Table with columns: Code, Station Name, n14, c1505/23, Dodecanese Islands, Phase ID, Time, Res, ISC. Includes stations like HINF Hinteralfeld, HINF Champ du Feu, CDF La Chapelle, CABF La Plagne, HAU Haudompre, LESA Schwarzeolof, MBDF Montbardon, LOR Lormes.

ISK 31 04:10:29.4, 37.92N, 26.67E, h13km, ML2.5/13
AFAD 31 04:10:29.6, 37.94N, 26.69E, h8km, 2km, ML2.6
THE 31 04:10:30.1, 38.1N, 2.7E, h7km, 8km, ML2.7/4
ISC 31 04:10:29.9, 37.94N, 0.02-26.70E, 0.03, h14km, 7km, n37, c0555/56, Dodecanese Islands

Table with columns: Code, Station Name, n14, c1505/23, Dodecanese Islands, Phase ID, Time, Res, ISC. Includes stations like DGB zmir, GMLD Gumuldur, ZEYEV Izmir, BEYEV izmir, GCAM G?zelcami?, CESE eme, BLCB Balcovia, DDIM Aydin, Didim, KRBN Karaburun, EAG2 Marmaro, DIDI Didim, KARB zmir-Karabur, DUVT Torbali, BAGT Foa, FOCM Foa, YKAV Yalikavak-Bo, KALN Kalymnos, DAGE izmir, BODT Bodrum, BODT Bodrum, CAMT Merkez, BDRM Kayabasi, AYDB Zeytinokoy-Aydi, TNSA Tinos, AYDN Tasoluk, BODM Bodrum-Mula, MLSB Milas, NAXIS Naxos Island, ZMIR zmir-demi, ZEDA zmir-Bergama, DKL Dikili, DKL Dikili, ASTA Astypalaia, PRK Paraskevi, PRK Paraskevi, GOMA Golmarmara-Man, YAZI Mula-Dat?sa, NAZL Nazilli-Ayidin, DAT Data, AKHS Akhisar, AKS Akhisar, AYVA Ayvalik, EYEN Aydin-Nazilli, KTTT Kozani, SOMA Soma-Manisa, SOMA Soma, KIRAZ zmir-Kiraz, MULA Mugla, Merkez, YER Yerkisik, KARY Karystos, KARY Karystos, CMBO Columbo, Santo, THRS Santorini-Mono, GORD Gordes-Manisa, BUHA Balikesir, Bur, MANT Manisa, TURN Turunc, STFN Sif, BALIKESIR Sava, YAYO Edremit-Baik, SULTU Suldan, SKY Sikros Island, EZNE Ezine-Canakkal, EZNE Ezine, KYMI Kymi, Euboea I, KYMI Kymi, Euboea I, DION Dionisos Attik, DION Dionisos Attik, DION Dion, MHLO Agia Marina, M, BALB Balikesir, BALB Balikesir, PNTI Penteli, ARK Arkhangelos, VLY Voula, Athens, VLY Voula, Athens, VLY Voula, Athens, ATHU Athens Unvers, ATHU Athens Unvers, LIA Limnos, GADG Givgeada, KARP Karpathos, VILL Villia, CAVK Edirne/Enez-Ca, IDI Anoyia, IDI Anoyia, KZD Kozdrali, RZN Rzesen, RMB Musrosishta, PLY Plovdiv, VAV Valandovo, KKB Krupnik, PGB Panagyurishte, ELND Elena, VTS Vitosa, OHR Ohrid, BRTR Keskin Array B, KMLR Muntele Rosu, MMLR Muntele Rosu, MLDV Moldovita, PLOR Plostinia.

1842

Table with columns: Code, Station Name, n14, c1505/23, Dodecanese Islands, Phase ID, Time, Res, ISC. Includes stations like GMLD G?zelcami?, CESE eme, BEYEV izmir, GCAM G?zelcami?, GCAM G?zelcami?, CHOS Chios island, CHOS Chios island, CHOS Chios island, CHOS Chios island, KUSD Kusanadasi-Ayidin, BLCB Balcovia, BLCB Balcovia, DDIM Aydin, Didim, DDIM Aydin, Didim, KRBN Karaburun, EAG2 Marmaro, DIDI Didim, KARB zmir-Karabur, DUVT Torbali, BAGT Foa, FOCM Foa, YKAV Yalikavak-Bo, KALN Kalymnos, DAGE izmir, BODT Bodrum, BODT Bodrum, CAMT Merkez, BDRM Kayabasi, AYDB Zeytinokoy-Aydi, TNSA Tinos, AYDN Tasoluk, BODM Bodrum-Mula, MLSB Milas, NAXIS Naxos Island, ZMIR zmir-demi, ZEDA zmir-Bergama, DKL Dikili, DKL Dikili, ASTA Astypalaia, PRK Paraskevi, PRK Paraskevi, GOMA Golmarmara-Man, YAZI Mula-Dat?sa, NAZL Nazilli-Ayidin, DAT Data, AKHS Akhisar, AKS Akhisar, AYVA Ayvalik, EYEN Aydin-Nazilli, KTTT Kozani, SOMA Soma-Manisa, SOMA Soma, KIRAZ zmir-Kiraz, MULA Mugla, Merkez, YER Yerkisik, KARY Karystos, KARY Karystos, CMBO Columbo, Santo, THRS Santorini-Mono, GORD Gordes-Manisa, BUHA Balikesir, Bur, MANT Manisa, TURN Turunc, STFN Sif, BALIKESIR Sava, YAYO Edremit-Baik, SULTU Suldan, SKY Sikros Island, EZNE Ezine-Canakkal, EZNE Ezine, KYMI Kymi, Euboea I, KYMI Kymi, Euboea I, DION Dionisos Attik, DION Dionisos Attik, DION Dion, MHLO Agia Marina, M, BALB Balikesir, BALB Balikesir, PNTI Penteli, ARK Arkhangelos, VLY Voula, Athens, VLY Voula, Athens, VLY Voula, Athens, ATHU Athens Unvers, ATHU Athens Unvers, LIA Limnos, GADG Givgeada, KARP Karpathos, VILL Villia, CAVK Edirne/Enez-Ca, IDI Anoyia, IDI Anoyia, KZD Kozdrali, RZN Rzesen, RMB Musrosishta, PLY Plovdiv, VAV Valandovo, KKB Krupnik, PGB Panagyurishte, ELND Elena, VTS Vitosa, OHR Ohrid, BRTR Keskin Array B, KMLR Muntele Rosu, MMLR Muntele Rosu, MLDV Moldovita, PLOR Plostinia.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like VRI Vrcinoia, MMAI Mount Meron Ar, etc.

IDC 31 04:13:37.8±1.0, 37.76N, 26.51E, h0km, mb3.9/4, mbmp3.8/8, ML3.6/3, Error ellipse: s-maj=19.1km s-min=16.0km az=140.0

ATH 31 04:13:37.9, 37.85N, 26.43E, h9km, 1km, ML3.9/6, Longitude uncertainty: 1 km, ISK 31 04:13:38.5, 37.91N, 26.52E, h18km, ML3.8/5/3

AFAD 31 04:13:38.4, 37.90N, 26.51E, h6km, 2km, MW4.1, THE 31 04:13:38.7, 38.1N, 27.7E, h0km, 8km, M3.8/4, MLh3.8/4

ISC 31 04:13:38.2±1.0, 37.88N, 0.02, 26.49E, 0.02, h8km, 8km, n100, c074/123, mb3.7/3, Dodecanese Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KRLI Karlovasi Samo, DGB zmir, etc.

ISK 31 04:16:57.5, 37.86N, 26.43E, h4km, ML3.3/14, AFAD 31 04:16:57.7, 37.85N, 26.47E, h7km, 3km, ML2.9

ATH 31 04:16:57.6, 37.91N, 26.52E, h16km, 1km, ML3.0/8, Latitude uncertainty: 1 km, Longitude uncertainty: 2 km

THE 31 04:16:58.4, 38.1N, 27.6E, h17km, 8km, M2.9/12, MLh2.9/12

ISC 31 04:16:57.8±1.1, 37.91N, 0.02, 26.47E, 0.02, h17km, 8km, n79, c192/197, Dodecanese Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KRLI Karlovasi Samo, ZEYI Zmir, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like YER GORD, GORD Gordes-Manisa, etc.

ISK 31 04:16:57.5, 37.86N, 26.43E, h4km, ML3.3/14, AFAD 31 04:16:57.7, 37.85N, 26.47E, h7km, 3km, ML2.9

ATH 31 04:16:57.6, 37.91N, 26.52E, h16km, 1km, ML3.0/8, Latitude uncertainty: 1 km, Longitude uncertainty: 2 km

THE 31 04:16:58.4, 38.1N, 27.6E, h17km, 8km, M2.9/12, MLh2.9/12

ISC 31 04:16:57.8±1.1, 37.91N, 0.02, 26.47E, 0.02, h17km, 8km, n79, c192/197, Dodecanese Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KRLI Karlovasi Samo, ZEYI Zmir, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KRBN Marmaro, Chios, etc.

ISK 31 04:21:50.9, 37.86N, 26.98E, h20km, ML2.6/31, AFAD 31 04:21:50.9, 37.82N, 26.89E, h7km, 3km, ML2.5

ISC 31 04:21:51.2±1.0, 37.85N, 0.03, 26.94E, 0.04, h17km, 7km, n37, c042/47, Dodecanese Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DGB zmir, etc.









Table with columns: Code, Station Name, Az, El, P, S, Res, and other parameters. Includes stations like MJAR, MAJO, MJB9, etc.

Table with columns: Code, Station Name, Az, El, P, S, Res, and other parameters. Includes stations like KASTN, PRU, MOX, etc.

Table with columns: Code, Station Name, Az, El, P, S, Res, and other parameters. Includes stations like AYDN, TAsoluk, KALYMNOS, etc.

ISK 31 05:22:15.9, 37°18'N-26°30'E, h3km, ML3.8/39
IDC 31 05:22:16.4, 0.8, 37°66'N-26°89'E, h0km, mb3.7/4,
mbmp3.6/11, ML3.2/6, Error ellipse: s-maj=15.1 km
s-min=10.8km az=137.0
THE 31 05:22:16.6, 38°1'N x 2°7'E, h6km, d4km, M3.6/17,
ML3.6/17
AFAD 31 05:22:16.4, 37°84'N-26°82'E, h8km, 3km, MW3.8
ATH 31 05:22:16.4, 37°83'N-26°77'E, h13km, 1km, ML3.6/12,
Latitude uncertainty: 0 km; Longitude uncertainty: 1 km
ISC 31 05:22:16.8, 0.8, 37°83'N-02°26'80E, 0.02, h10km, 6km,
n122, 0°09'151, mb' 23.7, Dodecanese Islands

Table with columns: Code, Station Name, Az, El, P, S, Res, and other parameters. Includes stations like KRLI, DGB, etc.

Table with columns: Code, Station Name, Az, El, P, S, Res, and other parameters. Includes stations like AYDN, TAsoluk, etc.















Main table containing flight schedules with columns for flight number, destination, time, status, and other details. Includes sub-sections like '31d 5h', '2020 OCT', and '1854'.



31d 5h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like AF1 Afiamalu, DEL Delary, MOS Moscow, etc.

2020 OCT

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KK31 Karatay Array, KK31 Karatay Array, KK31 Karatay Array, etc.

1856

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KHC Kasperske Hory, KHC Kasperske Hory, GRC1 Grafenberg Arr, etc.











Table with columns: Station Name, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like Nemuro 2, Misakicho, Rausu, Ashorobuto, etc.

MEX 31 06:52:00.4±0.6, 16°27'N, 98°09'W, h12km, 3km, MD3.6. Presumed earthquake, Near coast of Guerrero. Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC.

MEX 31 06:52:11.0±0.6, 16°25'N, 98°14'W, h12km, 4km, MD3.6. Presumed earthquake, Near coast of Guerrero. Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC.

SJA 31 06:52:21.0±0.6, 31°97'S, 67°41'W, h128km, 2km, ML3.5, MW3.6, San Juan Province. Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC.

Main table with columns: Station Name, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like ARCO CERRO ARCO, RTLS Leocito, AAGR Agrelo, AVIZ Vizcacheras, etc.

Table with columns: Station Name, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like ZEYE, DDIM Aydin, Didim, BLCB Balcova, etc.

NNC 31 06:59:35.0±2.7, 49°96'N, 78°43'E, h0km, mb2.6, mpv2.0. Error ellipse: s-maj=43.5km s-min=12.0km az=85.0. Suspected Mining explosion.

IDC 31 06:59:36.6±1.6, 50°05'N, 78°75'E, h0km, mbtmp2.4/2, ML1.9/2. Error ellipse: s-maj=20.6km s-min=10.4km az=65.0.

ISC 31 06:59:31.5±3.9, 50°03'N, 06°77'E, 0.3, h0km, m7, #043/10, 3C-3D, Eastern Kazakhstan. Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like KURBB Kurchatov Arra, KURBB Kurchatov Arra, etc.

SJA 31 07:02:25.0±0.7, 21°24'S, 68°87'W, h122km, 5km, ML3.4, MW3.6. GUC 31 07:02:26.6±0.7, 21°24'S, 68°79'W, h108km, 4km, ML3.5.

Presumed earthquake
ISC 31 07:02:26.6:1.6,21.225S,0.03:68.85W,0.07,
h112km,12km,n29,c0571/53,Chile-Bolivia border region

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time Res, ISC, h m s, ISC. Lists various seismic stations and their recorded data for the Chile-Bolivia border region earthquake.

IDC 31 07:11:29.0:1.9,7.90S,129.30E,h0km,mb3.4/1,
mbtmp3.6/5,ML3.6/4,MS3.1/1,Error ellipse: s-maj=23.2km
s-min=17.8km,az=54.0

ISC 31 07:11:31.9:1.2,8.31S,0.10:129.48E:0.09,h35km,n12,
a1538/14,Timor Sea

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time Res, ISC, h m s, ISC. Lists various seismic stations and their recorded data for the Timor Sea earthquake.

FUNV 31 07:12:22.8:8.49N,71.34W,h4km,MW3.1,Presumed
earthquake

RSNC 31 07:12:24.5:0.6,8.7N,2.7W,2,h24km,8km,M2.4,mb3.2,
ML2.2

ISC 31 07:12:22.1:1.2,8.39N,0.03:71.24W:0.03,h4km,10km,
n19,c0158/36,Venezuela

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time Res, ISC, h m s, ISC. Lists various seismic stations and their recorded data for the Venezuela earthquake.

Table with columns: SDV, CAPV, CAPV, TAME, Arauca, Ocaña, Terepaima, Barichara, Barrancabermej, Carrejon, Guaj, La Rusia, Macapo, Uribia, Colomb, PUERTO BERRIO, Beln, Turiamo, San Jacinto, C, Puerto Gaitan, San Jos de Ur, Chingaza. Lists stations in the TAME region.

ISK 31 07:14:18.9,37.88N,26.97E,h21km,ML2.4/17
THE 31 07:14:19.6,38.7N,2.27E,1,h10km,5km,M2.76,
MLh2.7/6

AFAD 31 07:14:19.6,37.87N,26.97E,h7km,2km,ML2.6
ISC 31 07:14:18.5:1.2,37.86N,0.02:26.97E:0.03,h16km,10km,
n34,c0566/51,Dodecanese Islands

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time Res, ISC, h m s, ISC. Lists various seismic stations and their recorded data for the Dodecanese Islands earthquake.

NDI 31 07:19:21.3:1.4,22.02N,79.54E,h33km,11km,ML3.3,
MW3.6,Presumed earthquake,Southern India

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time Res, ISC, h m s, ISC. Lists various seismic stations and their recorded data for the Southern India earthquake.

Table with columns: AKL, comp=E,117nm,0.2s, IAML, 07 20 42.2. Lists stations in the AKL region.

IDC 31 07:20:37.9:1.1,9.44N,8.42W,h0km,mb4.0/11,
mbtmp4.1/13,ML4.4/2,MS3.6/3,Error ellipse:
s-maj=23.6km s-min=13.3km,az=52.0

NEIC 31 07:20:38.8:1.1,9.4N,0.1:8.6W:0.1,h10km,1km,
mb4.5/12,Error ellipse: s-maj=21.8km s-min=15.2km
az=213.0

ISC 31 07:20:40.3:0.8,9.54N,0.08:8.13W:0.10,h10km,n38,
a1507/35,mb4.3/14,1C,Guinea region

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time Res, ISC, h m s, ISC. Lists various seismic stations and their recorded data for the Guinea region earthquake.

AFAD 31 07:21:51.0,37.81N,27.01E,h8km,6km,ML3.2
ISK 31 07:21:52.0,37.81N,27.01E,h9km,ML3.3/31
THE 31 07:21:52.6,38.7N,2.7E,1,h0km,3km,M3.4/5,MLh3.4/5
ATH 31 07:21:52.0,37.79N,27.06E,h13km,1km,ML3.6/7,
Latitude uncertainty: 1 km; Longitude uncertainty: 1 km

ISC 31 07:21:52.4:0.8,37.80N,0.02:27.01E:0.02,h14km,6km,
n68,c0564/83,Turkey

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time Res, ISC, h m s, ISC. Lists various seismic stations and their recorded data for the Turkey earthquake.



Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Modulation, Bandwidth, Power, and other technical details for stations like Karlovasi Samo, zmir, Balcovia, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Modulation, Bandwidth, Power, and other technical details for stations like izmir, Balcovia, Bodrum, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Modulation, Bandwidth, Power, and other technical details for stations like Karystos, Thira Island, Santorini-Thir, etc.

AFAD 31 07:29:42.0, 37°82'N, 26°47'E, h19km, 9km, ML3,5
ISK 31 07:29:43.2, 37°81'N, 26°47'E, h11km, ML3,5/26
IDC 31 07:29:44.2, 1.6, 37°85'N, 26°51'E, h0km, mb3,0/3,
mbmp3,5, ML3,1/2, MS2,9/3, Error ellipse: s-maj=28.6km
s-min=16.9km az=155.0
THE 31 07:29:44.5, 38°1'N, 2°7'E, h3km, 3km, M3,4/23,
ML3,4/23
ATH 31 07:29:44.3, 37°87'N, 26°47'E, h14km, 1km, ML3,5/19,
Latitude uncertainty: 0 km; Longitude uncertainty: 1 km
ISC 31 07:29:44.1±1.0, 37.83N, 02.2650E±0.02, h7km, 6km,
n112, s119/146, Dodacanese Islands

Code Station Name Azimuth Elevation Frequency Modulation Bandwidth Power
KRL1 Karlovasi Samo 0.17 102 P Sg 07 29 48.9 +1.4
DGB zmir 0.38 53 S Sg 07 29 57.3 +1.0
DGB comp=N,5um,0.3s IAML 07 29 58.0
DGB comp=E,4um,0.6s IAML 07 29 58.0
ZEVE Izmir, Urla-Ze 0.41 0 P Pg 07 29 51.8 -0.2
ZEVE comp=N,8um,0.3s IAML 07 29 58.0
ZEVE comp=E,7um,0.2s IAML 07 29 58.0
GMLD Gumuldur 0.41 53 S Sg 07 29 58.2 +0.8
GMLD 07 29 52.3 +0.3
GMLD 07 29 58.5 +1.1

AFAD 31 07:34:04.5, 37°89'N, 26°89'E, h7km, 6km, ML2,2
ISK 31 07:34:05.1, 37°90'N, 26°95'E, h8km, ML2,5/15
ISC 31 07:34:04.5±1.1, 37.89N, 02.2689E±0.04, h6km, 9km,
n211, s082/31, Dodacanese Islands
Code Station Name Azimuth Elevation Frequency Modulation Bandwidth Power
DGB zmir 0.16 359 Op P Sg 07 34 05.3 -2.5
DGB 07 34 10.8 +0.6
DGB 07 34 19.0
DGB comp=N,762nm,0.5s IAML 07 34 19.0
DGB comp=E,510nm,0.4s IAML 07 34 19.0
GMLD Gumuldur 0.19 7 P Sg 07 34 09.2 +0.9
GMLD 07 34 12.6 +1.7
KUSD Kusadasi-Aydin 0.32 95 P Sg 07 34 10.8 0.0
KUSD 07 34 15.1 +0.1
GCAM G?zelcaml? 0.33 124 P Sg 07 34 11.3 +0.3
GCAM 07 34 15.9 +0.5
GCAM 07 34 11.2 +0.2
GCAM 07 34 15.5 +0.1
GCAM 07 34 16.0
GCAM comp=E,458nm,0.3s IAML 07 34 16.0
GCAM comp=N,398nm,0.4s IAML 07 34 16.0
BEYE Izmir 0.34 5 P Sg 07 34 11.7 +0.5
BEYE 07 34 16.1 +0.4
BEYE 07 34 24.0
BEYE comp=N,215nm,0.3s IAML 07 34 24.0
BEYE comp=E,265nm,0.3s IAML 07 34 24.0
ZEVE Izmir, Urla-Ze 0.46 319 P Sg 07 34 13.4 -0.1
ZEVE 07 34 18.7 -0.9
ZEVE 07 34 20.0
ZEVE comp=N,332nm,0.4s IAML 07 34 22.0
ZEVE comp=E,291nm,0.2s IAML 07 34 15.1 +0.7
DUVT Torbali 0.55 53 P Sg 07 34 15.1 -0.1
DUVT 07 34 21.0 -1.5
DUVT 07 34 23.0
DUVT comp=E,92nm,0.3s IAML 07 34 20.2 +0.2
KRBN Karaburun 0.75 340 P Sg 07 34 22.5 +0.6
KRBN 07 34 30.4 +0.3
BAGT Foa 0.77 358 P Sg 07 34 42.0
BAGT 07 34 42.0
BAGT comp=E,182nm,0.5s IAML 07 34 42.0





31d 8h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like AKHS, KTTT, DAT, KIRA, YER.

NEIC 31 08:28:58.7 1.1, 19:05:0:1x173:22W:0:09, h10km, 1km, mb4.3/11, Error ellipse: s-maj=18.4km s-min=13.3km

IDC 31 08:29:03.4 1.6, 19:04:5:174:03W, h0km, mb3.9, 5, mbmp3.9/5, Error ellipse: s-maj=50.5km s-min=38.2km

ISC 31 08:28:58.8 0.8, 19:15:0:1x173:30W:0:10, h10km, n21, s147/22, mb4.2/10, Tonga Islands

Main table for 31d 8h section, listing stations like NIUE, FUTO, RUA, etc. with their respective codes and data.

AFAD 31 08:29:30.8, 37:88N-26:84E, h7km, 1km, ML2.3

ISC 31 08:29:31.3, 37:89N-26:89E, h6km, ML2.6/24

ISC 31 08:29:31.5, 1.0, 37:89N-26:88E:0:04, h11km, 8km, n29, s049/37, Decadecase Islands

Main table for 31d 8h section, listing stations like DGB, GMLD, KUSD, etc. with their respective codes and data.

IDC 31 08:36:36.6 0.8, 37:76N:26:92E, h0km, mb3.8/8, mbmp3.6/13, ML3.3/4, Error ellipse: s-maj=14.0km

2020 OCT

ATH 31 08:36:37.6, 37:84N-26:72E, h12km, 1km, ML3.5/19, Latitude uncertainty: 0 km; Longitude uncertainty: 1 km

ISC 31 08:36:37.9, 37:85N-26:76E, h15km, ML3.7/23

ISC 31 08:36:38.1, 0.8, 37:83N-26:73E:0:02, h15km, 5km, n143, s190/22, mb3.7/7, 13C-9D, Decadecase Islands

Main table for 2020 OCT section, listing stations like KRLI, DGB, GMLD, etc. with their respective codes and data.

1866

Main table for 1866 section, listing stations like KARY, DALY, ARG, etc. with their respective codes and data.

GLI 31 08:37:50.6 0.0, 26:903N:0:004:34:792E:0:002, h0km, MWS2.6, confirmed

HLW 31 08:37:50.7 26:73N-35:03E, h24km, 5km, M13.0











Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like SKR Severo-Kuril's, PAU Pauzhetka, KOTR Khodutka, etc.

Table with columns: SII, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like SII Sitkinak Islan, SII Sitkinak Islan, SII Sitkinak Islan, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like TXAR Lajitas Array, TXAR Lajitas Array, TXAR Songoing Array, etc.

IDC 31 09:08:17.9.3.4, 0.55N, 129.66E, h0km, mb3.4/4, mbtmp3.5/4, Error ellipse: s-maj=280.9km s-min=23.7km az=070, Halmahera

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makani Array, etc.

IDC 31 09:17:04.2.4.0, 61.15N, 152.34W, h90km, 36km, mb2.7/3, mbtmp3.1/5, Error ellipse: s-maj=108.5km s-min=18.6km az=102.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like I43RU DUBNA INFRASON, I31ZK AKTYUBINSK INF, I46RU ZALESOVO INFRA24.58, etc.

IDC 31 09:17:06.0.9.61, 08.9.61, 108N.0.03:151.18W:0.03, h66km, 7km, n153, 0875/170, mb4.1/21, South of Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like CAPN Captain Cook N, SPU Mount Spurr, SPU Spurr Chukcha, etc.

NEIC 31 09:10:49.3.0.9, 54.52N, 159.66W, 0.07, h29km, 4km, mb4.0/24, ML3.7/28, ML3.4(AEIC), Error ellipse: s-maj=9.1km s-min=4.5km az=150.0

AEIC 31 09:10:50.3.1.1, 54.54N, 159.67W, 0.05, h23km, 4km, mbmp4.0/19, ML4.0/3, Error ellipse: s-maj=29.2km s-min=14.8km az=157.0

IDC 31 09:10:49.4.0.7, 54.54N, 159.67W, 0.04, h36km, 1km, n164, 0805/169, mb4.1/21, South of Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like CNBA Chernabura Isl, CHNA Chernabura Isl, SDPT Sand Point, etc.

IDC 31 09:14:26.1.1.1, 59.22N, 148.14W, 0.03, h14km, 2km, n159, 0827/170, mb4.1/21, South of Alaska

IDC 31 09:14:26.1.1.1, 59.22N, 148.14W, 0.03, h14km, 2km, n159, 0827/170, mb4.1/21, South of Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like O28M Mount Spurr, PNL Peninsula, SCRR Sand Creek, etc.

IDC 31 09:14:26.1.1.1, 59.22N, 148.14W, 0.03, h14km, 2km, n159, 0827/170, mb4.1/21, South of Alaska

IDC 31 09:14:26.1.1.1, 59.22N, 148.14W, 0.03, h14km, 2km, n159, 0827/170, mb4.1/21, South of Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like DLBC Dease Lake, DLBC Shelton Lake, H31M Peeli River, etc.

31d 9h

Table with columns: SML, SML, SML, CNPM, N19K, M19K, P19K, O19K, M23K, PPLA, PPLA, L20K, L20K, SCM, SCM, GLI, AUW, L19K, L19K, WAT7, WAT1, P23K, P23K, WAT6, M19K, FID, N18K, CAST, CAST, HIN, HIN, HIN, TRF, TRF, Q19K, KTH, KTH, KLU, KLU, RND, RND, DIV, P18K, K20K, DHY, DHY, MCK, MCK, MCK, BPAW, BPAW, BPAW, M17K, M17K, M17K, Q18K, KAR, HARP, HARP, BMRM, BMRM, P17K, KAWH, RAGM, PAX, PAX, KDAK, KDAK, KDAK, KDAK, J20K, J20K, J20K, WACK, WASW, J18K, L17K, GLB, GLB, J19K, NEA2, Q17K, VRDI, VRDI, K17K, K17K, N16K, M16K, CCB, CCB, KHIT, MLY, MLY, RIDG, RIDG, RIDG, MENT, MENT, PS08, OHAK

2020 OCT

Table with columns: COLA, WAX, WAX, I21K, I23K, I23K, L26K, L26K, L26K, IL31, ILAR, ILAR, ILAR, ILAR, DOT, DOT, J17K, J17K, POKR, SCRK, SCRK, J25K, J25K, J25K, N15K, N15K, N15K, GRNC, GRNC, GRNC, BARN, BARN, BARN, H21K, YAH, YAH, YAH, H23K, H22K, H22K, LOGN, LOGN, LOGN, H24K, H24K, IMAR, K15K, K15K, PRP, PRP, PRP, H18K, O28M, O28M, O28M, L14K, L26K, G24K, G24K, G25K, DAWY, F21K, I27K, F19K, HYT, I28M, H27K, P29M, F25K, BMAR, BM01, G27K, I29M, J30M, H29M, F28M, NVAR, PDAR, TXAR

1872

Table with columns: BLCB, BLCB, BLCB, ZEVE, ZEVE, ZEVE, DIDI, DIDI, DAGE, DAGE, DAGE, CESE, CESE, CESE, AYOB, AYOB, AYDN, AYDN, AYDN, YKAV, YKAV, YKAV, BAGT, BAGT, BAGT, KRBN, KRBN, ZMIR, ZMIR, ZMIR, IZMR, IZMR, IZMR, BODT, BODT, BODT, BODT, BODT, MLSB, MLSB, FOCM, FOCM, BDRM, BDRM, BDRM, CHOS, CHOS, CHOS, CHOS, CHOS, BOS, BOS, KARB, KARB, KARB, CAMT, CAMT, CAMT, NAZL, NAZL, NAZL, ESEN, ESEN, ESEN, ZEDA, ZEDA, ZEDA, GOMA, GOMA, GOMA, KIRA, KIRA, KIRA, AKS, AKS, AKS, AKS, AKS, AKS, DAT, DAT, DAT, YER, YER, YER, SOMA, SOMA, SOMA, MANT, MANT, MANT, GORD, GORD, GORD, AYVA, AYVA, AYVA, AYVA, AYVA, PRK, PRK, PRK, TURN, TURN, TURN, TURN, TURN, TURN, KARY, KARY

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like BEYE, GCAM G?zelcaml?, KUSD Kusadasi-Aydin, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like GCAM izmir, ZEYI Izmir, Urta-Ze, DDIM Aydin, Didim, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like CHOS zmir-Karabur, BODT Bodrum, MLSB Milas, etc.

ISK 31 09:22:57.7, 37:86N-26:88E, h10km, ML2.9/23
AFAD 31 09:22:57.0, 37:89N-26:90E, h13km, ML3.0
THE 31 09:22:58.4, 38°N-72°E, h5km, 10km, M3.2/5, ML3.2/5

ISK 31 09:22:58.0, 37:87N-02:26:88E, 0.03, h14km, g6km, n41, c0542/59, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like DGB zmir, GMLD Gumuldir, KUSD Kusadasi-Aydin, etc.

ISK 31 09:27:41.9, 37:90N-26:96E, h5km, ML2.6/31
AFAD 31 09:27:41.5, 37:89N-26:94E, h7km, 2km, ML2.5
ISK 31 09:27:42.2, 0.9, 37:90N-02:26:95E, 0.03, h10km, 7km, n42, c0572/57, Dodecanese Islands

Code Station Name Azimuth Elevation Phase ID Time Res

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like DGB zmir, GMLD Gumuldir, KUSD Kusadasi-Aydin, etc.

ISK 31 09:41:12.4, 1.3, 53:21N-160:18W, h0km, mb3.7/5, mbtmp3.7/8, ML3.7/3, Error ellipse: s-maj=27.2km s-min=19.4km az=177.0

NEIC 31 09:41:13.4, 1.3, 53:38N-0:06:160:07W, 0.07, h10km, 2km, mb3.8/18, ML3.7/16, ML3.5(AEIC), Error ellipse: s-maj=11.3km s-min=7.1km az=164.0

AEIC 31 09:41:16.2, 1.2, 53:35N-0:07:160:02W, 0.09, h34km, 4km, Error ellipse: s-maj=11.4km s-min=6.8km az=156.0

ISC 31 09:41:12.0, 2.7, 53:43N-0:07:160:15W, 0.04, h3km, 17km, n149, c128/165, mb3.9/5, South of Alaska

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like DGB zmir, GMLD Gumuldir, KUSD Kusadasi-Aydin, etc.

31d 10h

Table with columns: Code, Station Name, A°, AZ°, Phase, ID, Time, Res. Includes stations like Chernabura Isl, Sand Point, Dolgoi Island, Dutton Round H, etc.

2020 OCT

Table with columns: M29M, Somme Creek, I26K, Coal Creek Min, G24K, Hadweezic Riv, L29M, L29M, etc. Includes various creek and river stations.

1874

Table with columns: DGTI, Dogotuki, RAO, Raoul Island, RAO, Raoul Island, RAO, Raoul Island, etc. Includes various island and coastal stations.



Table with columns for station name, location, frequency, and other technical details. Includes stations like BRAT Ballarat, AMUTC Mt Clear Colle, STKA Stephens Creek, etc.

Table with columns for station name, location, frequency, and other technical details. Includes stations like SANI Sanana, BLDU Ballidu, MORW Morawa, etc.

Table with columns for station name, location, frequency, and other technical details. Includes stations like VNA2, GHO Glory Hole Cre, CAST Castle Rocks, etc.

31d 10h

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC. Includes stations like Mount Meron Ar, Jurulivoa, Bucovina Ar, etc.

2020 OCT

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC. Includes stations like Wattenberg, Sanik Quirin, Abfalterbach, etc.

1876

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC. Includes stations like Petropavlovsk, Belgrano 2, Ussuriysk Arr, etc.



31d 11h

IDC 31 11:02:53.6; 1.8, 37:78N; 27.03E, h0km, mb3.4/3, mbmp3.3/5, ML3.4/2, Error ellipse: s-maj=41.1km s-min=23.9km az=148.0

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, ISC. Lists various stations like zmir, Karlovasi Samo, Gumludur, Kusanadi-Aydin, etc.

2020 OCT

Main table with columns: DAT, Station Name, Az, Phase ID, ISC, Time, Res, ISC. Lists stations like Datca, Yerkelik, Astypalaia, Manisa, etc.

1878

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, ISC. Lists stations like Bodrum, Milas, Karabur, etc.











Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like Karaburun, Aydin, Didim, Bodrum, Marmaris, etc.

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like Cameli-Denizli, Platees, Loutraki, Anoyia, Kalavryta, etc.

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like Balikesir, Acipayam-Deniz, Thira Island, Karystos, etc.



1885

Table with columns: ZEYE, IZMIR, URLA-ZE, 0.35 342, P, Pg, 12 37 10.6 -0.6, MSBI, RMNI, RMNI, ASF, JabaI al Asfar, 10.16 121, S, Pn, 12 41 08.9 -3.5, NAZL, GOMA, GOMA, DKL, DKL, DAT, YER, SOMA, SOMA, GORD, GORD, TURN, TURN, 1.17 42, Pn, Pn, 1.23 360, Pn, Pn, 1.23 154, Pn, Pn, 1.40 20, Pn, Pn, 1.46 43, Pn, Pn, 1.50 135, Pn, Pn, 12 53 19.2 0.0, 12 53 20.6 0.0, 12 53 20.9 +0.7, 12 53 21.7 -0.3, 12 53 23.1 -0.1, 12 53 23.8 -0.4, 12 53 24.7 -0.2

2020 OCT

Table with columns: MSBI, RMNI, RMNI, ASF, JabaI al Asfar, 10.16 121, S, Pn, 12 41 08.9 -3.5, NAZL, GOMA, GOMA, DKL, DKL, DAT, YER, SOMA, SOMA, GORD, GORD, TURN, TURN, 1.17 42, Pn, Pn, 1.23 360, Pn, Pn, 1.23 154, Pn, Pn, 1.40 20, Pn, Pn, 1.46 43, Pn, Pn, 1.50 135, Pn, Pn, 12 53 19.2 0.0, 12 53 20.6 0.0, 12 53 20.9 +0.7, 12 53 21.7 -0.3, 12 53 23.1 -0.1, 12 53 23.8 -0.4, 12 53 24.7 -0.2

31d 12h

Table with columns: Code, Station Name, A° AZ, Phase ID, Time Res, h m s, ISC, 12 53 01.1 -0.4, 12 53 04.0, 12 53 04.5 0.0, 12 53 01.8 -0.1, 12 53 05.9 +0.7, 12 53 02.9 0.0, 12 53 02.6 -0.4, 12 53 08.2 -0.8, 12 53 09.0, 12 53 09.0, 12 53 02.7 -0.3, 12 53 07.0 -0.1, 12 53 04.0 -0.7, 12 53 10.3 +0.5, 12 53 14.0, 12 53 17.0, 12 53 07.7 -0.1, 12 53 15.8 +0.2, 12 53 20.0, 12 53 22.0, 12 53 10.8 -0.1, 12 53 12.4 0.0, 12 53 11.9 -0.2, 12 53 12.0 -0.3, 12 53 25.0, 12 53 25.2 -0.6, 12 53 26.0, 12 53 12.8 -0.2, 12 53 12.7 -0.4, 12 53 24.9 +0.8, 12 53 27.0, 12 53 32.0, 12 53 13.6 0.0, 12 53 14.4 +0.2, 12 53 13.9 0.0, 12 53 14.1 -0.2, 12 53 13.7 -0.9, 12 53 27.5 +0.5, 12 53 29.0, 12 53 29.0, 12 53 15.7 0.0, 12 53 29.8 -0.2, 12 53 34.0, 12 53 36.0, 12 53 17.9 -0.1





MORW	comp=Z,6.8nm,0.8s	I Amb	I Amb	13 46 13.6	
FORT	Forrest	23.99 174	P	P	13 46 15.4 +0.7
FORT	comp=Z,1.0nm,0.9s	I Amb	I Amb	13 46 26.6	
CTAO	Charters Tower	24.36 125	P	P	13 46 18.6 +0.4
CTAO	comp=Z,1.1nm,1.4s	I Amb	I Amb	13 46 52.1	
SDSI	Sungai Dareh	24.36 283	P	P	13 46 18.2 -0.1
DLV	Lat	24.94 318	P	P	13 46 34.0 +1.0
BLDU	Baliddu	24.96 197	P	P	13 46 24.4 +1.1
INKA	Innaminka	25.53 146	P	P	13 46 29.7 +1.4
KLBR	Kellerberrin	25.59 195	P	P	13 46 29.8 +0.9
QLP	Quilpie	26.77 139	P	P	13 46 40.2 +0.9
NWAO	Narrogin (SRO)	26.99 195	P	P	13 46 41.3 +0.2
NWAO	comp=Z,2.0nm,0.3s,baz=19,slow=9.1,SNR=10				
NWAO	Narrogin (SRO)	26.99 195	P	P	13 46 42.0 +0.8
NWAO	Narrogin (SRO)	26.99 195	P	P	13 46 41.7 +0.6
NWAO	Narrogin (SRO)	26.99 195	P	P	13 46 41.4 +0.2
KULM	Kulim	27.24 296	P	P	13 46 43.5 -0.2
KULM	comp=Z,1.0nm,1.2s	I Amb	I Amb	13 47 09.9	
PBSI	Pulau Batu	27.63 283	P	P	13 46 45.3 -1.7
BBOO	Buckleboo	27.78 160	P	P	13 46 48.5 +0.4
BBOO	Buckleboo	27.78 160	P	P	13 46 48.1 0.0
BBOO	comp=Z,2.7nm,1.4s	I Amb	I Amb	13 46 53.7	
RPSI	Rantau Prapat	27.82 289	P	P	13 46 48.8 0.0
RPSI	comp=Z,1.6nm,0.8s	I Amb	I Amb	13 46 50.4	
RPSI	Rantau Prapat	27.82 289	P	P	13 46 49.1 +0.4
GSI	Gunungsitoli	28.67 285	P	P	13 46 55.0 -1.1
GSI	comp=Z,2.4nm,0.9s	I Amb	I Amb	13 46 56.7	
KCSI	Kotacane, Aceh	29.19 290	P	P	13 46 59.8 -0.8
STKA	Stephens Creek	29.28 150	P	P	13 47 01.2 +0.1
STKA	comp=Z,5.6nm,1.5s				
STKA	Stephens Creek	29.28 150	P	P	13 47 01.3 +0.1
STKA	comp=Z,4.7nm,0.5s,baz=324,slow=9.5,SNR=18				
STKA	Stephens Creek	29.28 150	P	P	13 47 01.5 +0.4
STKA	comp=Z,2.0nm,0.8s,baz=37,slow=20,SNR=2.8				
STKA	Stephens Creek	29.28 150	P	P	13 47 02.0 +0.9
STKA	comp=Z,4.7nm,0.5s				
STKA	Stephens Creek	29.28 150	P	P	13 47 01.3 +0.1
STKA	Stephens Creek	29.28 150	P	P	13 47 01.5 +0.4
HTT	Hallett	29.40 156	P	P	13 47 03.5 +1.3
TPUB	Ta-pu	30.26 352	P	P	13 47 07.1 -2.6
CMSA	Cobar Meteorol	31.20 145	P	P	13 47 19.1 +1.5
CMSA	Cobar Meteorol	31.20 145	P	P	13 47 18.6 +1.0
CMSA	comp=Z,5.1nm,0.6s				
ARMA	Armidale	34.19 137	P	P	13 48 49.6 -0.8
NGAO	Tingoa Renbel	34.77 100	P	P	13 47 53.9 +0.8
TOO	Tootaling	35.77 152	P	P	13 47 52.7 +4.7
TOO	comp=Z,1.1nm,1.4s	I Amb	I Amb	13 47 56.8 +0.9	
CAN	Canberra	35.85 146	P	P	13 47 57.5 +0.8
CAN	Canberra	35.85 146	P	P	13 47 58.3 +1.6
CMAR	Chiang Mai Arr	36.04 315	P	P	13 47 59.2 +0.7
CMAR	comp=Z,1.8nm,0.6s,baz=131,slow=8.1,SNR=20				
CMAR	Chiang Mai Arr	36.04 315	P	P	13 50 09.5 +0.3
CMAR	comp=Z,1.6nm,0.6s,baz=135,slow=3.0,SNR=11				
CMAR	Chiang Mai Arr	36.04 315	P	P	13 50 01.3 -1.1
CHTO	Chiang Mai	36.28 315	P	P	13 48 00.3 -0.1
CHTO	Chiang Mai	36.28 315	P	P	13 48 00.5 +0.1
WHN	Wuhan	38.57 345	P	P	13 48 20.0 +1.2
NJ2	Nanjing	39.12 352	eP	pmax	13 48 24.0 +0.7
NJ2	comp=Z,1.4nm,0.5s				
ENH	Enshi	39.82 339	P	P	13 48 28.7 -0.3
MORE	Moreh	43.10 317	P	P	13 48 54.6 -0.4
MORE	comp=Z,8.6nm,1.1s	I Amb	I Amb	13 48 55.5	
MARS	Mare, Loyalty	43.90 114	P	P	13 49 01.2 0.0
KSRS	Korea Aray	44.12 3	P	P	13 49 03.4 +0.8
KSRS	comp=Z,2.3nm,0.8s,baz=186,slow=9.4,SNR=8.3				
KSRS	Korea Aray	44.12 3	P	P	13 50 35.0 -0.2
MJAR	Matsushiro Arr	44.84 15	P	P	13 49 07.2 -1.1
MJAR	comp=Z,1.1nm,0.6s,baz=164,slow=2.9,SNR=4.7				
MJAR	Matsushiro Arr	44.84 15	P	P	13 49 07.2 -1.1
MJAR	comp=Z,3.2nm,0.8s,baz=188,slow=8.9,SNR=9.9				
MJB9	Matsu-Tunnel	44.85 15	P	P	13 49 06.0 -2.3
MJB9	comp=Z,1.2nm,1.2s	I Amb	I Amb	13 49 10.8	
LZH	Lanzhou	47.14 336	eP	pmax	13 49 26.3 +0.5
LZH	comp=Z,2.1nm,1.3s				
HHC	Hu-ho-hao-te	49.05 346	eP	pmax	13 49 43.3 +3.4
HHC	comp=Z,7.0nm,0.6s				
HHC	comp=Z,7.1nm,0.4s				
USRK	Ussuriysk Ar.	51.16 6	P	P	13 49 54.4 -0.7
USRK	comp=Z,4.1nm,0.8s,baz=173,slow=2.5,SNR=5.9				
GOMU	GeErMu	51.40 328	P	P	13 49 57.0 -0.4
GOMU	comp=Z,2.0nm,0.4s				
GTA2	Gaotai	51.72 335	P	P	13 50 00.0 +0.6
GTA2	comp=Z,8.0nm,0.8s				
RPZ	Rata Peaks	54.39 140	P	P	13 50 18.8 +0.6
RPZ	comp=Z,3.8nm,1.1s	I Amb	I Amb	13 50 20.1	
HILR	Hailar Array B	56.34 356	P	P	13 50 32.4 +0.8
HILR	comp=Z,2.9nm,0.4s,baz=183,slow=11,SNR=2.6				
HEH	HeiHe	56.88 2	eP	pmax	13 50 35.5 +0.3
HEH	comp=Z,1.4nm,0.8s				
SONM	Songiro Array	56.88 345	P	P	13 50 36.2 +0.7
SONM	comp=Z,2.7nm,0.8s,baz=161,slow=7.1,SNR=12				
SONM	Songiro Array	56.88 345	P	P	13 51 23.2 +0.3
SONM	comp=Z,0.8nm,0.7s,baz=145,slow=5.3,SNR=2.1				
SONM	Songiro Array	56.88 345	P	P	13 50 35.4 0.0
WMQ	Urungi	60.71 330	eP	pmax	13 51 02.5 +1.4
WMQ	comp=Z,1.6nm,0.9s				
KSH2	Kashi	64.75 319	P	P	13 51 28.0 +0.6
KSH2	comp=Z,4.0nm,0.7s				
MKAR	Makanchi Array	65.52 329	P	P	13 51 32.2 +0.3
MKAR	comp=Z,3.9nm,0.4s,baz=132,slow=5.9,SNR=7.1				
MAKZ	Makanchi	65.69 329	P	P	13 51 33.3 +0.4
PEAOB	Petropavlovsk-K	65.77 21	P	P	13 51 32.9 -0.4
PEAOB	comp=Z,3.9nm,0.4s	I Amb	I Amb	13 51 57.8	
PETK	Petropavlovsk-K	65.77 21	P	P	13 51 33.6 +0.4
PETK	comp=Z,5.5nm,0.8s,baz=223,slow=7.5,SNR=9.3				
PETK	Petropavlovsk-K	65.77 21	P	P	13 51 31.5 -1.7
ZAAO	Zalesovo Array	69.37 336	P	P	13 51 54.8 -0.4
ZAAO	comp=Z,1.3nm,0.9s	I Amb	I Amb	13 51 55.7	
ZALV	Zalesovo Beam	69.37 336	P	P	13 51 54.9 -0.3
ZALV	comp=Z,3.9nm,0.4s,baz=134,slow=5.2,SNR=4.9				
KURBB	Kurchatov Arra	69.91 330	P	P	13 51 58.8 +0.4
KURBB	comp=Z,6.1nm,0.7s,baz=136,slow=5.1,SNR=8.4				
KURK	Kurchatov	69.92 331	P	P	13 51 58.9 +0.3
KURK	comp=Z,1.2nm,0.8s	I Amb	I Amb	13 51 59.8	
VNDA	Vanda	73.24 172	P	P	13 52 18.2 +0.8
VNDA	comp=Z,1.2nm,0.5s,baz=314,slow=7.0,SNR=5.8				
VNDA	Vanda	73.24 172	P	P	13 52 17.4 0.0
MAW	Mawson	73.38 201	P	P	13 52 19.1 +0.7
MAW	comp=Z,0.8nm,0.4s,baz=76,slow=8.8,SNR=3.0				
MAW	Mawson	73.38 201	P	P	13 52 18.4 0.0
BVAR	Borovoye Array	75.40 329	P	P	13 52 29.9 0.0

BORK	Borovoye	75.44 329	I Amb	P	13 52 29.7 -0.5
BORK	comp=Z,3.6nm,0.5s,baz=127,slow=7.2,SNR=21				
QSPA	South Pole Qui	83.16 180	P	P	13 53 11.1 +0.2
QSPA	comp=Z,2.1nm,0.6s,baz=304,slow=1.6,SNR=25				
QSPA	South Pole Qui	83.16 180	P	P	13 53 10.6 -0.2
ELIB	Princess Elisa	87.20 198	dP	P	13 53 31.4 +1.2
ELIB	comp=Z,0.4nm,0.8s,baz=258,slow=3.3,SNR=4.2				
ELIB	Eielson Array	95.25 25	P	P	13 54 05.2 -2.1
BRTR	Keakin Array B	95.46 309	P	P	13 54 07.7 -1.3
BRTR	comp=Z,0.4nm,0.5s,baz=97,slow=4.0,SNR=3.4				
PDAR	Pinedale Array	120.16 44	PKP	PKIP	13 59 31.9 +0.2
PDAR	comp=Z,0.4nm,0.7s,baz=285,slow=2.2,SNR=4.8				
EDSC	Seneca Array	129.95 314	PKP	PKIP	13 59 39.5 +0.5
EDSC	comp=Z,0.2nm,0.3s,baz=60,slow=2.6,SNR=2.6				
TORD	Torodi Arr, Bea	124.04 281	PKP	PKPdf	13 59 39.3 -0.1
TORD	comp=Z,1.7nm,0.7s,baz=95,slow=2.4,SNR=10				
TXAR	Lajitas Arrey	128.94 58	PKP	PKPdf	13 59 47.3 -1.3
TXAR	comp=Z,0.3nm,0.5s,baz=293,slow=1.5,SNR=5.9				
TXAR	Lajitas Arrey	128.94 58	PKP	PKPbc	14 02 16.2
TXAR	comp=Z,0.2nm,0.7s,baz=277,slow=3.9,SNR=3.8				
TXAR	Lajitas Arrey	128.94 58	PKP	PKPdf	13 59 49.0 +0.5
DBIC	Dimboko	130.36 273	PKP	PKPdf	13 59 51.0 -0.5
DBIC	comp=Z,2.6nm,0.6s,baz=85,slow=2.6,SNR=5.3				
TEIG	Teipich	144.98 64	PKP	PKPdf	14 00 18.4 +0.4
CPUP	Villa Florida	146.96 176	PKPbc	PKPbc	14 00 23.8 -0.4
CPUP	comp=Z,4.1nm,0.6s,baz=173,slow=1.4,SNR=12				
CPUP	Villa Florida	146.96 176	PKP	PKPdf	14 00 23.1 +1.9
LPAZ	La Paz	153.55 150	PKPbc	PKPbc	14 00 39.8 -0.8
LPAZ	comp=Z,0.5nm,0.5s,baz=292,slow=5.4,SNR=4.0				
LPAZ	La Paz	153.55 150	PKPbc	PKPbc	14 00 56.7 +0.9
LPAZ	comp=Z,2.7nm,0.6s,baz=214,slow=7.5,SNR=8.7				
SIV	San Ignacio	156.51 165	PKPbc	PKPbc	14 01 08.1 +0.4
SIV	comp=Z,1.5nm,0.5s,baz=203,slow=13,SNR=6.4				
SJA 31 13:48:00.9-0.7, 19:28Sx70:13W, h57km, 3km, ML3.5,					
GUC 31 13:48:02.0-0.8, 19:30Sx70:13W, h56km, 3km, ML3.5,					
Presumed earthquake					
ISC 31 13:48:03.0-1.2, 19:28Sx02:70:14W, 0.05, h47km, 10km,					
n30, i122/54, 2C-4D, Near coast of northern Chile					
Code	Station Name	Δ° AZ°	Phase ID	Time	Res
PSGXC	Pisagua	0.32 178	eP	ISC	13 48 11.9 -0.2
PSGXC	comp=Z,2.0nm,0.5s				13 48 19.5 +1.0
PSGXC	Pisagua	0.32 178	eS	ISC	13 48 20.1
PSGXC	comp=Z,2.0nm,0.5s				
PSGXC	Pisagua	0.32 178	iP	Pn	13 48 12.1 -0.1
PSGXC	comp=Z,2.0nm,0.5s				13 48 18.8 +0.2
PSGXC	Pisagua	0.32 178	iP	Pn	13 48 19.5 +0.7
PSGXC	comp=Z,2.0nm,0.5s				13 48 26.4 +0.6
PSGXC	Pisagua	0.32 178	iP	Pn	13 48 26.9
PSGXC	comp=Z,2.0nm,0.5s				
PSGXC	Pisagua	0.32 178	iP	Pn	13 48 12.1 -0.1
PSGXC	comp=Z,2.0nm,0.5s				13 48 18.8 +0.2
PSGXC	Pisagua	0.32 178	iP	Pn	13 48 19.5 +0.7
PSGXC	comp=Z,2.0nm,0.5s				13 48 26.4 +0.6
PSGXC	Pisagua	0.32 178	iP	Pn	13 48 26.9
PSGXC	comp=Z,2.0nm,0.5s				
PSGXC	Pisagua	0.32 178	iP	Pn	13 48 12.1 -0.1
PSGXC	comp=Z,2.0nm,0.5s				13 48 18.8 +0.2
PSGXC	Pisagua	0.32 178	iP	Pn	13 48 19.5 +0.7
PSGXC	comp=Z,2.0nm,0.5s				13 48 26.4 +0.6
PSGXC	Pisagua	0.32 178	iP	Pn	13 48 26.9
PSGXC	comp=Z,2.0nm,0.5s				
PSGXC	Pisagua	0.32 178	iP	Pn	13 48 12.1 -0.1
PSGXC	comp=Z,2.0nm,0.5s				13 48 18.8 +0.2
PSGXC	Pisagua	0.32 178	iP	Pn	13 48 19.5 +0.7
PSGXC	comp=Z,2.0nm,0.5s				13 48 26.4 +0.6
PSGXC	Pisagua	0.32 178	iP	Pn	13 48 26.9
PSGXC	comp=Z,2.0nm,0.5s				
PSGXC	Pisagua	0.32 178	iP	Pn	13 48 12.1 -0.1
PSGXC	comp=Z,2.0nm,0.5s				13 48 18.8 +0.2
PSGXC	Pisagua	0.32 178	iP	Pn	13 48 19.5 +0.7
PSGXC	comp=Z,2.0nm,0.5s				13 48 26.4 +0.6
PSGXC	Pisagua	0.32 178	iP	Pn	13 48 26.9
PSGXC	comp=Z,2.0nm,0.5s				
PSGXC	Pisagua	0.32 178	iP	Pn	13 48 12.1 -0.1
PSGXC	comp=Z,2.0nm,0.5s				13 48 18.8 +0.2
PSGXC	Pisagua	0.32 178	iP	Pn	13 48 19.5 +0.7
PSGXC	comp=Z,2.0nm,0.5s				13 48 26.4 +0.6
PSGXC	Pisagua	0.32 178	iP	Pn	13 48 26.9
PSGXC	comp=Z,2.0nm,0.5s				
PSGXC	Pisagua	0.32 178	iP	Pn	13 48 12.1 -0.1
PSGXC	comp=Z,2.0nm,0.5s				13 48 18.8 +0.2
PSGXC	Pisagua	0.32 178			

31d 14h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MULa Yerkesik, SOMA Soma-Manisa, AYVA Ayvalik, TURUN Turunc, etc.

ATH 31 14:08:21.9, 37°9'1N-27°05'E, h10km, 3km, ML3.2/3, Latitude uncertainty: 1 km; Longitude uncertainty: 2 km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DGB zmir, GMLD Gumuldur, KARB Karaburum, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KARB Karaburum, MLSB Milas, CAMT Merkez, etc.

IDC 31 14:18:28.8, 1.5, 30.08S; 177.93W, h63km, 16km, mb3.7/6, mbmp3.9/6, MS3.3/3, Error ellipse: s-maj=27.6km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like RAO Raoul Island, RAR Rarotonga, CTA Charters Tower, etc.

AFAD 31 14:27:20.0, 37°88N-26°69E, h17km, 12km, ML2.3, ISK 31 14:27:21.0, 37°89N-26°68E, h13km, ML2.5/16

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DGB zmir, GMLD Gumuldur, KARB Karaburum, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DDIM Aydin, DDIM Aydin, BLCB Balcovca, etc.

IDC 31 14:35:37.0, 1.0, 16°29N; 145°67E, h374km, 10km, mb3.1/1.1, mbtmp3.9/12, Error ellipse: s-maj=23.4km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DPSS Saipan, GUMO Guam, JNU Nakatsue, etc.



31d 14h

ATH	Athens Observa	2.16 274	P	Pn	14 43 18.0 -1.7
ATH	Athens Observa	2.16 274	P	Pn	14 43 18.0 -0.9
ATH			AML	AML	
YENI	Yenice-Canakka	2.17 16	Pn	Pb	14 43 21.5 -1.5
CANM	Can-anakkale	2.21 12	Pn	Pb	14 43 22.1 -1.5
LIA	Limnos Island	2.27 335	P	AML	14 43 20.4 -0.7
LIA	Limnos Island	2.27 335	P	AML	14 43 19.5 -1.6
AFMY	Acipayam-Deniz	2.30 99	P	AML	14 43 23.7 -1.5
SIMA	Simav-Kutahya	2.34 58	Pn	Pb	14 43 23.9 -2.0
KARP	Karpathos	2.37 166	P	AML	14 43 22.3 -0.3
KARP	Karpathos	2.37 166	P	AML	14 43 22.4 -0.2
KARP	Karpathos	2.37 166	P	Pb	14 43 26.1 -0.3
KARP	Karpathos	2.37 166	P	Pn	14 43 21.9 -0.7
GADA	Gvkgeada	2.37 350	P	AML	14 43 21.5 -1.1
GONE	Gonen-Balikesi	2.39 23	Pn	Pb	14 43 24.7 -2.1
GONE			AML	AML	
AOS	Alonnisos	2.41 304	P	AML	14 43 23.1 +0.1
AOS2	Alonnisos-2	2.42 303	P	Pn	14 43 22.6 +0.6
META	Agioi Theodoro	2.43 265	P	Pn	14 43 23.1 -0.3
FETY	Fethiye	2.43 119	Pn	Pb	14 43 25.9 -1.5
FETY			AML	AML	
DST	Dursunbey	2.44 43	Pn	Pb	14 43 25.3 -2.3
DST			AML	AML	
DST	Dursunbey	2.44 43	P	Pb	14 43 25.8 -1.8
PDG	Methana Town	2.44 264	P	Pn	14 43 23.3 -0.3
METE	Cameli-Denizli	2.45 111	Pn	Pb	14 43 25.9 -1.9
CAME			AML	AML	
CAME			AML	AML	
METS	Makryloggos,Me	2.46 266	P	Pn	14 43 23.6 -0.3
METS			AML	AML	
SUSR	Susurluk-Balik	2.46 31	Pn	Pb	14 43 25.7 -2.3
SUSR			AML	AML	
METE6	Megalochori,Me	2.47 265	P	Pn	14 43 23.2 -0.6
SHAP	Saphane-Kutahya	2.47 61	Pn	Pb	14 43 25.9 -2.3
SHAP			AML	AML	
MET2	Kameni Chora	2.48 265	P	Pn	14 43 24.2 +0.1
MET2			AML	AML	
VILL	Villia	2.50 278	P	AML	14 43 24.6 +0.2
VILL			AML	AML	
VIL2	Platees	2.54 279	P	AML	14 43 24.0 -0.9
MET3	Ano Fanari,Met	2.57 265	P	Pn	14 43 25.0 -0.4
GEDZ	Gezid	2.61 62	Pn	Pb	14 43 27.9 -2.7
GEDZ			AML	AML	
EPID	Epidavros	2.65 266	P	AML	14 43 25.9 -0.5
EPID			AML	AML	
NPS	Neapolis	2.67 195	P	Pn	14 43 25.0 -1.7
NPS	Neapolis	2.67 195	P	Pn	14 43 25.6 -1.1
NPS			AML	AML	
SMTH	Samothraki Isl	2.71 345	P	AML	14 43 26.4 -0.9
SMTH	Samothraki Isl	2.71 345	P	AML	14 43 25.9 -1.4
SMTH			AML	AML	
ZKR	Zakros	2.74 184	P	Pn	14 43 27.5 -0.2
ZKR	Zakros	2.74 184	P	Pn	14 43 27.4 -0.2
ZKR			AML	AML	
LOUT	Loutraki	2.75 274	P	AML	14 43 26.7 -1.1
LOUT			AML	AML	
LTK	Loutraki	2.76 275	P	Pn	14 43 27.4 -0.5
LTK			AML	AML	
BAND	Balkesir-Ban	2.81 27	P	Pn	14 43 29.1 +0.5
ATAL	Atalanti	2.83 288	P	Pn	14 43 28.2 -0.6
LKR	Lokris	2.83 287	P	Pn	14 43 28.7 -1.2
ACOR	Acrocorinthos	2.83 272	P	Pn	14 43 28.6 -0.3
ACOR			AML	AML	
CAVK	Edirne/Enez-Ca	2.84 356	P	Pn	14 43 28.7 -0.3
TVSB	Tavsanli	2.85 55	P	Pn	14 43 31.2 +2.0
TVSB			AML	AML	
BASM1	Basamakli-Afyon	2.85 88	P	Pn	14 43 31.3 +2.1
IDI	Anoyia	2.85 207	Pn	Pb	14 43 28.8 -0.4
IDI			Sn	Sn	14 44 02.6 -1.0
IDI	49m,0.3s,baz=3.8,slow=18,SNR=4.5		Lg	Lg	14 44 14.8
IDI	49m,0.3s,baz=0.7,slow=12,SNR=4.2		Pn	Pn	14 43 28.6 -0.6
ENEZ	Enez	2.89 356	P	AML	14 43 30.1 +0.4
ENEZ			AML	AML	
ORLT	Orhaneli	2.90 40	Pn	Pb	14 43 31.8 +1.9
ORLT			AML	AML	
NEO	Neokhori	2.91 301	P	AML	14 43 30.4 +0.3
NEO			AML	AML	
NEO	Neokhori	2.91 301	P	Pn	14 43 29.0 -1.1
XOR	Xorichiti	2.96 302	P	Pn	14 43 30.7 -0.1
XOR	Xorichiti	2.96 302	P	Pn	14 43 31.1 +0.3
XOR	Xorichiti	2.96 302	P	Pn	14 43 29.6 -1.2
ELL	Elmali	2.97 111	Pn	Pb	14 43 33.5 +2.5
ELL			AML	AML	
THAL	Thalero	2.97 111	P	Pn	14 43 33.4 +2.5
THAL			Pn	Pn	14 43 30.2 -0.9
AKAS	Kas	3.00 122	Pn	Pb	14 43 34.1 -3.1
AKAS			AML	AML	
AKAS	Kas	3.00 122	P	Pb	14 43 33.6 +2.2
AKAS			Pb	Pb	14 43 35.5 -1.7
VLI	Veliai	3.02 249	P	Pn	14 43 30.7 -0.8
VLI			AML	AML	
ALEX	Alexandroupoli	3.03 352	P	Pn	14 43 30.9 -0.7
CHAN	Chania	3.03 220	P	Pn	14 43 31.4 -0.2
VAM	Vamos	3.04 217	P	Pn	14 43 30.7 -1.8
VAM	Vamos	3.04 217	P	Pn	14 43 30.9 -0.9
ALN	Alexandroupoli	3.06 354	P	Pn	14 43 31.2 -0.8
ALN	Alexandroupoli	3.06 354	P	Pn	14 43 31.2 -0.8
ALN	Alexandroupoli	3.06 354	P	Pn	14 43 31.6 -0.4
ALN	Alexandroupoli	3.06 354	P	Pn	14 43 31.0 -1.0
THAS	Thassos island	3.06 335	P	Pn	14 43 30.9 -1.1
OUR	Ouranopolis	3.13 323	P	Pn	14 43 32.0 -1.0
OUR	Ouranopolis	3.13 323	P	Pn	14 43 32.6 -0.4
ANKY	Antikythira Is	3.21 233	P	Pn	14 43 33.3 -0.8
ANKY			AML	AML	
KORT	Korkueli	3.22 104	Pn	Pn	14 43 37.0 +2.6
KORT			AML	AML	
ISP	Isparta	3.23 89	Pn	Pn	14 43 36.9 +2.5
ISP	Isparta	3.23 89	Pn	Pn	14 43 33.4 -1.0
ISP	Isparta	3.23 89	Pn	Pn	14 43 33.4 -1.0
GOUR	Gours	3.25 273	P	Pn	14 43 32.9 -0.9
SHUT	Suhut-Afyon	3.31 77	Pn	Pn	14 43 37.9 +2.4
SHUT			AML	AML	
KLIV	Kalavryta, Ach	3.40 275	P	Pn	14 43 37.0 +0.2
PLG	Polygyros	3.43 318	P	Pn	14 43 36.0 -1.2
PLG	Polygyros	3.43 318	P	Pn	14 43 36.3 -0.3
AGG	Agios Georgios	3.44 291	P	Pn	14 43 36.1 +1.3
AGG	Agios Georgios	3.44 291	P	Pn	14 43 38.5 +1.2
AGG	Agios Georgios	3.44 291	P	Pn	14 43 36.7 -0.5
KALE	Kalitheia	3.44 290	P	Pn	14 43 36.9 -0.4
KAVA	Kavala	3.48 335	P	Pn	14 43 36.7 -1.1
GVD	Gavdos	3.56 213	P	Pn	14 43 40.4 +1.5
ANX	Ano Chora	3.64 283	P	Pn	14 43 39.8 -0.3
ANX			AML	AML	
ITM	Ithomi	3.66 261	P	Pn	14 43 42.2 +1.9
ITM	Ithomi	3.66 261	P	Pn	14 43 44.2 +3.9
ITM	Ithomi	3.66 261	P	Pn	14 43 40.0 -0.3
VVK	Vomtovokou	3.70 280	P	Pn	14 43 40.4 +0.5
AGRP	Agripadokambos	3.72 280	P	Pn	14 43 41.0 -0.8
TYRN	Tyrnavos	3.78 301	P	Pn	14 43 41.0 -1.0
SOH	Sokhos	3.81 322	P	Pn	14 43 42.9 +0.4
SOH			Pn	Pn	14 43 42.9 +0.4
KDZ	Kurdzhali	3.92 348	P	Pn	14 43 42.7 -0.5
SRS	Serrai	3.94 327	P	Pn	14 43 44.4 +0.3
SRS	Serrai	3.94 327	P	Pn	14 43 44.4 +0.3
RZN	Rozhen	4.06 342	P	Pn	14 43 45.8 -0.1
KEPZ	Antalya-Kepez	4.21 301	P	Pn	14 43 49.6 +1.6
MMB	Musomishtia	4.24 331	P	Pn	14 43 48.5 +0.3
DIM	Dimitrovgrad	4.24 351	P	Pn	14 43 48.2 +0.2
KNT	Kendrikon	4.30 321	P	Pn	14 43 50.2 +1.2
KNT	Kendrikon	4.30 321	P	Pn	14 43 50.2 +1.2

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GRG	Griva	4.41 316	P	Pn	14 43 47.8 -2.8
GRG	Griva	4.41 316	P	Pn	14 43 47.8 -2.8
SAH	Sakarya_HENDEK	4.54 47	P	Pn	14 43 53.4 +1.0
YAY	Valandovo	4.58 320	P	Pn	14 44 03.8 -3.1
KKB	Krupnik	4.73 328	P	Pn	14 43 55.9 +0.9
PLVB	Plav	5.09 355	P	Pn	14 43 59.4 -0.5
PRD	Provadia	5.35 8	P	Pn	14 44 03.1 -0.4
VTS	Vitosha	5.36 334	P	Pn	14 44 04.4 +0.7
OHR	Ohrid	5.45 308	P	Pn	14 44 08.6 +3.7
BLSH	Balsha	5.55 335	P	Pn	14 44 07.7 +1.4
PLVB	Plav	5.70 346	P	Pn	14 44 08.6 +0.3
MPER	Malo Peshtene	5.87 340	P	Pn	14 44 10.9 -0.2
BR131	Reskin Array S	5.92 69eP	P	Pn	14 44 12.6 +1.1
BR131	Reskin Array B	5.92 69	Pn	Pn	14 44 11.8 +0.3
BRTR	0.4nm,0.3s,baz=258,slow=1.1,SNR=13		Sn	Sn	14 44 12.3 +0.8
BRTR	0.3nm,0.3s,baz=248,slow=1.5,SNR=4-3		Sn	Sn	14 45 19.6 +0.2
BRTR	baz=46,slow=10-1.7nm,0.5s		Lg	Lg	14 45 56.8
BRTR	Kirehir-Merke	6.00 75	P	AML	14 44 13.2 +0.7
KIRS	Peshkopia	6.00 311	P	Pn	14 44 14.9 +2.4
PHP	Peshkopia	6.00 311	P	Pn	14 44 14.9 +2.4
PHP			AML	AML	
CSS	Mathiatis	6.25 115	P	Pn	14 44 16.7 +0.7
ICOR	Ion Corvin	6.34 9	P	Pn	14 44 16.7 -0.4
BLBK	Belgradchik	6.43 335	P	Pn	14 44 16.2 -2.3
TIRR	Tirguroz	6.76 12	P	Pn	14 44 22.3 -0.6
TIRR	Tirguroz	6.76 12	P	Pn	14 44 22.2 -0.6
BOVS	Bogovinje	6.80 300	P	Pn	14 44 23.7 +0.2
DRME	Dravaceva, Mon	6.70 310	ePn	Pn	14 44 29.4 +2.5
TPGR	Topolog	7.15 11	P	Pn	14 44 28.4 +0.2
PDG	Podgorica	7.16 312	ePn	Pn	14 44 31.0 +2.7
PDG	Podgorica	7.16 312	P	Pn	14 44 31.1 +2.7
BRTR	0.3nm,0.3s,baz=108,slow=19,SNR=1.9		Lg	Lg	14 46 48.1
MLR	comp=Z,0.8nm,0.3s,baz=91,slow=21,SNR=3-2		LR	LR	14 48 02.7
MLR	comp=Z,316nm,19.6s,baz=180,slow=42		AML	AML	
MLR	comp=Z,9.6nm,0.9s		AML	AML	
MLR	Muntele Rosu	7.64 357	P	Pn	14 44 35.6 +0.5
MLR	comp=Z,30nm,0.8s		Pn	Pn	14 44 38.8 +3.8
HERR	Herculane	7.65 338	P	Pn	14 44 34.5 -0.5
VOIR	Arges	7.63 350	P	Pn	14 44 35.8 +0.9
MLR	Muntele Rosu	7.64 357	P	Pn	14 44 36.3 +1.2
MLR	comp=Z,0.3nm,0.3s,baz=270,slow=23,SNR=9-6		Sn	Sn	14 46 03.7 +2.0
MLR	comp=Z,0.3nm,0.3s,baz=108,slow=19,SNR=1.9		Lg	Lg	14 46 48.1
MLR	comp=Z,0.8nm,0.3s,baz=91,slow=21,SNR=3-2		LR	LR	14 48 02.7
MLR	comp=Z,316nm,19.6s,baz=180,slow=42		AML	AML	
MLR	comp=Z,9.6nm,0.9s		AML	AML	
MLR	Muntele Rosu	7.64 357	P	Pn	14 44 35.6 +0.5
MLR	comp=Z,30nm,0.8s		Pn	Pn	14 44 38.8 +3.8
HERR	Herculane	7.65 338	P	Pn	14 44 34.5 -0.5
VOIR	Arges	7.63 350	P	Pn	14 44 35.8 +0.9
VOIR			Pn	Pn	14 44 35.3 +0.1
TIP	Timpagrande	7.71 283	P	Pn	14 44 36.5 +0.5
TIP	Timpagrande	7.71 283	P	Pn	14 44 37.4 +1.4
TIP	Timpagrande	7.71 283	P	Pn	14 44 38.4 +2.3
MDVR	Moldovita	7.78 334	P	Pn	14 44 37.4 +0.4
UPM	Unac-Piva	7.84 315	ePn	Pn	14 44 41.0 +3.1
LOT	Lotru	7.85 346	P	Pn	14 44 37.5 -0.5
BRY	Bratogost	7.86 312	ePn	Pn	14 44 40.2 +0.2
TREB	Trebjine	7.87 311	ePn	Pn	14 44 40.0 +1.9
COVU	Voineasa-Covas	7.99 359	P	Pn	14 44 39.6 -0.1
KLIN	Klinje	8.00 314	ePn	Pn	14 44 43.4 +3.4
VRI	Vrincioia	8.01 1	P	Pn	14 44 39.6 -0.4
VRI	Vrincioia	8.01 1	P	Pn	14 44 39.9 -0.4
VRI	Vrincioia	8.01 1	P	Pn	14 44 44.1 +4.1
BBL5	Lazi#2631	8.03 321	ePn	Pn	14 44 41.8 +1.4
MATE	Matera	8.06 293	P	Pn	14 44 41.3 +0.7
MATE	Matera	8.06 293	P	Pn	14 44 42.0 +1.4
MDVR	Moldovita	7.78 334	P	Pn	14 44 37.4 +0.4

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like MNK, MNSK, MAK, etc.

Main table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like BOSA, KLR, MA2, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like BEYE, DDIM, DIDI, etc.





Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station codes like DDIM, ZEDA, etc.

SGS 31 15:41:54.8, 29.33N, 34.74E, h6km, ML2.1
HLW 31 15:41:54.4, 29.33N, 35.09E, h15km, 2km, ML2.7
GII 31 15:41:55.7, 0.0, 29.39N, 0.01, 34.756E, 0.004, h0km,
MWS2.4, confirmed
JSD 31 15:41:55.4, 1.3, 29.1N, 3.5E, 1.1, h5km, M2.6/7,
MLV2.6/7
ISC 31 15:41:55.6, 0.9, 29.33N, 0.02, 34.82E, 0.04, h16km, 7km,
n34, e0584/51, Egypt

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and station codes like PRNI, H102, etc.

IDC 31 15:45:58.0, 11.0, 47.95N, 11.15W, h0km, mb3.5/3,
mbtmp3.5/3, MS3.4/10, Error ellipse: s-maj=429.8km
s-min=114.8km az=144.0, North of Ascension Island

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and station codes like H102, H101, etc.

AFAD 31 15:57:48.4, 37.81N, 26.67E, h7km, 3km, ML2.9
ISK 31 15:57:49.3, 37.83N, 26.73E, h8km, ML2.9/19
THE 31 15:57:49.3, 38.1N, 1.2, 7E, h5km, 2km, ML2.9/7, MLh2.9/7
ISC 31 15:57:49.2, 1.1, 37.83N, 0.02, 26.70E, 0.03, h8km, 11km,
n40, e0477/62, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and station codes like DGB, GMLD, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and station codes like CESE, DGB, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and station codes like AYDB, BDRM, etc.

IDC 31 16:06:12.6, 0.7, 37.89N, 26.74E, h0km, mb3.7/7,
mbtmp3.6/14, ML3.3/5, MS2.9/5, Error ellipse:
s-maj=11.3km s-min=9.6km az=109.4

MOS 31 16:06:12.0, 1.0, 37.87N, 26.65E, h9km, mb4.4/5, Error
ellipse: s-maj=7.8km s-min=5.1km az=94.2
ATH 31 16:06:13.4, 37.88N, 26.67E, h12km, ML3.7/28, Latitude
uncertainty: 0 km; Longitude uncertainty: 1 km
ISK 31 16:06:13.6, 37.91N, 26.70E, h9km, ML4.1/17
AFAD 31 16:06:13.7, 37.90N, 26.71E, h7km, 2km, ML3.9
THE 31 16:06:13.7, 38.1N, 1.2, 7E, h4km, 3km, M3.7/24,
MLh3.7/24

GII 31 16:06:15.5, 0.0, 37.53N, 0.004, 26.721E, 0.001, h0km,
MWS3.9, confirmed

ISC 31 16:06:13.6, 0.6, 37.87N, 0.02, 26.68E, 0.02, h12km, 5km,
n225, e192/265, mb3.7/7, 24C-19D, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and station codes like KRL1, DGB, etc.

31d 16h

Table with columns: DKL, Dikili, 1.21, 8, Pn, P, Pg, AML, 16 06 36.1 -0.9, etc. Lists various stations and their coordinates.

2020 OCT

Table with columns: ALN, XOR, Xorichti, 3.11, 300, P, Pn, AML, 16 07 02.3 -0.4, etc. Lists various stations and their coordinates.

1894

Table with columns: AAK, Ala-Archa, 36.41, 67f, eP, P, Pmax, 16 13 19.6 +1.3, etc. Lists various stations and their coordinates.

ISK 31 16:07:28.9, 37:88N, 26:96E, h9km, ML3.6/19
AFAD 31 16:07:28.8, 37:85N, 26:94E, h7km, 1km, MW3.8
ATH 31 16:07:28.3, 37:86N, 27:01E, h6km, 1km, ML3.7/5, Latitude
uncertainty: 0 km; Longitude uncertainty: 1 km
THE 31 16:07:29.2, 38'1.8N x 27.7E, h3km, 7km, M3.6/5, ML3.6/5
ISC 31 16:07:29.3, 0.8, 37.86N, 0.02, 26.97E, 0.02, h12km, 7km,
n58, 0.62/83, Dodecanese Islands

Table with columns: Code, Station Name, Az, Az1, Phase ID, Time, Res, etc. Lists station codes and names.











Table with columns: E07A, Sunnyside, 87.08 37, Iamb, Iamb, 17 23 19.1, etc. Includes stations like GHO, CRQM, D06A, F10A, etc.

ISK 31 17:26:38.6, 37:85N-26:82E, h20km, 2km, ML1.8/4, Dodecanese Islands

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Time, Res. Includes stations like GMLD, GMLD, GMLD, etc.

AFAD 31 17:26:59.0, 37:86N-26:91E, h7km, 2km, ML1.4, Dodecanese Islands

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Time, Res. Includes stations like DGB, DGB, DGB, etc.

THE 31 17:27:53.0, 37°N, 3'25"E, h26km, 9km, M2.6/14, MLh2.6/14

ATH 31 17:27:51.1, 37°18N-24°75E, h13km, 1km, ML2.6/8, Latitude uncertainty: 0 km; Longitude uncertainty: 0 km, Southern Greece

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Time, Res. Includes stations like TNSA, TNSA, MHLO, etc.

Table with columns: THR3, Thira Island, 0.93 145, P, Pg, 17 28 09.1 0.0, etc. Includes stations like SFIR, SFIR, SNT5, etc.

AFAD 31 17:28:13.5, 37°84N-26°75E, h7km, 2km, ML1.7, ISK 31 17:28:13.7, 37:83N-26:81E, h20km, ML2.2/4, Dodecanese Islands

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Time, Res. Includes stations like DGB, GMLD, GMLD, etc.

IDC 31 17:34:51.5, 27.8°02'S, 119°32'E, h0km, mb3.1/2, mbmp3.2/3, ML3.7/1, Error ellipse: s-maj=261.7km

DJA 31 17:35:11.0, 0.3, 8°S, 3'12"E, h167km, 5km, M3.8/20, IJA 31 17:35:10.6, 0.1, 8.30S, 0°07'119.65E, 0°04, h170km, n19, c184123, Flores region

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Time, Res. Includes stations like LBFI, LBFI, DBNI, etc.

mbmp3.5/8, ML3.3/3, Error ellipse: s-maj=24.7km, s-min=16.2km, az=128.0, ISK 31 17:42:11.3, 37°79N-26°43E, h12km, ML3.7/16

AFAD 31 17:42:12.4, 37.83N-26.47E, h7km, 3km, ML3.3, ISK 31 17:42:12.3, 1.2, 37.83N, 0.03, 26.46E, 0.04, h11km, 8km, n37, c0893/53, mb3.6/3, Dodecanese Islands

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Time, Res. Includes stations like DGB, DGB, DGB, etc.

31d 17h

Table with columns for station name, code, station name, magnitude, phase ID, time, and residual. Includes stations like KARY, KARYOS, CUMBO, and various island stations.

ISC 31 17:45:10.4-1.37:72N-26:99E, h0km, mb3.4/2, mbmp3.4/8, ML3.2/4, MS3.3/1, Error ellipse: s-maj=15.0km s-min=13.5km az=76.0

Table with columns for Code, Station Name, magnitude, phase ID, time, and residual. Includes stations like KUSD, KUSD, DGB, and various island stations.

ISC 31 17:45:10.9-0.8, 37:84N-27:00E, h16km, 5km, n92, az=119.25, Dodecanese Islands

Table with columns for Code, Station Name, magnitude, phase ID, time, and residual. Includes stations like BLCB, BLCB, ZEVE, and various island stations.

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Table with columns for station name, code, station name, magnitude, phase ID, time, and residual. Includes stations like FOCM, CHOS, CHOS, and various island stations.

ISC 31 17:56:23.1, 37:82N-26:43E, h9km, ML2.9/13 AFAD 31 17:56:23.9, 37:88N-26:50E, h7km, 3km, ML2.9

Table with columns for Code, Station Name, magnitude, phase ID, time, and residual. Includes stations like BRTR, BRTR, MLR, and various island stations.

ISC 31 17:56:23.9-1.0, 37:87N-26:47E, h8km, 3km, n60, az=66/83, Dodecanese Islands

Table with columns for Code, Station Name, magnitude, phase ID, time, and residual. Includes stations like KRL1, KRL1, ZEVE, and various island stations.

1900

Table with columns for station name, code, station name, magnitude, phase ID, time, and residual. Includes stations like GCAM, GCAM, KUSD, and various island stations.

BER 31 17:58:26.1-4.5, 74:44N-8:97E, h10km, Mw4.0, ML3.2(NAO), Confirmed Earthquake

Table with columns for Code, Station Name, magnitude, phase ID, time, and residual. Includes stations like BJO1, BJO1, BEAR, and various island stations.

1901

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, Time, Res, ISC. Includes stations like LOF, JNE, JNW, STEI, etc.

2020 OCT

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, Time, Res, ISC. Includes stations like ETKA, GSKG, ADK, etc.

31d 18h

Table with columns: CNMP, M20K, L20K, etc. Includes stations like China Poot, Styx River, Farewell, AK, etc.



Table with columns for station name, type, coordinates, and time. Includes stations like ZIRO, IANAGAR, GeErMu, etc.

Table with columns for station name, type, coordinates, and time. Includes stations like AKASO, FIA1, FINES, etc.

Table with columns for station name, type, coordinates, and time. Includes stations like EIBI, EADA, ECHA, etc.

31d 19h

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Uncertainty, Elevation Uncertainty, Time, Residual, and other parameters. Includes stations like San Esteban, IPOC Station P, Peldehue, etc.

ISK 31 18:56:47.2, 37:86N-26:90E, h5km, ML2.5/11
THE 31 18:56:47.1, 37:85N-26:90E, h10km, 1.1km, n15, c0537/21, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Uncertainty, Elevation Uncertainty, Time, Residual, and other parameters. Includes stations like GMLD Gumuldur, GCAM G?zelcam?, KUSD Kusadasi-Aydin, etc.

ISK 31 18:57:26.0, 37:86N-26:47E, h8km, ML2.8/13
THE 31 18:57:26.0, 37:85N-26:47E, h8km, ML2.8/13
ATH 31 18:57:26.0, 37:87N-26:47E, h8km, ML3.4/19

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Uncertainty, Elevation Uncertainty, Time, Residual, and other parameters. Includes stations like KRL1 Karlovasi Samo, GMLD Gumuldur, GCAM G?zelcam?, etc.

2020 OCT

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Uncertainty, Elevation Uncertainty, Time, Residual, and other parameters. Includes stations like KUSD Kusadasi-Aydin, BLBC Balcova, BLCB Balcova, etc.

ISK 31 19:04:38.0, 37:78N-27:03E, h22km, ML3.4/17
ATH 31 19:04:39.2, 37:76N-27:04E, h9km, 2km, ML3.4/3, Latitude uncertainty: 1 km; Longitude uncertainty: 2 km

THE 31 19:04:39.5, 38°N-3°E, h3km, 5km, ML3.0/6
AFAD 31 19:04:39.6, 37:78N-27:08E, h7km, 9km, ML2.9
ISC 31 19:04:39.0, 37:78N-27:05E, h15km, 7km, n45, c0589/65, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Uncertainty, Elevation Uncertainty, Time, Residual, and other parameters. Includes stations like GCAM G?zelcam?, KUSD Kusadasi-Aydin, KRL1 Karlovasi Samo, etc.

1904

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Uncertainty, Elevation Uncertainty, Time, Residual, and other parameters. Includes stations like SOMA Parakevi, PRK Parakevi, ARG Arkhangelos, etc.

ATH 31 19:17:17.2, 37:82N-26:49E, h8km, 1km, ML3.5/19, Latitude uncertainty: 0 km; Longitude uncertainty: 0 km

ISC 31 19:17:17.0, 37:87N-26:48E, h0km, mb3.6/4, mbmp3.5/6, ML3.2/2, MS3.1/1, Error ellipse: s-maj=28.1km, s-min=18.2km az=167.0

ARG 31 19:17:18.1, 37:85N-26:45E, h8km, ML3.5/31
AFAD 31 19:17:18.4, 37:87N-26:47E, h7km, 2km, ML3.4
THE 31 19:17:18.5, 38°N-2°E, h8km, 6km, ML3.3/19, ML3.3/19

ISC 31 19:17:17.1, 0.3784N-0.022645E, h2km, 8km, n128, c0668/155, mb3.2/3, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Uncertainty, Elevation Uncertainty, Time, Residual, and other parameters. Includes stations like KRL1 Karlovasi Samo, IZMIR Izmir, GMLD Gumuldur, etc.



Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like AKS Aydn-Nazilli, ESEN Salihi, SOMA Soma-Manisa, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like MARNC Mare, Loyalty, MARNC Mare, Loyalty, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like DAT Datca-Mugla, DATC Datca-Mugla, MULA Mugla, Merkez, etc.







1909

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KARB, BAGT, DUVT, FOCM, BODT, CAMT, BDRM, AYDN, IZMR, DKL, PRK, GOMA, NAZL, YER, KARY, GORD, DION.

NNC 31 20:30:32.4-4.8, 42°27'N, 84°86'E, h0km, mb3.7, mpv3.3, 5C-2D, Error ellipse: s-maj=38.9km s-min=23.1km az=160.0, Northern Xinjiang

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SHLS, PDGK, DJR, UZB, KPKS, SATY, MK31, MAK2, MAK3, KAPS, ARXS, MDOK, KTBS.

ISK 31 20:33:06.6, 37°93'N, 26°68'E, h9km, ML3.0/18 AFAD 31 20:33:07.0, 37°94'N, 26°69'E, h7km, 3km, ML2.7 THE 31 20:33:07.3, 38°N, 1°x2°7E, h13km, 2km, M2.9/6, MLh2.9/6

ISC 31 20:33:06.8-1.0, 37.94N, 0.02-26.67E, 0.03, h11km, 8km, n38, 0°56'57, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes station DGB zmir.

2020 OCT

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DGB, GMLD, ZEYE, CESE, KUSD, GCAM, BLCB, DDIM, CHOS, KRBN, DUVT, DIDI, BAGT, KARB, FOCM, CAMT, AYDN, BODT, BDRM, ZEDA, NAZL, MLSB, DKL, GOMA, NAZL, AKS, PRK, SOMA, DION, YER, KARY, GORD, DION.

AFAD 31 20:35:58.1, 37°95'N, 26°46'E, h7km, 99km, ML2.2, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ZEYE, DGB, BEYE, GCAM, DION, YER, KARY, GORD, DION.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KARB, BAGT, DUVT, FOCM, BODT, CAMT, BDRM, AYDN, IZMR, DKL, PRK, GOMA, NAZL, YER, KARY, GORD, DION.

ISK 31 20:37:50.8, 37°78'N, 27°01'E, h10km, ML3.7/19 ATH 31 20:37:50.8, 37°76'N, 27°04'E, h14km, 1km, ML3.5/9, Latitude uncertainty: 0 km; Longitude uncertainty: 1 km AFAD 31 20:37:51.1, 37°78'N, 27°01'E, h7km, 1km, ML3.4 THE 31 20:37:51.6, 38°N, 16°x2°7E, 1.0, h5km, 13km, M3.4/5, MLh3.4/5

ISC 31 20:37:51.2-0.8, 37.77N, 0.02-27.01E, 0.02, h14km, 6km, n77, 0°59'97, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GCAM, KRL1, KUSD, DGB, GMLD, DDIM, DDIM, DIDI, BEYE, DUVT, ZEYE, BLCB, YKAV, AYDN, AYDN, AYDN, BODT, BODT, BODT, MLSB, BDRM, BDRM, BDRM.

31d 20h

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KARB, BAGT, DUVT, FOCM, BODT, CAMT, BDRM, AYDN, IZMR, DKL, PRK, GOMA, NAZL, YER, KARY, GORD, DION.

31d 20h

Table with columns: BDRM, comp, E, 2j, m, 0.7s, IAML, 20 38 18.0, 0.79 316, Pp, AML, 20 38 06.6 -0.2, etc.

IDC 31 20:40:40.2-8.2,35.68N-75.37E, h0km, mb4.0/1, mbmp3.5/3, ML2.9/2, MS3.5/1, Error ellipse: s-maj=152.7km s-min=34.7km az=139.0

KRNET 31 20:41:27.3-0.1, 41.09N, 73.06E, h15km, mb3.4, NNC 31 20:41:28.3-1.0, 41.17N, 73.03E, h0km, mb3.6, mpv3.4, Error ellipse: s-maj=8.3km s-min=4.3km az=173.0

SOME 31 20:41:28.5, 41.23N, 73.02E, h10km, ISU 31 20:41:30.4, 15N, 73.16E, h19km, ISC 31 20:41:26.4-1.0, 41.15N, 0.02-73.15E, 0.02, h12km, 8km, m62, -1547/99, 26C-3D, Kyrgyzstan

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time Res, h m s ISC, 20 41 32.5 +0.1, etc.

2020 OCT

Main table with columns: KST, 59nm, 0.4s, Lg, 20 42 58.4, KST, Kasek, 4.7nm, 0.4s, 2.82 47 eP, Pg, 20 42 20.8 +0.4, etc.

IDC 31 20:55:20.6-3.6, 13.50N, 146.05E, h52km, 28km, mb3.6/10, mbmp3.9/10, MS2.8/2, Error ellipse: s-maj=29.7km s-min=25.6km az=87.0

ISC 31 20:55:19.5-1.2, 13.50N, 146.1E, 0.1, h43km, n15, 0.055/12, mb3.9/10, South of Mariana Islands

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time Res, h m s ISC, 20 42 11.2 -0.8, etc.

1910

Table with columns: H11S2, WAKE ISLAND Hy, 20.41 73 T, T, 21 21 25.7, MJAR, Matsushiro Arr, 23.99 344 P, P, 21 00 31.1 +1.0, etc.

IDC 31 20:59:13.4-1.0, 14.42N, 93.76W, h0km, mb4.3/12, mbmp4.3/15, ML3.5/3, MS3.6/12, Error ellipse: s-maj=27.8km s-min=11.4km az=35.0

NEIC 31 20:59:16.5-1.4, 14.59N, 0.05-93.68W, 0.05, h10km, 1km, mb4.4/56, MD4.3/42(MEX), Error ellipse: s-maj=8.8km s-min=6.8km az=216.0

GCG 31 20:59:18.5-1.8, 14.37N, 93.63W, h36km, 999km, MD5.0, Presumed earthquake

MEX 31 20:59:19.7-1.0, 14.55N, 93.80W, h16km, 22km, MD4.3, Presumed earthquake

ISC 31 20:59:16.0-2.8, 14.48N, 0.05-93.69W, 0.03, h17km, 17km, n155, r151/175, mb4.5/35, MS3.7/13, Near coast of Chiapas

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time Res, h m s ISC, 20 59 39.2 -0.2, etc.

















1917

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like MKAR, PDGK, SHLS, etc.

ISK 31 22:01:10.5, 37°82'N-26°91'E, h8km, ML3.6/19
AFAD 31 22:01:10.7, 37°83'N-26°89'E, h7km, ML3.3
THE 31 22:01:11.0, 38°N-2°7'E, h8km, 5km, M3.2/12

MLH3.2/12
ATH 31 22:01:14.3, 37°98'N-26°44'E, h6km, 3km, ML3.2/6, Latitude
uncertainty: 1 km; Longitude uncertainty: 2 km

ISC 31 22:01:09.9, 37°79'N-02°26.88'E, 0.02, h13km, 8km,
n64, c087/85, Dodecanese Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like DGB, GMLD, GCAM, etc.

2020 OCT

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like FOCM, KARB, MERKEZ, etc.

IDC 31 22:05:42.3-0.7, 37°65'N-26°93'E, h0km, mb3.6/5,
mbmp3.5/13, ML3.0/4, Error ellipse: s-maj=10.4km
s-min=8.3km, az=149.0

ISK 31 22:05:42.6, 37°83'N-26°91'E, h15km, ML3.8/18
ISK 31 22:05:43.3, 38°N-4°27'E, h8km, 8km, M3.5/7, MLH3.5/7
NEIC 31 22:05:43.5, 1.7, 37°82'N-02°26.91'E, 0.06, h16km, 6km,
mb4.0/3, Error ellipse: s-maj=7.5km s-min=5.5km
az=107.0

AFAD 31 22:05:43.0, 37°82'N-26°90'E, h7km, 4km, ML3.6
ATH 31 22:05:43.0, 37°83'N-26°90'E, h14km, 1km, ML3.4/38,
Latitude uncertainty: 1 km; Longitude uncertainty: 1 km

ISC 31 22:05:43.1-0.8, 37°81'N-02°26.91'E, 0.02, h16km, 5km,
n189, c1941/217, mb3.5/7, 15C-19D, Dodecanese Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like KRL1, DGB, GMLD, etc.

31d 22h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like AYDB, BODR, BODR, etc.

31d 22h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and various station identifiers. Includes stations like Alexandroupoli, Atalanti, Korits, Acrocorinthos, Thassos island, etc.

2020 OCT

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and various station identifiers. Includes stations like Green Lake, Raoul Island, Matakaoa Point, Te Kaha, etc.

1918

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and various station identifiers. Includes stations like Aydin, Didim, Balcovia, Didim-Aydin, Torballi, etc.

IDD 31 22:11:05.0, 1.0, 32.00S; 179.95E, h321km, 12km, mb3.8/4, mbmp4.5/6, Error ellipse: s-maj=19.4km s-min=16.3km az=114.0



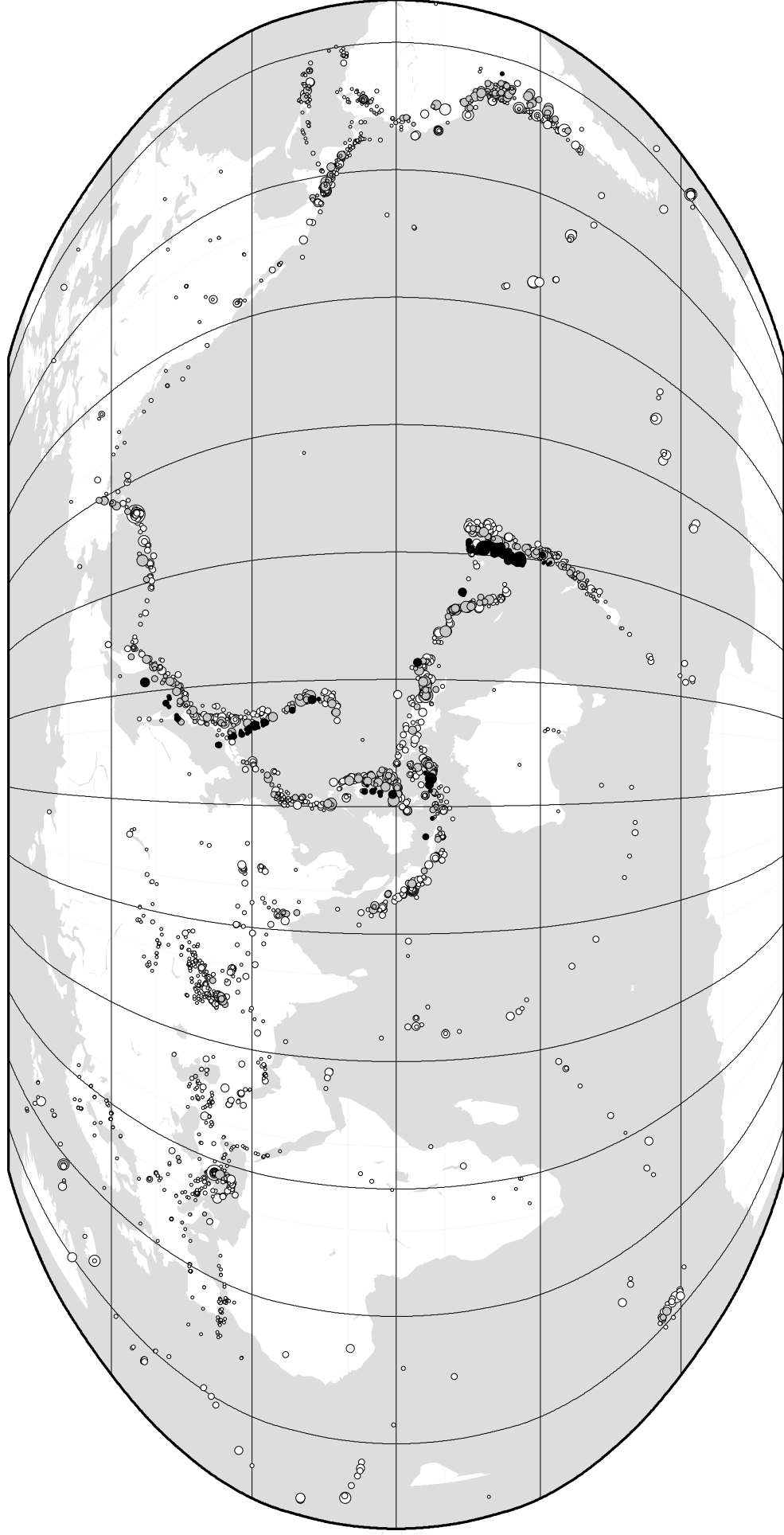


MOKO	comp=N,20nm,0.6s	IAML		23 18 51.9
KOHI	<b>KOHIMA</b>	7.10 148 eP	Pn	23 17 32.1 -0.2
KOHI		eS	Sn	23 18 51.9 0.0
CMAR	<b>Chiang Mai Arr</b>	15.60 147 Pn	Pn	23 19 25.5 -2.6
CMAR	comp=N,0.1nm,0.3s,baz=322,slow=12,SNR=4.2	LR	LR	23 26 07.9
CMAR	comp=N,21nm,19.6s,baz=290,slow=40	AML	AML	
CMAR	comp=N,0.4nm,0.3s			
MKAR	<b>Makanchi Array</b>	16.06 341 Pn	Pn	23 19 33.4 -0.5
	baz=152,slow=11,SNR=3.0			
SONM	<b>Songino Array</b>	20.29 33 P	P	23 20 22.8 -0.8
	comp=N,0.4nm,0.5s,baz=215,slow=12,SNR=5.3			
	comp=N,0.4nm,0.5s			
KURBB	<b>Kurchatov Arra</b>	20.60 339 P	P	23 20 28.5 +1.8
	comp=N,0.2nm,0.3s,baz=155,slow=9.7,SNR=5.3			
	comp=N,0.2nm,0.3s			
ZALV	<b>Zalesovo Beam</b>	22.41 352 P	P	23 20 47.7 +1.6
	comp=N,0.5nm,0.6s,baz=171,slow=10,SNR=2.2			
	comp=N,0.5nm,0.6s			
WRA	<b>Warramunga Arr</b>	66.78 134 P	P	23 26 38.3 -0.6
	comp=N,0.3nm,0.7s,baz=320,slow=5.9,SNR=1.7			
	comp=N,0.3nm,0.7s			
ASAR	<b>Alice Springs</b>	69.37 137 P	P	23 26 54.3 -0.9
	comp=N,0.3nm,0.9s,baz=340,slow=9.3,SNR=1.7			
	comp=N,0.3nm,0.9s			

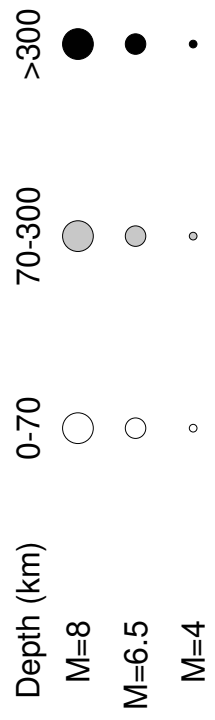
ISK 31 23:24:00.3,37°84N-26°84E,h14km,ML2.5/10  
 AFAD 31 23:24:00.1,37°81N-26°81E,h7km,3km,ML1.9  
 ISC 31 23:24:00.6-1.1,37.83N-0.03-26.84E,0.04,h10km,gkm,

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
					h m s	ISC
DGB	<b>zmir</b>	0.23 9	P	Pg	23 24 05.1	-0.3
DGB			S	Sg	23 24 07.8	-0.8
DGB			IAML		23 24 09.0	
DGB	comp=N,127nm,0.1s				23 24 10.0	
DGB	comp=E,148nm,0.5s					
GMLD	<b>Gumuldur</b>	0.26 14	Pg	Pg	23 24 05.6	-0.3
GMLD			Sg	Sg	23 24 10.5	+1.0
GMLD			AML	AML		
GCAM	<b>G?zelcam1?</b>	0.34 111	Pg	Pg	23 24 07.4	+0.1
GCAM			Sg	Sg	23 24 13.1	+1.3
GCAM			AML	AML		
GCAM	<b>G?zelcam1?</b>	0.34 111	P	Pg	23 24 07.4	+0.1
GCAM			IAML		23 24 13.0	
GCAM	comp=N,286nm,0.2s				23 24 13.0	
GCAM	comp=E,360nm,0.5s					
GCAM			S	Sb	23 24 13.4	-0.7
BEYE	<b>izmir</b>	0.41 10	P	Pg	23 24 08.4	-0.3
BEYE			S	Sg	23 24 14.9	+0.8
BEYE			IAML		23 24 15.0	
BEYE	comp=E,89nm,0.4s				23 24 20.0	
ZEYE	comp=N,66nm,0.3s					
ZEYE	<b>Izmir, Urla-Ze</b>	0.49 328	P	Pg	23 24 09.7	-0.6
ZEYE			IAML		23 24 17.0	
ZEYE	comp=N,242nm,0.3s					
ZEYE			S	Sg	23 24 17.2	+0.5
ZEYE			IAML		23 24 22.0	
BLCB	<b>Balcova</b>	0.58 16	Pg	Pg	23 24 11.7	-0.3
BLCB			AML	AML		
DUVT	<b>Torbali</b>	0.62 51	P	Pg	23 24 12.2	-0.5
DUVT			S	Sg	23 24 20.1	-0.9
DUVT			IAML		23 24 25.0	
DUVT	comp=E,119nm,0.5s					
KRBN	<b>Karaburun</b>	0.80 344	Pg	Pg	23 24 15.9	-0.2
KRBN			AML	AML		
BAGT	<b>Foa</b>	0.83 1	P	Pg	23 24 16.2	-0.4
BAGT			S	Sb	23 24 29.2	+0.9
BAGT			IAML		23 24 31.0	
BAGT	comp=N,46nm,0.4s				23 24 33.0	
BAGT	comp=E,67nm,0.7s					
CHOS	<b>Chios island</b>	0.83 312	Pg	Pb	23 24 16.8	-0.4
CHOS			Sg	Sb	23 24 28.8	+0.3
CHOS			AML	AML		
AYDN	<b>Tasoluk</b>	0.84 101	P	Pb	23 24 17.1	-0.2
AYDN			S	Sg	23 24 27.9	+0.1
AYDN			IAML		23 24 29.0	
AYDN	comp=N,50nm,1.3s				23 24 29.0	
AYDN	comp=E,36nm,0.6s					
AYDB	<b>Zeytinkoy-Aydi</b>	0.84 81	Pg	Pg	23 24 16.9	0.0
AYDB			AML	AML		
BODT	<b>Bodrum</b>	0.85 154	Pg	Pb	23 24 17.6	+0.2
BODT			AML	AML		
FOCM	<b>Foa</b>	0.89 355	Pg	Pg	23 24 17.6	-0.2
BDRM	<b>Kayabasi</b>	0.90 147	P	Pb	23 24 18.2	-0.1
BDRM			S	Sb	23 24 30.2	-0.1
BDRM			IAML		23 24 47.0	
BDRM	comp=N,24nm,0.7s				23 25 00.0	
BDRM	comp=E,29nm,0.3s					
KARB	<b>zmir-Karabur</b>	0.90 338	P	Pb	23 24 18.3	-0.1
KARB			S	Sb	23 24 30.1	-0.3
KARB			IAML		23 24 32.0	
KARB	comp=N,72nm,0.5s				23 24 34.0	
KARB	comp=E,77nm,0.4s					
MLSB	<b>Milas</b>	0.91 125	Pg	Pb	23 24 18.6	+0.1
MLSB			AML	AML		
IZMR	<b>zmir-demi</b>	0.93 70	P	Pg	23 24 18.7	+0.1
IZMR			S	Sg	23 24 29.4	-1.4
IZMR			IAML		23 24 34.0	
IZMR	comp=E,19nm,0.6s					
CAMT	<b>Merkez</b>	0.99 22	P	Pb	23 24 20.0	+0.1
CAMT			S	Sb	23 24 34.4	+1.4
CAMT			IAML		23 24 37.0	
CAMT	comp=E,82nm,0.3s				23 24 38.0	
CAMT	comp=N,82nm,0.3s					
ZEDA	<b>zmir-Bergama</b>	1.16 9	P	Pg	23 24 22.2	-0.6
ZEDA			S	Sb	23 24 38.8	+1.1
ZEDA			IAML		23 24 41.0	
ZEDA	comp=E,40nm,0.5s				23 24 43.0	
ZEDA	comp=N,32nm,0.3s					
NAZL	<b>Nazilli-Aydin</b>	1.16 83	Pn	Pg	23 24 22.2	-0.7
NAZL			AML	AML		
DKL	<b>Dikili</b>	1.25 2	Pn	Pn	23 24 24.1	+0.1
DKL			AML	AML		

# ISC Computed Locations for October 2020



Robinson Projection, centred on 0°N,130°E



3431 Events