

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 PKP 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 PKPbc 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.

IDC 01 00:00:01.5:1.8,60.66N:151.30W,h0km,mb3.5/4, mbmp3.4/6,ML3.1/2,Error ellipse: s-maj=30.0km s-min=27.8km az=171.0
NEIC 01 00:00:12.7:1.6,61.35N:0.03:150.03W:0.05, h33km,13km,Error ellipse: s-maj=4.0km s-min=3.8km az=162.0
AEIC 01 00:00:13.3:1.9,61.35N:0.02:150.10W:0.05,h33km,7km, ML3.4,ML3.5/156(NEIC),Error ellipse: s-maj=3.5km s-min=3.2km az=210.0

ISC 01 00:00:11.7:0.9,61.35N:0.03:150.09W:0.03,h34km,2km, n107,118/85,mb3.6/4,Southern Alaska

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like Rabbit Creek A, Willow, Susitna One, etc.

Table with columns: N25K, BWR1, SWV2, etc. Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like Chitina, Valde, Sparrerohn, etc.

Table with columns: SLKM, SKT, O22K, etc. Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like Skwentna, Cooper Landing, Sawmill, etc.

TAP 01 00:09:15.0,24.83N:122.01E,h9km,ML1.5,D,Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like Santiao Chiao, Shuangxi, Suo, etc.

JMA 01 00:09:55.1:1.24:2N:0.4:123.9E:0.3,h17km,14km, MV1.3/9,NEAR ISHIGAKIJIMA ISLAND,Southern western Ryukyus Islands

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like Kuro-shima, Irif, Hatj, etc.

NEIC 01 00:11:32.0:0.6,61.53N:0.03:149.89W:0.07, h40km,12km,Error ellipse: s-maj=4.8km s-min=4.6km az=123.0

AEIC 01 00:11:32.8:0.2,61.51N:0.03:149.92W:0.07,h41km,7km, ML2.9,ML3.2/20(NEIC),Error ellipse: s-maj=5.0km s-min=3.8km az=51.0,Southern Alaska

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like Willow, Susitna One, Rabbit Creek A, etc.

NEIC 01 00:11:46.0:2.3,61.49N:0.03:149.86W:0.05,h41km,6km, ML3.4/132,Error ellipse: s-maj=4.3km s-min=3.4km az=158.0

ISC 01 00:11:47.0:1.6,61.49N:0.03:150.00W:0.03,h36km,1km, n102,119/106,Southern Alaska

1d 0h

Table of station data for 1d 0h period, listing station names like M22K, SUA, RC01, etc., and their corresponding values.

2018 DEC

Table of station data for 2018 DEC period, listing station names like Q19K, KAIM, J20K, etc., and their corresponding values.

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Table of station data for 2018 DEC period, listing station names like SCM, RDJ, GLI, etc., and their corresponding values.

AEIC 01 00:12.10:2.0,0.9,61.39N,0.03:150:06W,0.05,h38km,6km,ML3.4,ML3.4,112(NEIC),Error ellipse: s-maj=4.7km s-min=3.0km az=150.0

NEIC 01 00:11.2,1.0,61.39N,0.03:150:05W,0.04,h41km,4km,Error ellipse: s-maj=4.7km s-min=3.0km az=175.0

ISC 01 00:12.10:1.6,61.40N,0.03:150:07W,0.02,h35km,2km,n81,+0577/80,Southern Alaska

NEIC 01 00:13.58:0.8,61.39N,0.01:150:06W,0.05,h42km,4km,Error ellipse: s-maj=3.6km s-min=1.5km az=88.0

AEIC 01 00:13.59:4+0.8,61.37N,0.02:150:05W,0.05,h40km,5km,ML2.4,ML2.7/48(NEIC),Error ellipse: s-maj=3.9km s-min=3.4km az=122.0,Southern Alaska

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Cooper Landing, Sawmill, Spurr Capps GI, Port Wells, Spurr Chakacha, etc.

NEIC 01 00:14:37.0-1.7, 61.50N-0.02-150.00W-0.05, h40km, 6km, Error ellipse: s-maj=3.7km s-min=3.0km az=210.0

AEIC 01 00:14:37.4-1.4, 61.49N-0.03-149.98W-0.05, h42km, 3km, M2.5, ML2.7/42(NEIC), Error ellipse: s-maj=3.7km s-min=3.5km az=158.0, Southern Alaska

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Willow, Susitna One, Rabbit Creek A, etc.

NEIC 01 00:14:50.3-1.5, 61.51N-0.03-149.75W-0.05, h42km, 4km, Error ellipse: s-maj=4.2km s-min=3.2km az=173.0

AEIC 01 00:14:50.8-1.4, 61.51N-0.03-149.74W-0.04, h40km, 5km, M2.5, ML2.7/46(NEIC), Error ellipse: s-maj=4.0km s-min=2.9km az=185.0, Southern Alaska

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Willow, Rabbit Creek A, Glory Hole Cre, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Skwentna, Glacier View, Strandline Lak, etc.

NEIC 01 00:16:39.9-0.8, 61.48N-0.04-149.95W-0.06, h46km, 8km, Error ellipse: s-maj=5.3km s-min=4.4km az=185.0

AEIC 01 00:16:40.6-0.7, 61.49N-0.04-149.95W-0.03, h44km, 6km, M2.8, ML3.4/26(NEIC), Error ellipse: s-maj=5.2km s-min=1.9km az=181.0, Southern Alaska

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Willow, Susitna One, Rabbit Creek A, etc.

NEIC 01 00:16:54.8-1.4, 61.35N-0.03-150.00W-0.06, h33km, 8km, M3.0, ML3.2/120(NEIC), Error ellipse: s-maj=4.7km s-min=3.9km az=219.0

NEIC 01 00:16:54.5-1.4, 61.38N-0.03-149.99W-0.05, h37km, 28km, Error ellipse: s-maj=5.0km s-min=3.8km az=158.0

ISC 01 00:16:54.9-1.3, 61.39N-0.03-149.97W-0.03, h45km, 9km, Redoubt Mt, Southern Alaska

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Rabbit Creek A, Willow, Rabbit Creek A, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Strandline Lak, Cooper Landing, Skwentna, etc.

2018 DEC

Table with columns: ID, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like M18K Stony River, GLB Gilahina Butte, N18K Kilae Creek, etc.

Table with columns: SML, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Sawmill, Skwentna, Skwentna, Port Wells, etc.

Table with columns: J16K, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Anvik River, Inuvik, Yellowknife Array, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GENO, IBND, LAR1, SHME, etc.

NNC 01 00:25:56.84, 3.42, 30N, 84.59E, h0km, mb3.6, mpv3.3, Error ellipse: s-maj=30.6km s-min=16.0km az=138.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PDGK, DJR, DJR, UZB, UZB, etc.

NEIC 01 00:41:55.5, 1.1, 61.36N, 0.03, 150.00W, 0.06, h59km, 2km, Error ellipse: s-maj=4.2km s-min=3.8km az=163.0

ISC 01 00:41:56.1, 1.2, 61.36N, 0.03, 150.03W, 0.02, h54km, 7km, n173, c08/84/163, Southern Alaska

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RC01, SUA, M22K, etc.

IDC 01 00:18:54.6, 1.0, 61.03N, 149.05W, h0km, mb3.9/2, mtbnp3.6/6, ML3.4/4, Error ellipse: s-maj=22.3km

NEIC 01 00:18:55.5, 1.4, 61.42N, 0.03, 150.01W, 0.05, h44km, 2km, Error ellipse: s-maj=3.8km s-min=3.4km az=168.0

AEIC 01 00:18:56.0, 1.4, 61.39N, 0.02, 150.02W, 0.02, h36km, 6km, ML3.6, ML3.7/128(NEIC), Error ellipse: s-maj=3.5km s-min=1.4km az=163.0

ISC 01 00:18:55.8, 1.1, 61.38N, 0.03, 150.01W, 0.03, h38km, 1km, n75, c109/84, Southern Alaska

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RC01, SUA, M22K, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like N19K, N25K, SVW2, etc.

1d 0h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for Sheep Creek Mo, Glacier Island, Styx River, Bradley Lake, Port Fidalgo, China Poot, Tolsona, Klutina, Hinchinbrook I, liamna South, Bonanza Creek, White Mountain, Cape Douglas, Verde Repeater, etc.

NEIC 01 00:51:34.7±1.4, 61.37N, 0.03±150.08W, 0.02, h41km, 9km, Error ellipse: s-maj=5.0km s-min=1.6km az=189.0

AEIC 01 00:51:35.5±1.1, 61.37N, 0.02±150.09W, 0.06, h32km, 7km, ML2.4, ML2.9/60(NEIC), Error ellipse: s-maj=4.5km s-min=2.5km az=128.0, Southern Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for Rabbit Creek A, Susitna One, Willow, Glory Hole Cre, Knik Glacier, Rugged Mountai, Gilahina Butte, Cape Douglas, Verde Repeater, etc.

NEIC 01 00:51:49.8±2.0, 61.42N, 0.03±150.04W, 0.06, h45km, 6km, Error ellipse: s-maj=4.5km s-min=3.9km az=209.0

AEIC 01 00:51:48.7±1.3, 61.42N, 0.02±150.03W, 0.04, h19km, 5km, ML2.8, ML2.9/105(NEIC), Error ellipse: s-maj=3.4km s-min=2.7km az=207.0, Southern Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for Rabbit Creek A, Susitna One.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for Willow, Knik Glacier, Stradline Lak, Sawmill, Cooper Landing, Skwentna, Port Wells, Spurr, Chulitna, Sheep Creek Mo, Glacier Island, Tolsona, Klutina, Hinchinbrook I, liamna South, Bonanza Creek, White Mountain, Cape Douglas, Verde Repeater, etc.

NEIC 01 00:53:32.3±0.8, 61.39N, 0.03±150.02W, 0.05, h33km, 11km, Error ellipse: s-maj=4.3km s-min=2.9km az=207.0

AEIC 01 00:53:31.5±1.6, 61.37N, 0.01±150.01W, 0.05, h20km, 5km, ML2.4, ML2.8/56(NEIC), Error ellipse: s-maj=3.9km s-min=1.5km az=71.0, Southern Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for Rabbit Creek A.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for Rabbit Creek A, Susitna One, Willow, Glory Hole Cre, Knik Glacier, Skwentna, Port Wells, Chulitna, Glacier Island, Bradley Lake, Port Fidalgo, China Poot, Klutina, Tolsona, Hinchinbrook I, liamna South, Denali Highway, Rugged Mountai, Gilahina Butte, Cape Douglas, Verde Repeater, etc.

NEIC 01 00:55:56.5±1.5, 61.38N, 0.02±149.96W, 0.03, h39km, 5km, Error ellipse: s-maj=3.5km s-min=1.0km az=218.0

AEIC 01 00:55:56.1±1.6, 61.36N, 0.02±149.99W, 0.04, h39km, 3km, ML3.0, ML3.1/28(NEIC), Error ellipse: s-maj=3.1km s-min=2.7km az=192.0, Southern Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for Rabbit Creek A, Susitna One, Willow, Glory Hole Cre, Knik Glacier, Rugged Mountai, Gilahina Butte, Cape Douglas, Verde Repeater, etc.

NEIC 01 00:56:22.4±1.3, 61.49N, 0.03±150.06W, 0.03, h56km, 4km, Error ellipse: s-maj=4.2km s-min=1.9km az=182.0

AEIC 01 00:56:23.1±2.0, 61.42N, 0.02±150.05W, 0.04, h34km, 7km, ML3.3, ML3.3/152(NEIC), Error ellipse: s-maj=3.3km s-min=2.8km az=163.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for Willow, Susitna One, Rugged Mountai, Gilahina Butte, Cape Douglas, Verde Repeater, etc.

1d 1h

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, Pn, Time, Res, ISC. Includes stations like KLU Klutina, CNPM China Poot, RND Reindeer, etc.

IDC 01 01:15:52.8-1.2, 34.98N-23.58E, h0km, mb3.9/10, mbtmp3.8/14, ML3.3/3, MS2.8/1, Error ellipse: s-maj=24.6km s-min=18.8km az=6.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, Pn, Time, Res, ISC. Includes stations like GVD Gavdhos, KNR Palaiochora Ch, ANKY Antikythira Is, etc.

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Table with columns: VAE, Station Name, Azimuth, Phase ID, Op, Pn, Time, Res, ISC. Includes stations like Valguarnera, BRTR Keskini Array B, MMAI Mount Meron Ar, etc.

IDC 01 01:21:12.0-1.1, 61.22N-149.37W, h0km, mb3.3/1, mbtmp3.3/5, ML3.2/4, Error ellipse: s-maj=28.0km s-min=10.1km az=114.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, Pn, Time, Res, ISC. Includes stations like Willow, M22K Knik Glacier, SML Sawmill, etc.

Table with columns: Station Name, Azimuth, Phase ID, Op, Pn, Time, Res, ISC. Includes stations like M23K baz=255, N20K Mount Spurr, SPCR Spurr Chakacha, etc.

2018 DEC

1d 1h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Rows include J18K Innoko River, SCRK Sand Creek, J25K Salcha River, etc.

IDC 01 01:23:10.8:1.4, 4.82N:126.03E, h0km, mb4.2/6, mbmp4.2/6, Error ellipse: s-maj=101.3km s-min=17.8km az=68.0

NEIC 01 01:23:21.6:1.1, 4.91N:0.06x126.42E:0.08, h8km, mb1.1/1km, mb4.1/12, Error ellipse: s-maj=14.4km s-min=4.7km az=125.0

DJA 01 01:23:30.1:0.9, 4.7N:7.12'6E, h146km, 5km, M4.2/9, mb4.2/5, mb4.9/2, MLv4.2/9, MW(mb)4.1/2

ISC 01 01:23:27.0:0.9, 4.58N:0.10x126.1E:0.1, h150km, n26, r:136/29, mb4.0/9, Talaud Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Rows include SGSI Sangihe, TINTI Ternate, NLAI Namle, etc.

IDC 01 01:23:51.0:2.3, 18.44N:146.75E, h0km, mb4.0/9, mbmp4.0/9, MS3.0/2, Error ellipse: s-maj=98.7km s-min=20.7km az=88.0

ISC 01 01:23:58.2:2.7, 18.4N:0.2x146.6E:0.7, h50km, n11, o:55/9, mb3.9/9, Mariana Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Rows include JOW Kunigami, DAV Davao City (W), WRA Warrangula Arr, etc.

NEIC 01 01:26:26.0:1.3, 61.38N:0.02x150.10W:0.05, h50km, 7km, Error ellipse: s-maj=3.6km s-min=3.3km az=114.0

AEIC 01 01:26:26.9:1.4, 61.37N:0.02x150.08W:0.05, h40km, 5km, ML2.5, ML2.7/38(NEIC), Error ellipse: s-maj=3.5km s-min=3.1km az=114.0, Southern Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Rows include RC01 Rabbit Creek A, RC01 Rabbit Creek A, etc.

SKT Skwentna 0.92 312 IAML Pn 01 26 42.4 -1.0 SKT Skwentna 0.92 312 IAML Pn 01 26 55.1 -0.3 SKT Skwentna 0.92 312 IAML Pn 01 26 56.2

SPCG Spurr Capps GI 0.94 266 IAML Pn 01 26 43.0 -0.7 SML Sawmill 0.94 62 Sn Pn 01 26 56.1 +0.2 SML Sawmill 0.94 62 Sn Pn 01 26 42.8 -0.9

SKT Skwentna 0.92 312 IAML Pn 01 26 56.2 SKT Skwentna 0.92 312 IAML Pn 01 26 56.2 SKT Skwentna 0.92 312 IAML Pn 01 26 56.2

SKT Skwentna 0.92 312 IAML Pn 01 26 56.2 SKT Skwentna 0.92 312 IAML Pn 01 26 56.2 SKT Skwentna 0.92 312 IAML Pn 01 26 56.2

SKT Skwentna 0.92 312 IAML Pn 01 26 56.2 SKT Skwentna 0.92 312 IAML Pn 01 26 56.2 SKT Skwentna 0.92 312 IAML Pn 01 26 56.2

SKT Skwentna 0.92 312 IAML Pn 01 26 56.2 SKT Skwentna 0.92 312 IAML Pn 01 26 56.2 SKT Skwentna 0.92 312 IAML Pn 01 26 56.2

SKT Skwentna 0.92 312 IAML Pn 01 26 56.2 SKT Skwentna 0.92 312 IAML Pn 01 26 56.2 SKT Skwentna 0.92 312 IAML Pn 01 26 56.2

SKT Skwentna 0.92 312 IAML Pn 01 26 56.2 SKT Skwentna 0.92 312 IAML Pn 01 26 56.2 SKT Skwentna 0.92 312 IAML Pn 01 26 56.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Rows include SKT Skwentna, SKL Skwentna, SKM Skwentna, etc.

NEIC 01 01:28:54.6:0.9, 61.51N:0.03x149.94W:0.04, h45km, 5km, Error ellipse: s-maj=4.1km s-min=2.8km az=190.0

AEIC 01 01:28:55.2:0.9, 61.51N:0.02x149.91W:0.05, h42km, 5km, ML2.7, ML2.9/44(NEIC), Error ellipse: s-maj=3.5km s-min=3.2km az=77.0, Southern Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Rows include M22K Willow, M22K Willow, etc.

SKT Skwentna 0.92 312 IAML Pn 01 26 42.4 -1.0 SKT Skwentna 0.92 312 IAML Pn 01 26 55.1 -0.3 SKT Skwentna 0.92 312 IAML Pn 01 26 56.2

SKT Skwentna 0.92 312 IAML Pn 01 26 56.2 SKT Skwentna 0.92 312 IAML Pn 01 26 56.2 SKT Skwentna 0.92 312 IAML Pn 01 26 56.2

SKT Skwentna 0.92 312 IAML Pn 01 26 56.2 SKT Skwentna 0.92 312 IAML Pn 01 26 56.2 SKT Skwentna 0.92 312 IAML Pn 01 26 56.2

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SKT Skwentna 0.92 312 IAML Pn 01 26 56.2 SKT Skwentna 0.92 312 IAML Pn 01 26 56.2 SKT Skwentna 0.92 312 IAML Pn 01 26 56.2

SKT Skwentna 0.92 312 IAML Pn 01 26 56.2 SKT Skwentna 0.92 312 IAML Pn 01 26 56.2 SKT Skwentna 0.92 312 IAML Pn 01 26 56.2

SKT Skwentna 0.92 312 IAML Pn 01 26 56.2 SKT Skwentna 0.92 312 IAML Pn 01 26 56.2 SKT Skwentna 0.92 312 IAML Pn 01 26 56.2

SKT Skwentna 0.92 312 IAML Pn 01 26 56.2 SKT Skwentna 0.92 312 IAML Pn 01 26 56.2 SKT Skwentna 0.92 312 IAML Pn 01 26 56.2

SKT Skwentna 0.92 312 IAML Pn 01 26 56.2 SKT Skwentna 0.92 312 IAML Pn 01 26 56.2 SKT Skwentna 0.92 312 IAML Pn 01 26 56.2

1d 1h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CAST, M19K, L19K, K20K.

NEIC 01 01:29:30.0z 1.6138N 0103:150:04W 0.05, h47km, 2km, Error ellipse: s-maj=3.8km s-min=3.5km az=176.0

AEIC 01 01:29:30.9z 1.6138N 0101:150:04W 0.05, h40km, 5km, ML2.7, ML2.3/134(NEIC), Error ellipse: s-maj=3.4km

Main table for 1d 1h section, listing stations like Rabbit Creek A, Willow, Glory Hole Cre, etc., with their respective codes and data.

TEH 01 01:33:47.5, 34:31N, 45:62E, h7km, 73km, ML2.6, Error ellipse: s-maj=4.0km s-min=2.6km az=187.0

AEIC 01 01:34:25.7z 0.6, 61.51N 0103:150:06W 0.04, h55km, 4km, ML2.7, ML2.2/94(NEIC), Error ellipse: s-maj=4.0km

Table for TEH and AEIC sections, listing stations like Ghasr-e-Shirin, Gilan-e-Gharb, etc., with their respective codes and data.

NEIC 01 01:34:25.0z 0.6, 61.51N 0103:150:06W 0.04, h55km, 4km, Error ellipse: s-maj=4.0km s-min=2.6km az=187.0

AEIC 01 01:34:25.7z 0.6, 61.51N 0103:150:06W 0.04, h54km, 4km, ML2.7, ML2.2/94(NEIC), Error ellipse: s-maj=4.0km

Main table for NEIC and AEIC sections, listing stations like Willow, Susitna One, etc., with their respective codes and data.

2018 DEC

Table for 2018 DEC section, listing stations like Strandline Lak, Captain Cook N, etc., with their respective codes and data.

NEIC 01 01:45:54.8z 1.1, 61.38N 0101:150:00W 0.05, h44km, 5km, Error ellipse: s-maj=3.5km s-min=1.4km az=120.0

AEIC 01 01:45:55.6z 1.1, 61.38N 0102:150:01W 0.05, h38km, 4km, ML2.8, ML2.3/138(NEIC), Error ellipse: s-maj=3.6km

Main table for 2018 DEC section, listing stations like Rabbit Creek A, Willow, etc., with their respective codes and data.

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AEIC 01 01:55:40.5z 1.0, 61.36N 0102:150:04W 0.05, h40km, 6km, ML2.8, ML2.3/94(NEIC), Error ellipse: s-maj=3.6km

Main table for 10 section, listing stations like Rabbit Creek A, Susitna One, etc., with their respective codes and data.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Denali Highway, RND Reindeer, L20K Farewell, AK, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like K17K, L27K Beaver Creek, J26L Joseph Creek, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like SKT Skwentna, SKT Skwentna, SML Sawmill, etc.

NEIC 01 03:58:06.7 1.1, 61.748N, 0.03-149.96W, 0.05, h46km, 6km, Error ellipse: s-maj=4.1km s-min=3.4km az=168.0

AEIC 01 03:57:11.1, 0.6144N, 0.03-149.98W, 0.05, h45km, 2km, ML2.9, ML3.0/50(NEIC), Error ellipse: s-maj=4.0km s-min=3.4km az=167.0, Southern Alaska

ICD 01 03:46:20.3 1.4, 13.02S, 172.24E, h0km, mb4.2/5, mbmp4.2/5, MS3.1/1, Error ellipse: s-maj=42.2km

NOU 01 03:47:27.0, 13.98S, 171.02E, h621km, mb3.97, Vanuatu Islands Region

ISC 01 03:47:28.1 1.2, 14.05S, 0.2-170.5E, 0.2, h600km, n18, n18b17, mb3.7/5, Vanuatu Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like M22K Willow, SUA Susitna One, Rabbit Creek A, etc.

2018 DEC

Table with columns: Station Name, Code, Station Name, Δ, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PVAQ Vaqueiros, EGRO El Granado, LIS Evora, etc.

Table with columns: Code, Station Name, Δ, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like RCO1 Rabbit Creek A, SUAS Sunita One, M22K Willow, etc.

Table with columns: Station Name, Code, Station Name, Δ, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PENT Pentalosfos, OHRR Ohrid, TIR Tirane, etc.

mbtbp3.5/3, Error ellipse: s-maj=195.3km s-min=24.1km az=65.0

TAP 01 05:18:46.1, 24.40N, 121.69E, h7km±1km, ML1.3, C,

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like KMSI Cibinong, TANI Ternate, SANI Sanana, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like ENA Nanau, ENA Wuta, EWUT Wuta, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like SPNC Chachakata No, SPCR Spurr Chachakata, CKL Chachakama La, etc.

IDC 01 05:11:08.5-8.4, 21.88S, 147.92E, h0km, mbtbp2.8/2, ML2.6/2, Error ellipse: s-maj=76.0km s-min=63.1km az=168.0, Queensland

NOU 01 05:25:15.3, 15.43S, 167.79E, h119km, MLV4.5/11, Vanuatu Islands, Vanuatu Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, 107AU WARRAMUNGA IN27.85 276 I, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like VLAK Lakatoro, DVP Devils Point, KOUN Koumac, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like M20K Styx River, M20K, RDJH Redoubt Jeurge, etc.

NEIC 01 05:25:40.6, 1.61, 46N, 02:149:91W, 0:05, h41km, 4km, Error ellipse: s-maj=3.5km s-min=3.3km az=173.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like EWUT Wuta, ENA Nanau, ENA Aohua, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like M22K Willow, RC01 Rabbit Creek A, RC01 Rabbit Creek A, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like PPLA Purkepylle, M24K Tolsona, Q20K Slope Mountain, etc.

JMA 01 05:17:44.9, 0.1, 24.2N, 0.3, 123.9E, 0.2, h18km, MV1.2/9, NEAR ISHIGAKIJIMA ISLAND, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like JKRS Kuro-shima, IRIE Iriomote-Funau, HATJ Hateruma jima, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like SKT Skwentna, SKT Skwentna, SKT Skwentna, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like P19K Oii Pt, P19K Oii Pt, P19K Oii Pt, etc.

JMA 01 05:18:43.9, 0.1, 24.2N, 0.2, 123.9E, 0.2, h19km, MV0.5/8, NEAR ISHIGAKIJIMA ISLAND, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like JKRS Kuro-shima, IRIE Iriomote-Funau, HATJ Hateruma jima, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like PWL Port Wells, PWL Port Wells, PWL Port Wells, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like PAX Paxson, BMRM Bremner River, CHUM Lake Minchumin, etc.

1d 5h

Table with columns: Station, Frequency, Power, Status, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like BWN, SVW2, RAGM, WASH, WYNG, etc.

2018 DEC

Table with columns: Station, Frequency, Power, Status, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like K17K, BCAR, CTGM, etc.

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Table with columns: Station, Frequency, Power, Status, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like LTY, MRC, MOC, etc.

BUJ 01 05:31:49.5, 61.160N, 149.72W, h46km, mb4.7/29, mB4.9/6
MOS 01 05:31:50.3, 0.8, 61.48N, 150.22W, h40km, mb5.1/32,
Error ellipse: s-maj=14.6km s-min=5.3km az=91.7

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like AKASG, ARCB, DRGR, etc.

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

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like QLP, DZM, DZM, etc.

Table with 5 columns: Station Name, Azimuth, Phase ID, Time Res, and other metadata. Includes stations like AKUM, INCE, KORT, etc.

THE 01 05:43:39.7, 37.51N-20.61E, h10km, 3km, ML2.77, Error ellipse: s-maj=4.2km s-min=0.7km az=36.0

ISC 01 05:43:39.7, 37.51N-20.61E, h15km, 3km, ML2.6/17, Manual Solution by N.Liadopoulos First location: 2018/12/01 05:44:00, This location: 2019/02/06 16:23:10

Table with 5 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Includes stations like KR11, LTHK, PSDA, etc.

BUI 01 05:49:13.8, 20.94S:177.99W, h569km, mb4.8/45, mB5.0/13

NEIC 01 05:49:16.3, 1.7, 20.95S:0.10:178.6W, h562km, 7km, mb5.0/104, Error ellipse: s-maj=14.2km s-min=13.3km az=136.0

NOU 01 05:49:17.1, 20.90S:178.63W, h566km, mb5.2/100, Fiji Islands Region

MOS 01 05:49:17.7, 2.8, 20.81S:178.84W, h560km, mb5.0/18, Error ellipse: s-maj=11.4km s-min=9.6km az=94.8

IDC 01 05:49:17.5, 0.5, 20.91S:178.77W, h569km, 4km, b4.3/32, mb1m5.2/34, Error ellipse: s-maj=8.2km s-min=7.4km az=140.0

Table with 5 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Includes stations like MSVF, FUTO, RAO, etc.

Table with 5 columns: Station Name, Azimuth, Phase ID, Time Res. Includes stations like TWGZ, TOZ, KARZ, URZ, etc.

Table with 5 columns: Station Name, Azimuth, Phase ID, Time Res. Includes stations like TARA, TATA, JCB, AUWS, etc.

Table with 5 columns: Station Name, Azimuth, Phase ID, Time Res. Includes stations like TBH, PAE, PPT2, etc.

Table with 5 columns: Station Name, Azimuth, Phase ID, Time Res. Includes stations like ARMA, ARMA, ARMA, etc.

Table with 5 columns: Station Name, Azimuth, Phase ID, Time Res. Includes stations like ARMA, AUAYR, TVIH, etc.

Table with 5 columns: Station Name, Azimuth, Phase ID, Time Res. Includes stations like ARMA, AUAYR, TVIH, etc.

Table with 5 columns: Station Name, Azimuth, Phase ID, Time Res. Includes stations like STKA, INKA, MAC, etc.

Table with 5 columns: Station Name, Azimuth, Phase ID, Time Res. Includes stations like WRA, WRA, WRA, etc.

Table with 5 columns: Station Name, Azimuth, Phase ID, Time Res. Includes stations like WRA, WRA, WRA, etc.

Table with 5 columns: Station Name, Azimuth, Phase ID, Time Res. Includes stations like WRA, WRA, WRA, etc.

Table with 5 columns: Station Name, Azimuth, Phase ID, Time Res. Includes stations like WRA, WRA, WRA, etc.

Table with 5 columns: Station Name, Azimuth, Phase ID, Time Res. Includes stations like WRA, WRA, WRA, etc.

Table with columns: Station Name, Elevation, Azimuth, Distance, Direction, Date, Time, Status, and other parameters. Includes stations like MCK McKinley, P30M Million Dollar, SKAG Skagway, etc.

Table with columns: Station Name, Elevation, Azimuth, Distance, Direction, Date, Time, Status, and other parameters. Includes stations like D17K Noatak River, S22A 4UR Ranch, G21K Allakaket, etc.

Table with columns: Station Name, Elevation, Azimuth, Distance, Direction, Date, Time, Status, and other parameters. Includes stations like F25K Christian Rive, BMAR Burnt Mountain, G27K Doyon Strip, etc.

2018 DEC

Main data table with columns for station ID, name, coordinates, frequency, and status. Includes sub-sections for '1d 6h', 'ARSA', 'DJA 01 06:00:12.9...', and 'DJA 01 06:03:10.3...'. Each row lists a station with its call sign, location, and various technical parameters.

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 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 Wail, Elevation Wail, Azimuth Howl, Elevation Howl, Azimuth Whimper, Elevation Whimper, Azimuth Whine, Elevation Whine.

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 Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl, Azimuth Whimper, Elevation Whimper, Azimuth Whine, Elevation Whine.

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 Wail, Elevation Wail, Azimuth Howl, Elevation Howl, Azimuth Whimper, Elevation Whimper, Azimuth Whine, Elevation Whine.

GERES GERES Array B 151.66 344 PKPbc PKPbc 06 40 10.8 -0.5
TORD Torodi Ar. Bea 171.16 178 PKP PKPdf 06 40 24.1 -1.4

ISK 01 06:55:24.8, 38°39'N, 141°85'E, h1km, ML2.8/B
AFAD 01 06:55:26.3, 0.0, 38°44'N, 141°81'E, h11km, 3km, ML2.7
ISC 01 06:55:28.1, 2, 38°41'N, 140°03.41, 84E, 0.03, h7km, 10km,
n18, c0875/32, Turkey

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MUSH Mu-Merkez, SRM Siirt_Merkez, SRM Binol, Solhan, AKDM Akdamar-Van, etc.

Table with columns: Code, Station Name, Time, Res. Includes stations like RDT Redout, WATE Soubita Watana, M20K Styx River, RDJH Redout Jeurge, etc.

Table with columns: Code, Station Name, Time, Res. Includes stations like COLA College, COLA College, COLA College, IL31 Elilson Array, etc.

IDC 01 07:07:19.1, 2.5, 61.11N, 150.29W, h0km, mb3.8/5,
mtbms3.77, ML2.8/2, MS3.8/4, Error ellipse: s-maj=55.3km
s-min=23.5km az=139.0

NEIC 01 07:07:28.4, 1.4, 61.39N, 150.00W, 0.07, h47km, 6km,
Error ellipse: s-maj=5.1km s-min=3.5km az=82.0

AEIC 01 07:07:28.4, 1.8, 61.40N, 150.06W, 0.04, h23km, 5km,
ML4.5, mb4.1/6(NEIC), Error ellipse: s-maj=3.9km
s-min=2.7km az=199.0

ISC 01 07:07:27.1, 0.6, 61.41N, 150.05W, 0.04, h42km,
n130, c1951/129, mb4.0/9, MS3.9/3, Southern Alaska

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like RC01 Rabbit Creek A, RC01 Willow, M22K Willow, etc.

1d 7h

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like E18k Tukpahleakir C, D22k Ayikyak River, D23k Namusuk River, etc.

2018 DEC

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like DLBC Dease Lake, CRAG Craig, CRAG Craig, etc.

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Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like FFC Flin Flon, LYMT Lyon Mountain, LYMT Lyon Mountain, etc.

2018 DEC

Main table containing astronomical data for 2018 DEC, including columns for object name, magnitude, position, and other parameters. The table is organized into multiple columns for readability.

NEIC 01 07:14:19.4z.1,6.88S;0.07:104.92E;0.08,h43km,7km, mb4.2/8, Error ellipse: s-maj=12.8km s-min=7.9km az=46.0

DJA 01 07:14:20.5z.1.1,7.5S;6.10E, h30km,10km, M4.2/9, MLV4.2/9

IDC 01 07:14:24.4z.5.4,6.49S;105.21E, h79km,47km, mb3.6/7, mbtmp3.9/8, ML3.8/1, MS3.1/6, Error ellipse: s-maj=58.7km s-min=19.1km az=54.0

ISC 01 07:14:17.5z.0.7,6.86S;0.07:105.05E;0.05,h20km,4km, n51.1,1945/41, mb4.0/10, MS3.0/3, Sunda Strait

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, ISC. Rows include KASI Kota Agung, BLSI Bandar Lampung, SKJI Sukabumi, etc.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, ISC. Rows include LEM Lembang, MNAI Manna, MNAI Manna, CMJI Cimerak, etc.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, ISC. Rows include CMAR Chiang Mai Arr, MTN Marton Dam, PALK Palletek, etc.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, ISC. Rows include H01W3 Cape Leeuwin H, H01W1 Cape Leeuwin H, H01W2 Cape Leeuwin H, etc.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, ISC. Rows include ASAR Alice Springs, ASAR Alice Springs, STKA Stephens Creek, etc.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, ISC. Rows include MK31 Makanchi Array, MKAR Makanchi Array, H04N2 CROZET ISLANDS, etc.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, ISC. Rows include ZALV Zalesovo Beam, ABKAR Akbulak array, BRTR Keskin Array B, etc.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, ISC. Rows include GSPA South Pole Qui, PRU 01 07:17:07.3, 49.85N;18.55E, h0km, Mining Induced, etc.

Table with columns: JMK Ichinoseki, JMK Ichinoseki, JOU Okura, JOU Okura, JMM Marumori, JMM Ohama, JOM Khasawa, etc.

Table with columns: JYK Kaneyama, JYK Kaneyama, JRG Rokugo, JRS Shirataka, JYS OTAMA OYAMA, etc.

Table with columns: ASAJ Asahikawa, ASAJ Asahikawa, USRK Ussuriysk Arr, H1N2 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, etc.

Table with columns: H1N1 WAKE ISLAND Hy, H1N3 WAKE ISLAND Hy, H1S1 WAKE ISLAND Hy, H1S3 WAKE ISLAND Hy, etc.

Table with columns: H1S2 WAKE ISLAND Hy, MKAR Makanchi Array, KURBB Kurchatov Arr, WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: YKA Yellowknife Arr, PDAR Pinedale Array, TXAR Lajitas Array, NEIC 01 07:25:13.6z.1.2, 61.50N;0.03:149.93W, etc.

Table with columns: AEIC 01 07:25:14.2z.1.0, 61.50N;0.02:149.89W, M22K Willow, M22K Willow, M22K Willow, etc.

Table with columns: M22K Willow, M22K Willow, M22K Willow, M22K Willow, M22K Willow, etc.

Table with columns: M22K Willow, M22K Willow, M22K Willow, M22K Willow, M22K Willow, etc.

Table with columns: NEIC 01 07:29:40.1z.1.5, 61.39N;0.02:150.07W, M22K Willow, M22K Willow, etc.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, ISC. Rows include SUSA Susitna One, RC01 Rabbit Creek A, M20K Willow, etc.

Table with columns: M22K Willow, M22K Willow, M22K Willow, M22K Willow, M22K Willow, etc.

Table with columns: M22K Willow, M22K Willow, M22K Willow, M22K Willow, M22K Willow, etc.

Table with columns: M22K Willow, M22K Willow, M22K Willow, M22K Willow, M22K Willow, etc.

Table with columns: M22K Willow, M22K Willow, M22K Willow, M22K Willow, M22K Willow, etc.

Table with columns: M22K Willow, M22K Willow, M22K Willow, M22K Willow, M22K Willow, etc.

Table with columns: M22K Willow, M22K Willow, M22K Willow, M22K Willow, M22K Willow, etc.

Table with columns: M22K Willow, M22K Willow, M22K Willow, M22K Willow, M22K Willow, etc.

Table with columns: Code, Station Name, Az, El, Pn, Res, Time, Res, ISC. Includes entries like GDR Gold River, BBB Bella Bella, BBB Bella Bella, etc.

Table with columns: Code, Station Name, Az, El, Pn, Res, Time, Res, ISC. Includes entries like BLTB Blunt, B927 Port Alberni, PABB Port Alberni, etc.

Table with columns: Code, Station Name, Az, El, Pn, Res, Time, Res, ISC. Includes entries like WVOR Wild Horse Val, MSO Missoula, HATC Hat Creek Radi, etc.

1D 01 07:33:46.2, 0.49, 92Nk, 129.42W, h0km, mb4, 1/8, mbmp4.2/16, ML3.9/8, MS4.0/17, Error ellipse: s-maj=18.7km s-min=9.2km az=65.0

Table with columns: Code, Station Name, Az, El, Pn, Res, Time, Res, ISC. Includes entries like HOLB Holberg, HOLB Holberg, BPBE Brooks Peninsula, etc.

Table with columns: Code, Station Name, Az, El, Pn, Res, Time, Res, ISC. Includes entries like D05A Enunclaw, D05A Enunclaw, F03A Seaside, etc.

Table with columns: Code, Station Name, Az, El, Pn, Res, Time, Res, ISC. Includes entries like E28A Huff, E28A Huff, WUAZ Wupatki, etc.

Table with columns: TXAR, Lajitas Array, 28.39 127 P, P, 07 39 41.6 +0.9. Includes stations like U38A Gravette, HHAR Hobbs, JCT Junction City, etc.

NEIC 01 07:34:30.3z 1.2, 6.1'39N, 0.03z-150.05W, 0.04, h39km, 4km, Error ellipse: s-maj=4.7km s-min=2.9km az=196.0

AEIC 01 07:34:30.7z 1.3, 6.1'40N, 0.02z-150.06W, 0.05, h40km, 4km, M2.8, ML3.0/28(NEIC), Error ellipse: s-maj=3.7km s-min=3.2km az=140.0, Southern Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SUA Sunitna One, RC01 Rabbit Creek A, M22K Willow, etc.

Table with columns: PWL, Port Wells, 1.00 122 Pn, 07 34 47.6 -0.6. Includes stations like SPCG Crater Peak Br, M20K M20K, FID Port Fidalgo, etc.

IDC 01 07:35:03.8z 1.4, 6.1'57N, 150.34W, h47km, 15km, mb3.3, 4/5, mbmp3.6, 9, ML3.4/4, Error ellipse: s-maj=27.6km s-min=10.1km az=110.0

NEIC 01 07:35:04.8z 0.8, 6.1'47N, 0.03z-149.92W, 0.05, h34km, 9km, Error ellipse: s-maj=4.1km s-min=3.3km az=182.0

AEIC 01 07:35:05.7z 1.1, 6.1'46N, 0.02z-149.91W, 0.04, h29km, 7km, M2.8, ML3.7/164(NEIC), Error ellipse: s-maj=3.1km s-min=2.1km az=59.0

ISC 01 07:35:04.4z 1.0, 6.1'47N, 0.03z-149.91W, 0.02, h33km, 3km, n180, o09/96/189, mb3.6/5, Southern Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like M22K Willow, RC01 Rabbit Creek A, GHO Glory Hole Cre, etc.

Table with columns: ILSW, Iliamna Southw, 2.18 228 Pn, 07 35 38.5 +0.2. Includes stations like N19K Bonanza Creek, P19K Oil Pt, O19K Port Alsworth, etc.

1d 7h

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Table listing astronomical objects with columns: PRP, GCSA, L16K, J17K, IMAR, PCA, PINM, H19K, EGAK, G23K, J16K, H18K, H18K, G21K, G21K, G21K, G24K, G24K, DAWY, M29M, I17K, I17K, K15K, Q23M, H17K, L29M, G21K, G21K, K29M, P29M, G17K, F19K, BMAR, F25K, H16K, G27K, E23K, E24K, F18K, F26K, E22K, E19K, G16K, F17K, I30M, TOLK, TOLK, F28M, D23K, E18K, E27K, F17K, D19K, D25K, G30M, C23K, B21K, C27K, E29M, D27M, B22K, INK, YKA, ELK, NVAR, PDAR, TXAR, AKASG, QSPA

Table listing astronomical objects with columns: SUA, RC01, GHO, GHO, KNK, SML, SKT, SKT, STK, STLK, STLK, CUT, SLKM, SLKM, SLKM, SLKM, PWL, G22K, M23K, SPCR, SCM, SCM, SCM, SPNN, WATT, GLI, GLI, GLI, M20K, M24K, M24K, KLU, KLU, KTH, KTH, M19K, CAST, L19K, K20K, K20K

Table listing astronomical objects with columns: PLG, PLG, MAKR, MAKR, MAKR, KEK, KEK, EVR, EVR, EVR, EVR, EVR, TIR, TIR, TIR, PEHC, PEHC, PEHC, SRS, SRS, SRS, SRS, SRS, XOR, XOR, XOR, YOR, YOR, YOR, NEO, NEO, NEO, NEO, TSOUKALADES, L, TSOUKALADES, L, KRB, KRB, KRB, LKD2, LKD2, LKD2, OUR, OUR, OUR, PVO, PVO, KOKK, KOKK, ANX, ANX, ANX, ANX, ANX, ANX, BOSS, BOSS, BARS, BARS, BARS, PDG, PDG, SELS, SELS, SELS, SJES, SJES, SJES, BOVS, BOVS, BOVS, IVAS, IVAS, ZAGS, ZAGS, GRUS, GRUS, DIVS, DIVS, TRUS, TRUS

BEO 01:07:43.37:9.0:6.40:22N:21:59E, h0km,2km, ML2.6/11 SKO 01:07:43:41.1, 40:34N:21:59E, h0km, ML2.8 ATH 01:07:43:41.8, 40:47N:21:58E, h6km,2km, ML2.9/17, Manual Solution by A. Papageorgiou First location: 2018/12/01 07:44:02, The location: 2019/02/07 14:27:07 ML Amplitudes are expressed in micrometers. All distances are expressed in degrees Latitude uncertainty: 2 km; Longitude uncertainty: 1 km THE 01:07:43:42.1, 40:47N:21:58E, h9km,1km, ML2.9/12, Error ellipse: s-maj=1.2km s-min=0.6km az=242.0 ISC 01:07:43:42.0:0.9, 40:47N:0:01:21:58E:0.02, h10km,7km, n75, 0:081/136,3C, Greece

Table listing astronomical objects with columns: Code, Station Name, AZ, Phase ID, Op, ISC, Time, Res, ISC

DC 01:07:43:43:5:3.5, 20:03S:66:34E, h0km, mb3.8/7, mbmp3.8/7, MS3.6/3, Error ellipse: s-maj=124.2km s-min=28.1km az=48.0

ISC 01:07:43:46.4:3.3:20.0S:0:6:66:4E:0:6:h16km,n16, 0:0537/7, mb3.97, MS3.5/3, Mauritius-Reunion region

Table listing astronomical objects with columns: Code, Station Name, AZ, Phase ID, Op, ISC, Time, Res, ISC

TRN 01:07:36:29.5, 15:87N-61.08W, h25km, MD3.5, East of Marie-Galante, Leeward Islands

Table listing astronomical objects with columns: Code, Station Name, AZ, Phase ID, Op, ISC, Time, Res, ISC

TRN 01:07:43:46.4:3.3:20.0S:0:6:66:4E:0:6:h16km,n16, 0:0537/7, mb3.97, MS3.5/3, Mauritius-Reunion region

Table listing astronomical objects with columns: Code, Station Name, AZ, Phase ID, Op, ISC, Time, Res, ISC

MOS 01:07:57:19.5:0.8, 61:41N:150:28W, h50km, mb5.7/65, MS4.2/6, Error ellipse: s-maj=9.9km s-min=3.7km az=92.4 BUJ 01:07:57:19.4, 61:83N:150:59W, h40km, mb5.1/71, mb5.2/25, MS4.9/29, MS7.4/6/33

Table listing astronomical objects with columns: Code, Station Name, AZ, Phase ID, Op, ISC, Time, Res, ISC

Mu-0.03±.09; Mu-0.53±.08; Best double couple:
M=4.750000*10^16 NPT=203.00000°, 854.00000°,
λ=58.00000°. NP2=337.00000°, 647.00000°,
λ=126.00000°. Principal axes: T 4.6940, P4.040,000°,
Az=271.00000°; N 0.1150, Plq25.0000°, Azm3.0000°; P
-4.8070, Plq65.0000°, Azm173.0000°; nsta1 refers to
body waves, cutoff=40s. nsta2 refers to surface waves,
cutoff=50s. Triangular moment-rate function
AEIC 01 07:57:22.6, 1.7, 61.36N, 0.02:149.99W, 0.05, h43km, 4km,
MLS.2, mbs.4/145(NEIC), MLS.4/212(NEIC),
MWS.0/114(NEIC), MWS.0/88(NEIC) Error ellipse:
s-maj=3.4km s-min=3.4km az=101.0
NEIC 01 07:57:22.2, 61.35N, 149.98W, h34km
BGR 01 07:57:27.5, 62.52N, 150.62W, h33km, mbs.8, Ms.4.1
ISC 01 07:57:21.0, 62.6135N, 0.03:150.08W, 0.02, h51km, 1km,
h51km; p-P, N1445, s1919/1541, mb, 5.4/269, Ms4.2/92,
46C-111D, Southern Alaska

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC Pn, h, m, s, Res, ISC. Lists seismic stations including Rabbit Creek A, Susitna One, Willow, Glory Hole Cre, Captain Cook N, Knik Glacier, Skilak Lake, Strandline Lak, Cooper Landing, Spurr Capps G1, Sawmill, Port Wells, Crater Peak Br, Chakachata No, Mount Spurr, Spurr Chakacha, Chulitna, Chakachamna La, Spurr West, Glacier View, North Nagahisia, Seward, Redoubt, Styx River, Redoubt West, Bradley Lake S, Bradley Lake N, Susitna Watana, Slope Mountain, Purkeypile, Port Fidalgo, Homer, Montague Island, China Poot, Illamna Volcan.

Table with columns: HIN, Hinchinbrook I, 199 117, Pn, 07 57 51.9 -0.3, IAML, 07 58 24.1, L18K, comp=N, 9μm, 0.9s, IAML, 07 59 19.7, L18K, comp=E, 7μm, 1.2s, 3.26 288 P, Pn, 07 58 11.1 +1.6, BERG, Wood Lake, 3.26 104 P, Pn, 07 58 09.1 -0.5, WRH, Wood River Hill, 3.27 15 IAML, 07 59 09.8, WRH, comp=N, 6μm, 0.9s, IAML, 07 59 16.2, NEA2, Nenana, 3.29 8 P, Pn, 07 58 10.3 +0.4, NEA2, Nenana, 3.29 8 P, Pn, 07 58 10.5 +0.6, MENT, Mentasta, 3.38 59 P, Pn, 07 57 11.4 +0.2, HDA, Harding Lake, 3.39 24 IAML, 07 58 12.9 +1.6, HDA, comp=E, 10μm, 1.4s, IAML, 07 59 08.4, HDA, comp=N, 11μm, 0.6s, IAML, 07 59 09.6, HDA, Harding Lake, 3.39 24 P, Pn, 07 58 12.6 +1.3, MCARA, McCarthy VSAT, 3.40 86 P, Pn, 07 58 12.8 +1.5, MCARA, McCarthy VSAT, 3.40 86 P, Pn, 07 58 11.4 0.0, J20K, Nowinta River, 3.40 328 IAML, 07 58 11.8 +0.4, J20K, comp=N, 7μm, 0.6s, IAML, 07 58 53.3, J20K, comp=N, 7μm, 0.6s, IAML, 07 59 22.5, J20K, comp=E, 10μm, 0.7s, 3.40 328 P, Pn, 07 58 12.4 +1.0, RIDG, Independent R, 3.41 43 P, Pn, 07 58 13.2 +1.6, RIDG, Independent R, 3.41 43 P, Pn, 07 58 13.0 +1.3, CROQ, Cirque, 3.43 97 P, Pn, 07 58 12.1 +0.2, CROQ, Cirque, 3.43 97 P, Pn, 07 58 12.0 -0.2, CCB, Clear Creek Bu, 3.47 16 P, Pn, 07 58 13.1 +0.7, M26K, Nabesna, AK, 3.52 69 IAML, 07 58 12.7 +0.3, M26K, comp=N, 7μm, 1.1s, IAML, 07 59 21.3, M26K, comp=E, 6μm, 0.8s, 3.52 69 P, Pn, 07 58 13.4 +0.4, M17K, Holtina River, 3.54 274 Pn, Pn, 07 58 14.6 +1.3, M17K, Holtina River, 3.54 274 Pn, Pn, 07 58 15.1 +1.8, N17K, Nushagak Hills, 3.56 260 IAML, 07 58 14.7 +1.1, N17K, comp=E, 10μm, 0.7s, IAML, 07 59 57.3, N17K, comp=N, 8μm, 1.1s, 3.56 260 P, Pn, 07 58 15.3 +1.7, TGL, Tana Glacier, 3.57 96 IAML, 07 58 13.4 -0.5, TGL, comp=E, 7μm, 0.7s, IAML, 07 59 15.5, L26K, Log Cabin Wild, 3.58 59 IAML, 07 58 14.4 +0.6, L26K, comp=N, 8μm, 0.9s, 3.58 59 P, Pn, 07 58 14.9 +1.1, DOT, Dot Lake, 3.62 48 P, Pn, 07 58 15.3 +0.8, KAHG, Katmai Hook G1, 3.64 220 P, Pn, 07 58 16.2 +1.4, KAHG, Katmai Hardscr, 3.67 225 P, Pn, 07 58 16.6 +1.4, Q18K, Katmai Hardscr, 3.67 225 P, Pn, 07 58 16.6 +1.4, PTPK, Patty Peak, 3.68 89 P, Pn, 07 58 15.6 +0.2, COLA, College, 3.68 15 P, Pn, 07 58 16.4 +1.1, COLA, College, 3.68 15 P, Pn, 07 58 16.2 +1.0, COLA, College, 3.68 15 P, Pn, 07 58 15.3 +0.1, J19K, Poorman, 3.69 319 Pn, Pn, 07 58 15.6 +0.3, J19K, comp=E, 6μm, 1.0s, IAML, 07 59 14.9, J19K, comp=N, 6μm, 1.2s, IAML, 07 59 37.7, J19K, Poorman, 3.69 319 P, Pn, 07 58 16.4 +1.0, MLY, Manley, 3.71 356 P, Pn, 07 58 16.3 +0.6, MLY, Manley, 3.71 356 P, Pn, 07 58 16.1 +0.4, ILAR, Elsieon Array, 3.73 22 P, Pn, 07 58 16.4 +0.4, ILAR, comp=N, 265nm, 0.6s, 3.73 22 P, Pn, 07 58 16.4 +0.4, ILAR, comp=N, 585nm, 0.7s, 3.73 22 P, Pn, 07 58 16.4 +0.4, SNH, Sunshine Point, 3.74 105 IAML, 07 58 15.5 -0.6, SNH, comp=E, 5μm, 0.8s, IAML, 07 59 19.1, SNH, comp=N, 4μm, 1.1s, 3.75 307 P, Pn, 07 58 17.3 +1.1, J18K, Innoko River, 3.75 307 P, Pn, 07 58 17.8 +1.6, BALM, Baldy, 3.76 91 P, Pn, 07 58 16.2 -0.2, KIAG, Kiagna River, 3.77 93 P, Pn, 07 58 16.5 -0.1, KDAK, Kodiak Island, 3.79 201 IAML, 07 58 16.7 -0.2, KDAK, comp=N, 5μm, 0.9s, IAML, 07 59 20.8, KDAK, comp=N, 4μm, 0.9s, IAML, 07 59 35.9, KDAK, Kodiak Island, 3.79 201 P, Pn, 07 58 15.6 -1.2, KDAK, comp=N, 90nm, 0.3s, 3.79 201 P, Pn, 07 59 01.2 +1.1, KDAK, Kodiak Island, 3.79 201 P, Pn, 07 58 16.6 -0.2, KDAK, Kodiak Island, 3.79 201 dEP, Pn, 07 58 16.8 0.0, O17K, Koliganek Bris, 3.81 249 P, Pn, 07 58 18.5 +1.6, O17K, Koliganek Bris, 3.81 249 P, Pn, 07 58 18.6 +1.6, BARK, Barkley Ridge, 3.83 101 P, Pn, 07 58 17.2 -0.2, I23K, Minto, Yukon-K, 3.83 5 P, Pn, 07 58 18.2 +0.9, I23K, comp=E, 5μm, 1.1s, IAML, 07 59 28.5, I23K, comp=N, 5μm, 0.9s, IAML, 07 59 28.5, I23K, Minto, Yukon-K, 3.83 5 P, Pn, 07 58 18.2 +0.9, P17K, Kvichak River, 3.83 239 P, Pn, 07 58 19.0 +1.8, P17K, Kvichak River, 3.83 239 P, Pn, 07 58 19.1 +1.8, SCRK, Sand Creek, 3.85 44 IAML, 07 58 18.8 +1.0, SCRK, comp=E, 8μm, 0.9s, IAML, 07 59 21.4, SCRK, comp=N, 4μm, 0.7s, IAML, 07 59 21.9, SCRK, Sand Creek, 3.85 44 P, Pn, 07 58 18.0 +0.2, J25K, Salcha River, 3.92 31 IAML, 07 58 19.1 +0.5, J25K, comp=E, 6μm, 0.7s, IAML, 07 59 26.2, J25K, comp=N, 4μm, 0.8s, IAML, 07 59 26.2, J25K, Salcha River, 3.92 31 P, Pn, 07 58 19.7 +1.1, I21K, Tanana, 3.94 348 IAML, 07 58 19.6 +0.8, I21K, comp=E, 5μm, 0.9s, IAML, 07 59 36.4, I21K, Tanana, 3.94 348 P, Pn, 07 58 19.8 +0.9, POKR, Poker Plat Res, 3.97 16 IAML, 07 58 19.9 +0.7, POKR, comp=N, 4μm, 0.9s, IAML, 07 59 32.4, POKR, comp=N, 4μm, 0.7s, 3.97 16 P, Pn, 07 58 20.0 +0.7, POKR, Poker Plat Res, 3.99 285 P, Pn, 07 58 20.9 +1.5, L17K, Donlin, 3.99 285 P, Pn, 07 58 21.1 +1.6, L17K, Donlin, 3.99 285 P, Pn, 07 58 21.1 +1.6, I20K, Naaghedeneel, 4.00 332 Pn, Pn, 07 58 20.4 +0.8, I20K, Naaghedeneel, 4.00 332 P, Pn, 07 58 21.1 +1.5, M27K, Edge Creek, AK, 4.02 72 P, Pn, 07 58 20.5 +0.6, M27K, Edge Creek, AK, 4.02 72 P, Pn, 07 58 21.2 +1.2, GRNC, Granite Creek, 4.09 95 IAML, 07 58 21.0 -0.2, GRNC, comp=N, 4μm, 1.0s, IAML, 07 58 22.4 +1.3, K17K, Iditarod, 4.11 293 IAML, 07 59 45.7, K17K,

1d 7h

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Table with columns: Name, Frequency, Bandwidth, Mode, Power, and other technical details. Includes stations like DAVA, BIOA, BRIU, CD2, etc.

Table with columns: Name, Frequency, Bandwidth, Mode, Power, and other technical details. Includes stations like PVIS, BLY, TCLR, CFR, etc.

Table with columns: Name, Frequency, Bandwidth, Mode, Power, and other technical details. Includes stations like PBDV, PEHC, SDV, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like KDU Kakadu, ETMB Extrema, CTA Charters Tower, etc.

TEH 01 07:59:47.2, 34.48N, 45.83E, h6km, 103km, ML2.6
ISN 01 07:59:47.4, 0.7, 34.54N, 45.81E, h18km, 871km, ML2.9
ISC 01 07:59:47.6, 0.9, 34.47N, 45.84E, 0.03, h10km, n12,
<0.86/15, Iran-Iraq border region

IDC 01 08:02:47.1, 2.0, 61.46N, 150.18W, h46km, 18km, mb3.8/18,
mbmp4.0/22, ML3.7/4, Error ellipse: s-maj=17.7km
s-min=14.3km az=91.0
NEIC 01 08:02:48.2, 0.8, 61.31N, 0.03, 149.95W, 0.02, h50km, 5km,
Error ellipse: s-maj=3.7km s-min=1.3km az=179.0,
Moment Tensor Solution, Moment tensor: Scale 10^14 Nm,
Mn=2.53; Mm=0.41; Mzz=2.11; Mxx=1.67; Myy=1.71; Mxy=7.91;
Fault plane solution: M=8.59000x10^14 NP1;
<0.305, 74000, > 8.12, 01000, > -1.30, 77000, > NP2;
<0.167, 13000, > 8.90, 30000, > -1.32, 09000, > Principal axes:
T=8.7112, P1g35.0000, Azm250.0000, N=0.2549,
P1g8.0000, Azm346.0000, P=8.4563, P1g53.0000,
Azm87.0000,
AEIC 01 08:02:49.0, 1.2, 61.30N, 0.02, 149.94W, 0.05, h45km, 3km,
ML3.9, mb4.3/18(NEIC), ML4.0/18(NEIC),
Mw3.9/16(NEIC) Error ellipse: s-maj=3.6km s-min=2.9km
az=62.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like RC01 Rabbit Creek A, SUA Susitna One, M22K Willow, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like GHO Knik Glacier, CAPN Captain Cook N, SKMK Skiak Lake, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like CAST Castle Rocks, O19K Port Alsworth, L19K White Mountain, etc.

Table with columns: Call Sign, Station Name, Azimuth, Elevation, Power, Mode, Frequency, and other parameters. Includes stations like CTG, L27K, CTGM, M16K, LOGN, O16K, H23K, L16K, L16K, H24K, PRP, PRP, J17K, O28M, N15K, N15K, H19K, H19K, EGAK, H18K, G21K, H17K, DAWY, H17K, M14K, G18K, I28R, F21K, F21K, P29M, F20K, F24K, M13K, O30N, F26K, G16K, E19K, WHY, F29M, E27K, F15K, M11K, N32M, P33M, INK, YKA, B08A, MXC, G05A, RES, J05D, LYMT, FCC, RLMT, LAO, PNTR, NVAR, PDAR, FRB, E38A, G40A, SUMG, SFJD, E46A, P40A, TXAR, ARCES, KRSR, SONM, NOA, FINES, HFS, EKA, BVAR, KURBB.

Table with columns: Call Sign, Station Name, Azimuth, Elevation, Power, Mode, Frequency, and other parameters. Includes stations like MKAR, AKASA, ESDC, BOSA, GSPA, H08S1, H08S2, H08S3, H04N2, H04N1, H04N3, PALK, LBTB, BOSA, PSI, SUR, TSUM, CMAR, ASAR, WRA, BRTR, MKAR, KURBB, BVAR, ZALV, SONM, AKASG, JNU, KRSR, URZ, RCBR.

NEIC 01 08:19:56.6; 1.4, 61.48N; 0.02:149.98W; 0.05, h48km, 5km, Error ellipse: s-maj=3.6km s-min=3.1km az=163.0
AEIC 01 08:19:57.2; 1.0, 61.47N; 0.02:149.94W; 0.05, h45km, 4km, ML-3.0, ML-3.4/100(NEIC), Error ellipse: s-maj=3.6km s-min=2.8km az=79.0

Table with columns: Call Sign, Station Name, Azimuth, Elevation, Power, Mode, Frequency, and other parameters. Includes stations like M22K, M22K, M22K, M22K, M22K, SUA, SUA, SUA, SUA, SUA, RC01, RC01, RC01, RC01, RC01, GHO, GHO, GHO, GHO, KNK, KNK, KNK, KNK, SML, SML, SML, SML, SML, SML, STLK, STLK, SKT, SKT, SKT, SKT, CAPN, CAPN.

Table with columns: Call Sign, Station Name, Azimuth, Elevation, Power, Mode, Frequency, and other parameters. Includes stations like CAPN, CAPN, CUT, CUT, CUT, CUT, SLKM, SLKM, SLKM, SLKM, O22K, O22K, O22K, PWL, PWL, PWL, PWL, SPCG, SPCG, SPCN, M23K, M23K, N20K, SPCR, SPCR, SPCR, SCM, SCM, SCW, SEW, SEW, WAT7, RDT, GLI, GLI, WAT1, WAT1, WAT6, M20K, M20K, RDJH, RDWB, RED, BRLK, BRLK, PPLA, PPLA, FID, FID, O20K, O20K, M24K, M24K, M24K, KLU, KLU, P23K, P23K, HIN, HIN, HIN, RND, DHY, DIV, KTH, M19K, ILSW, ILSW, CAST, N19K, L19K, O19K, N25K, N25K, N25K, BPAW, BPAW, K20K, K20K, K20K, SVW2, RAGN, N18K, O18K, O18K, O18K, SYI, O19K, VRDI, VRDI, VRDI, VRDI, L18K, L18K, L18K.

Table with columns: Code, Station Name, Az, El, Pn, Res, Time, Res. Includes stations like J20K, MCARA, CCB, CRQM, M26K, TGL, COLA, M17K, MLY, IL31, ILAR, J19K, I23K, SNH, SCRK, J25K, POKR, M27K, GRNC, K17K, BCAR, CTGM, J26L, M16K, H23K, LOGN, H21K, O16K, H24K.

IDC 01 08:21:07.3z-1.6, 61.50N:150.53W, h43km, 20km, mb3.87, mbtmp3.9/11, ML3.3/4, MS3.1/1, Error ellipse: s-maj=42.6km s-min=9.8km az=114.0 NEIC 01 08:21:08.4z-1.1, 61.46N:150.03W, h49W, 0.04, h36km, 11km, ML3.8/102, Error ellipse: s-maj=3.9km s-min=2.7km az=180.0

ISC 01 08:21:07.7z-0.8, 61.45N:150.02W, 0.03, h46km, 6km, n97, r130/115, mb4.17, Southern Alaska

Table with columns: Code, Station Name, Az, El, Pn, Res, Time, Res. Includes stations like M22K, M22K, M22K, SUA, SUA, SUA, SUA, SUA, RC01, RC01, GHO, GHO, GHO, KNK, KNK, KNK, KNK, STLK, STLK, CAPN, CAPN, SML, SML, SML, SKT, SKT, SKT, SKT, SLKM, SLKM, SLKM, CUT, CUT, CUT, O22K, O22K, O22K, PWL, PWL, PWL, N20K, SPCR, M23K, SCM, SCM, GLI, W20K, M21K, PPLA, M24K, M24K, KLU, KLU, CNPM, RND, RND, RND, DHY, DHY.

Table with columns: Code, Station Name, Az, El, Pn, Res, Time, Res. Includes stations like DHY, ILSW, ILSW, KTH, KTH, CAST, P19K, P19K, P19K, O19K, O19K, O19K, N25K, N25K, BPAW, BPAW, SVWZ, BWN, GLB, GLB, GLB, O18K, O18K, O18K, SYI, SYI, SYI, O19K, KAIM, KAIM, WRH, WRH, TTA, NEA2, P18K, MENT, RIDG, CCB, CCB, COLA, COLA, COLA, MLY, ILAR, ILAR, I23K, I23K, I23K, POKR, POKR, POKR, KDAK, KDAK, KDAK, KDAK, KDAK, KDAK, I20K, LOGN, LOGN, LOGN, L16K, OHAK, OHAK, OHAK, PRP, PRP, PRP, J17K, J17K, I17K, FVU, HYT, F24K, BMAR, I30M, FOLK, F28M, EPYK, FARO, C24K, C27K, F31M, INK, INK, INK, DLBC, YKA, FINES, EKA, BVAR, MKAR, AKASG, ESDC, CMAR, CMAR.

IDC 01 08:30:31.0z-0.35, 49.28N:150.70E, h454km, 309km, mb3.3/5, mbtmp4.1/5, Error ellipse: s-maj=332.7km s-min=1.4km az=1.0, Northwest of Kuril Islands

Table with columns: Code, Station Name, Az, El, Pn, Res, Time, Res. Includes stations like YKA, FINES, HFS, AKASG, SCHO.

IDC 01 08:34:10.2z-0.7, 35.98N:70.56E, h103km, 5km, mb3.7/19, mbtmp4.2/22, Error ellipse: s-maj=12.7km s-min=11.4km az=32.0

BUJ 01 08:34:12.2z-5.36, 28N:70.67E, h109km, mb4.5/25, mb4.8/5, NEIC 01 08:34:12.2z-5.36, 28N:70.67E, h109km, mb4.5/25, mb4.8/5, az=173.0

NINC 01 08:34:16.7z-3.4, 36.60N:70.67E, h112km, 40km, mb4.2, mpv4.7, Error ellipse: s-maj=31.3km s-min=20.6km az=163.0

ISC 01 08:34:10.7z-0.4, 36.14N:0.05z-0.05, h100km, n114, r138/128, mb4.3/37, 6C-4D, Hindu Kush region

Table with columns: Code, Station Name, Az, El, Pn, Res, Time, Res. Includes stations like KBL, SIMJ, GAR, NIL, DRK, KSH, KSH, KSH, DHRM, DHRM, DHRM, AML, BHK, BHK, BHK, NRN, UCH, KK31, KK31, KK31, KKAR, KKAR, EK2S, SDNR, SDNR, AAK, AAK, AAK, KBK, FRU1, SMLA, SMLA, SMLA, CHMS, USP, TKM2, TKM2, TKM2, KDJ, WUSH, DDI, DDI, DDI, MDOK, MDOK, PRZ, NPLP, NPLP, NPLP, NPLP, MAKZ, MK31, MK31, MKAR, BHPL, WMQ, WMQ, AB31, ABKAR, ABKAR, KURBB, KURBB, KURK, KURK, KURK, BVAO, BVAR, BVAR, BRVK, BRVK, AKTO, AKTO, AKTO, GOMU, GOMU, ZAAO, ZAAO, ZAAO, ZAAO, ZAAO, GNI, SHL.

2018 DEC

Table with columns: ID, Name, Az, El, Pn, Az, El, Pn, Az, El, Pn, Az, El, Pn. Includes entries like Q23K Middleton Isla, PAX Paxson, SVW2 Sparrevohn, etc.

Table with columns: Code, Station Name, Az, El, Pn, Az, El, Pn, Az, El, Pn, Az, El, Pn. Includes entries like M16K Kokkok River B, LOGN Logan Glacier, H23K Yukon River, etc.

Table with columns: SML, Name, Az, El, Pn, Az, El, Pn, Az, El, Pn, Az, El, Pn. Includes entries like SML Sawmill, SKLKM Skiaik Lake, SKT Skwentna, etc.

ISN 01 09:05:02.7, 0.7, 34.177N, 45.63E, h14km, 24km, ML2.5
TEH 01 09:05:03.2, 34.18N, 45.62E, h14km, 15km, ML2.5
ISC 01 09:05:03.4, 1.0, 34.19N, 0.04, 45.61E, 0.04, h10km, n11,
o:085/15, Iran-Iraq border region

NEIC 01 09:12:03.3, 1.3, 61.39N, 0.02, 150.02W, 0.04, h43km, 4km,
Error ellipse: s-maj=3.6km s-min=3.0km az=194.0
IDC 01 09:12:04.0, 1.4, 61.51N, 150.18W, h58km, 14km, mb3.6/12,
mbtm3.8/17, MS3.1/6, Error ellipse: s-maj=13.7km
s-min=9.3km az=108.0

AEIC 01 09:12:04.2, 1.4, 61.39N, 0.02, 150.01W, 0.05, h43km, 7km,
ML3.7, mb3.7/18(NEIC), ML3.9/20(NEIC), Error ellipse:
s-maj=3.1km s-min=2.9km az=80.0
ISC 01 09:12:02.9, 0.7, 61.40N, 0.03, 150.01W, 0.02, h44km, 6km,
n257, r1903/228, mb3.8/20, MS3.1/4, Southern Alaska

Table with columns: Code, Station Name, Az, El, Pn, Az, El, Pn, Az, El, Pn, Az, El, Pn. Includes entries like RC01 Rabbit Creek A, M22K Willow, SUA Susitna One, etc.

Table with columns: SOKI, I S, Sn, 09 37 59.8 +0.4, 09 38 03.3, 09 37 43.9 -0.7, 09 37 44.5 -0.4, 09 38 01.9 +1.3, 09 38 10.6, 09 37 44.3 -0.6, 09 37 44.7, 09 38 01.5 +0.8, 09 37 44.5 -0.4, 09 37 45.2 -0.7, 09 37 47.9, 09 38 03.5 +1.0, 09 37 45.5 -1.6, 09 38 05.9 +1.2, 09 38 07.1, 09 37 46.3 -0.8, 09 38 04.9 +0.2, 09 38 07.0, 09 37 48.1 -0.7, 09 37 48.0 -0.8, 09 38 08.7 +1.0, 09 38 15.6, 09 37 48.4 -0.5, 09 38 11.3, 09 37 48.0 -1.0, 09 38 08.8 +0.8, 09 37 47.8 -1.1, 09 39 11.6, 09 37 48.6 -0.9, 09 38 08.8 -0.2, 09 38 14.3, 09 38 10.5 +1.1, 09 37 48.2 -1.7, 09 37 48.4 -1.6, 09 38 12.9 +3.1, 09 38 15.5, 09 37 49.5 -1.2, 09 38 11.3 +0.3, 09 37 50.6 -0.1, 09 37 50.8 0.0, 09 38 17.0, 09 37 49.7 -1.3, 09 38 09.5, 09 37 51.9 -0.3, 09 37 53.0 -0.8, 09 37 53.0 -0.8, 09 38 30.0, 09 38 08.5 +0.4, 09 38 43.2 +0.9, 09 38 51.8, 09 37 51.9 -0.3, 09 37 53.0 -0.8, 09 38 30.0, 09 38 08.5 +0.4, 09 38 43.2 +0.9, 09 38 51.8

NNC 01 09:38:13.6:13.0,37.31N:70:54E, h0km, mb4.5, mpv4.4, Error ellipse: s-maj=122.7km s-min=83.8km az=157.0, IDC 01 09:38:25.0:2.0,38:33N:70:60E, h0km, mb3.8, 1.2, mbtmp3.9/19, ML3.5/7, MS3.4/2, Error ellipse: s-maj=17.3km s-min=14.0km az=152.0, ISC 01 09:38:28.2:0.9,38:53N:0:09:70:33E:0:09, h10km, n22, c230/24, mb3.9/10, 3C-1D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, AZ, Op, Phase ID, ISC, Time, Res, 09 39 39.3 +3.6, 09 39 39.2 +1.8, 09 40 51.5 -3.4, 09 39 46.3 +4.4, 09 39 46.3 +0.5, 09 40 40.0 -5.9, 09 41 06.6, 09 39 53.7 +4.5, 09 39 56.0 +4.7, 09 39 56.0 +3.1, 09 39 58.8 +2.4, 09 39 59.0 +2.7, 09 41 11.4 +6.9, 09 41 19.5 -0.6, 09 41 32.7 -1.1, 09 41 37.2 -1.3, 09 45 23.7, 09 41 52.1 -1.2, 09 41 57.4 +0.3, 09 41 57.5 +0.4, 09 42 40.0 -2.4, 09 42 56.5 +0.6, 09 53 35.9, 09 43 14.2 -0.3, 09 44 49.2 +1.0, 01 01 21.5, 09 45 24.5 -0.3, 09 45 56.7 +1.7, 09 46 13.2 +0.9, 09 46 23.1 +0.1, 09 48 07.9 +0.5, 09 49 10.5 +0.1, 09 49 51.1 -0.4, 09 50 32.3 -0.9, 09 50 54.2 -2.3

Table with columns: ASAR, Alice Springs, 85.85 125 P, 0.5nm, 0.7s, baz=315, slow=5.2, SNR=6.8, 09 51 05.9 -2.3, IDC 01 09:40:35.0:1.0,38:34N:70:59E, h0km, mb3.9/10, mbtmp3.9/17, ML3.2/7, MS3.4/1, Error ellipse: s-maj=18.5km s-min=17.2km az=155.0, NNC 01 09:40:36.3:2.6,38:34N:70:03E, h0km, mb4.3, mpv4.0, Error ellipse: s-maj=23.8km s-min=15.4km az=168.0, ISC 01 09:40:38.4:1.0,38:33N:0:1:70:33E:0:10, h23km, n22, c230/24, mb3.9/10, 3C-2D, Afghanistan-Tajikistan border region

NEIC 01 09:42:17.2:2.0,61:46N:0:01:149:93W:0:04, h34km, gkm, Error ellipse: s-maj=2.7km s-min=1.8km az=67.0, AEIC 01 09:42:17.5:2.1,61:47N:0:02:149:93W:0:04, h22km, 7km, ML2.3, ML2.5/50(NEIC), Error ellipse: s-maj=3.8km s-min=2.5km az=55.0, Southern Alaska

Table with columns: Code, Station Name, Az, AZ, Op, Phase ID, ISC, Time, Res, 09 42 31.7, 09 42 25.5 +0.1, 09 42 32.3, 09 42 25.9 0.0, 09 42 33.3 -1.5, 09 42 28.0 -1.1, 09 42 37.8 -0.3, 09 42 31.7, 09 42 29.9 -1.3, 09 42 31.8 -1.8, 09 42 44.5 0.0, 09 42 33.2 -1.6, 09 42 45.7 -0.8, 09 42 46.2, 09 42 32.9 -2.2, 09 42 45.8 -1.2, 09 42 46.0, 09 42 34.3 -1.1, 09 42 37.9 0.0, 09 42 49.7, 09 42 33.7 -2.0, 09 42 49.6, 09 42 34.0 -1.7, 09 42 48.7, 09 42 51.6, 09 42 34.3 -1.5, 09 42 49.9, 09 42 50.1, 09 42 34.6 -1.9, 09 42 51.5 -0.5, 09 42 36.0 -2.1, 09 42 36.0 -2.0, 09 42 49.7 -1.7, 09 42 40.6 -0.6, 09 42 41.2 -1.7, 09 42 41.3 -1.7, 09 43 01.5 -0.3, 09 42 47.9 -1.4, 09 43 02.2 -0.9, 09 42 43.8 -0.6, 09 43 07.2 -0.2, 09 42 48.5 -0.2, 09 43 13.6 -1.6, 09 42 51.8 -0.5, 09 42 51.0 -1.3, 09 44 00.2, 09 42 52.3 -0.7, 09 43 55.7, 09 43 56.5, 09 42 52.9 -1.3, 09 44 17.6, 09 42 55.8 -0.4

Table with columns: BPAW, Bear Paw Mtn, 2.71 350 Pn, Pn, 09 42 58.9 -0.8, 09 44 20.0, 2.72 317 Pn, Pn, 09 42 59.0 -0.8, 09 43 06.1 -1.7, 3.35 327 Pn, Pn, 09 43 07.1 +1.2, 3.61 273 Pn, Pn, 09 43 10.7 -1.3, NEIC 01 09:54:01.9:1.2,61:47N:0:02:150:05W:0:05, h34km, 1km, Error ellipse: s-maj=3.6km s-min=3.0km az=196.0, AEIC 01 09:54:02.6:1.1,3.61:47N:0:02:150:04W:0:05, h31km, 7km, ML2.5, ML2.6/88(NEIC), Error ellipse: s-maj=3.2km s-min=2.0km az=66.0, Southern Alaska

Table with columns: LOGN, comp, IAML, Time, Res. Includes entries like H24K Noodor Dome, IMAR Indian Mountain, G18K Tagagavik, etc.

MOS 01 09:56:22.4+1.1, 42.90N:145.50E, h53km, mb4.5/1, Error ellipse: s-maj=12.8km s-min=8.4km az=77.5

NIED 01 09:56:23.9, 42.98N:145.40E, h48km, MW4.0, Moment Tensor Solution. s3 Moment tensor: Scale 1015Nm; Mn:0.78; Mw:-0.31; Ms:-0.47; Mo:0.14; Mx:-0.37; My:0.64;

JMA 01 09:56:23.9, 0.1, 43.0N:0.5:145.4E:0.6, h48km, MD3.9/40, MW4.0/40, OFF NEUMORO PENINSULA

JMA Fc11 01 09:56:24.0, 42.95N:0.07:145.5E:0.1, h57km, 7km, mb4.3/2.1, Error ellipse: s-maj=13.8km s-min=7.4km az=57.0

SKHL 01 09:56:24.3, 0.5, 43.00N:145.60E, h59km, 4km, mb4.7/2, IDC 01 09:56:25.8, 2.5, 42.86N:145.36E, h67km, 19km, mb3.7/1.6, mbmp3.9/20, MS3.0/6, Error ellipse: s-maj=25.3km s-min=17.6km az=9.0

ISC 01 09:56:23.0, 8.42, 95N:0.05:145.49E:0.04, h44km, 7km, n99, c093/101, mb4.1/27.2C-14D, Hokkaido region

Main table of seismic events with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like JKHN Kushirohmanak, NEM2 Nemuro 2, NMR Nemuro-Hokkai, etc.

Main table of seismic events with columns: H11N2 WAKE ISLAND Hy 29.33 135 T T, H11N1 WAKE ISLAND Hy 29.34 135 T T, H11N3 WAKE ISLAND Hy 29.35 135 T T, etc.

Table of seismic events with columns: DMLN Damouliana-K, DMLN Damouliana-K, DMLN Damouliana-K, etc.

IDC 01 09:59:49.2, 1.6, 0.97N:126.16E, h0km, mb3.7/5, mbmp3.7/5, Error ellipse: s-maj=17.1km s-min=19.7km az=66.0

DJA 01 09:59:53.9, 0.4, 1.1N:5.12E, h10km, M3.7/7, MLv3.7/7, ISC 01 09:59:55.7, 1.0, 0.90N:1.126:10E:0.07, h44km, n8, c065/9, mb3.7/5, Northern Molucca Sea

Table of seismic events with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like TNTI Ternate, KMSI Cibinong, SANI Sanana, etc.

ASAR Alice Springs 25.52 163 P 10 05 20.9 +0.6, MSKAL Makanchi Array 59.58 327 P 10 09 54.2 -0.8

KURBB Kurchatov Arra 68.83 328 P 10 10 22.5 -1.0, BVAR Borovoye Array 69.39 328 P 10 10 59.4 +0.4

BER 01 10:00:02.6, 3.6, 81.76N:4.16W, h10km, mb(Pn)3.3, ML1.7(DNK), Confirmed Earthquake

DNK 01 10:00:03.2, 1.4, 81.70N:5.54W, h23km, 13km, ML1.7, KOLA 01 10:00:07.0, 81.77N:1.64W, h0km, ML2.4, Error ellipse: s-maj=117.7km s-min=29.2km az=40.0, Arctic Ocean, Knipovich ridge, north

FCIAR 01 10:00:07.0, 81.41N:1.79W, h10km, station ZF12 has station magnitude of 4.00, ISC 01 10:00:00.1, 2.1, 81.65N:0.08:3.93W:0.05, h10km, n21, c250/34, North of Svalbard

Main table of seismic events with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like NOR Nord, NOR Nord, NOR Nord, etc.

SCB 01 10:08:59.3:1.3,16.97S:64.56W,h12km,9km,ML3.5/2, Error ellipse: s-maj=5.4km s-min=3.8km az=0.0 VAO 01 10:09:05.3:0.6,17.18S:64.59W,h124km,21km,mb4.0 ISC 01 10:09:06.6:1.1,17.07S:0.05:64.60W,0.04,h35km,n20, o1527/27,Central Bolivia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AOEAE Aiquile, SOET ToroToro, SOTI Planta Incahua, etc.

IDC 01 10:13:54.6:1.4,63.17N:151.88W,h0km,mb3.4/2, mbmp3.3/6,ML2.9/4, Error ellipse: s-maj=27.6km s-min=12.2km az=120.0 NEIC 01 10:13:55.6:1.6,63.03N:0.02:151.523W,0.008, h98km,8km, Error ellipse: s-maj=2.5km s-min=0.5km az=175.0 AEIC 01 10:13:55.4:1.4,63.05N:0.02:151.49W,0.04,h97km,5km, ML3.2,ML3.3/146(NEIC), Error ellipse: s-maj=2.7km s-min=2.2km az=92.0

ISC 01 10:13:55.4:1.0,63.04N:0.02:151.50W,0.02,h10km,8km,n21,o0976/241,Central Alaska

Main table of seismic stations with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PPLA Purkeypille, CAST Castle Rocks, KTH Kantishna Hill, etc.

Main table of seismic stations with columns: L19K, White Mountain, L19K, White Mountain, L19K, White Mountain, etc. Includes station names like White Mountain, Susitna Watana, Crater Peak Br, etc.

Main table of seismic stations with columns: G21K, Allakaket, PRP Porcupine Dome, PRP Porcupine Dome, O18K Koktuh Hills, etc. Includes station names like Allakaket, Porcupine Dome, Koktuh Hills, Honhosa River, etc.

Table with columns: ARXS, STY, SATY, MAZK, MK31, MKDQ, MDOK, MTBS, KST, KRB, DGS, ZSN, ZSK, TKM, SGDS, BTLS, KURK, etc. Includes station names, codes, and coordinates.

IDC 01 10:34:37.0, 5.0, 5.86S; 132.10E, h0km, mb3.6/1, mbtm3.3/3, ML3.4/2, Error ellipse: s-maj=337.6km...

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes station names like Rabbit Creek A, Susitna One, Willow, etc.

Table with columns: CUT, SPCN, SPCR, CKL, M23K, M23R, SPNN, SEW, SCM, RDT, GLI, RDJH, WAT7, M20K, WAT6, RDWB, FID, CNPM, M24K, KLU, HIN, OHY, M19K, M19K, KTH, KTH, KTH, N19K, CAST, CAST, L19K, L19K, SVW2, SVW2, SVW2, K20K, BPAW, BPAW, N18K, N18K, BERG, L18K, L18K, L18K, J20K, CRQM, CRQM, I23K, I23K, GRNC, GRNC, GRNC, CTGM, CTGM, H21K, K15K, M14K, L14K, etc.

NEIC 01 10:41:53.3±0.4, 61.37N±0.03±150.01W±0.07, h46km±7km, Error ellipse: s-maj=5.5km s-min=4.2km az=46.0

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes station names like Rabbit Creek A, Susitna One, Willow, etc.

Table with columns: CAPN, STLK, Q22K, SML, SML, SKT, SKT, SPCG, PWL, PWL, SKW, GUT, SPCN, SPCR, CKL, SPWE, SPNN, SCM, M20K, M20K, M20K, WAT7, RDJH, WAT1, WAT6, RDWB, RDWB, BRLK, BRLK, BRSE, O20K, PPLA, FID, P23K, M24K, M24K, KLU, KLU, KLU, HIN, IVE, ILS, ILSW, ILSW, DIV, TRF, TRF, TRF, RND, RND, RND, DHY, DHY, DHY, L20K, M19K, M19K, KTH, KTH, KTH, N19K, N19K, EYAK, CAST, P19K, MCK, L19K, L19K, N25K, N25K, N25K, PAX, IVE, SVW2, SVW2, GOAT, K20K, K20K, BPAW, BPAW, WACK, N18K, O18K, O18K, SYI, SYI, SYI, Q19K, NEA2, L18K, J20K, J20K, J20K, M26K, M26K, M26K, M17K, M17K, COLA, PTPK, J19K, J19K, MLY, SNH, SNH, SYI, KDAK, KDAK, KDAK, GRNC, GRNC, GRNC, K17K, K17K, K17K, CTGM, CTGM, CTGM

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like M16K Timber Creek, LOGN Logan Glacier, H21K Melozitna Rive, etc.

NEIC 01 11:06:45.4e 1.1, 61.41N, 0.03-150.11W, 0.05, h42km, 3km, Error ellipse: s-maj=3.9km s-min=3.6km az=137.0

AEIC 01 11:06:45.9, 0.6141N, 0.03-150.07W, 0.05, h46km, 3km, ML2.5, ML2.8/60(NEIC), Error ellipse: s-maj=3.7km s-min=3.7km az=177.0, Southern Alaska

Main table of station data for the first section, including codes like SUA, M22K, RC01, etc., and station names like Susitna One, Willow, Rabbit Creek A, etc.

UPP 01 11:08:19.2, 2.8, 67.51N, 30.74E, h0km, ML2.0

KOLA 01 11:08:21.4, 67.50N, 30.49E, h0km, ML2.2, Error ellipse: s-maj=4.8km s-min=2.5km az=20.0, Koudvir City, Mines

HEL 01 11:08:20.3, 0.2, 67.56N, 30.45E, h0km, ML1.9, Suspected explosion, Baltic States-Belarus-Northwestern Russia

Table of station data for the second section, including codes like VRF, APA0, etc., and station names like Vario, Apatity Array, etc.

Table of station data for the third section, including codes like KEV, VADS, etc., and station names like Kevo, Vadso, etc.

NEIC 01 11:11:33.2, 0.8, 61.44N, 0.03-149.88W, 0.06, h36km, 16km, Error ellipse: s-maj=4.9km s-min=4.0km az=151.0

AEIC 01 11:11:34.0, 1.0, 61.43N, 0.03-149.91W, 0.06, h30km, 8km, ML2.5, ML2.7/60(NEIC), Error ellipse: s-maj=4.4km s-min=4.4km az=213.0, Southern Alaska

Main table of station data for the third section, including codes like M22K, RC01, etc., and station names like Willow, Rabbit Creek A, etc.

Table of station data for the fourth section, including codes like RAGZ, RAGZ, etc., and station names like Rawiri, Rimuhau, etc.

IDC 01 11:14:42.1, 262.0, 56.98N, 41.97E, h0km, Error ellipse: s-maj=105.8km s-min=58.0km az=87.0, Baltic States-Belarus-Northwestern Russia

Table of station data for the fifth section, including codes like I43RU, I31KZ, etc., and station names like DUBNA INFRASON, AKTYUBINSK INF, etc.

NOU 01 11:19:10.6, 42.95S, 174.10E, h7km, MLV3.8/6, Off E, Coast of S. Island, NZ

WEL 01 11:19:17.4, 0.5, 42.93S, 174.4E, h5km, M3.0/16, ML3.3/16, MLV3.0/16, Error ellipse: s-maj=4.7km s-min=2.6km az=129.7, confirmed

ISC 01 11:19:13.9, 3.4, 42.52S, 0.03-174.07E, 0.04, h1km, 11km, n52, c160/63, Off east coast of South Island

Main table of station data for the fourth section, including codes like KIKS, KHZ, etc., and station names like Kaikoura, Kaikoura, etc.

NEIC 01 11:28:09.9, 1.2, 61.51N, 0.03-149.92W, 0.05, h43km, 6km, Error ellipse: s-maj=4.2km s-min=3.3km az=190.0

AEIC 01 11:28:10.5, 1.3, 61.49N, 0.02-149.93W, 0.04, h43km, 7km, ML3.6, ML3.7/150(NEIC), Error ellipse: s-maj=3.4km s-min=2.8km az=201.0

ISC 01 11:28:10.5, 1.0, 61.50N, 0.03-149.89W, 0.02, h34km, 2km, n202, c160/63, Southern Alaska

Table of station data for the fifth section, including codes like M22K, M22K, etc., and station names like Willow, Willow, etc.

Table with columns: SUA, Susitna One, 0.41 265, P, Pb, 11 28 19.3 -0.6, KTH, IAML, 11 29 15.0, H24K, comp=N,681nm,0.5s, IAML, 11 30 13h

Table with columns: IVE, Iliamna Volcan, 2.14 227, Pn, 11 28 43.0 -0.8, CAST, Castle Rocks, 2.17 333, Pn, 11 28 43.8 -0.4

Table with columns: H24K, comp=N,681nm,0.5s, IAML, 11 30 13h, PRP, Porcupine Dome, 4.48 24, Pn, 11 29 17.4 +1.5

NEIC 01 11:30:50.1±2.4, 17.66S:0.04±72.97W:0.09, h10km±1km, mb4.2/9, Error ellipse: s-maj=15.1km s-min=6.8km az=268.0

IDC 01 11:30:51.6±2.3, 17.27S:72.98W, h53km±24km, mb3.8/6, mbmp4.0/11, ML3.5/5, MS3.4/10, Error ellipse: s-maj=26km s-min=15.0km az=44.0

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, AP01, Chacalluta, 2.78 110, Op, ISC, 11 31 31.8 +0.2

Table with columns for station ID, name, elevation, and various performance metrics (P, N, S, I, M, L, R, etc.) for stations across the United States and Canada.

Table with columns: Station Name, Azimuth (AZ), Phase ID, Time, Res. Includes stations like Hagfors, Hu-ho-huo, Borovoye Array, Kurchatov Arra, etc.

Table with columns: Station Name, Azimuth (AZ), Phase ID, Time, Res. Includes stations like Ninganchiao, Xiulin Townshi, Donghe, Haiduan, Chishang, etc.

Table with columns: Station Name, Azimuth (AZ), Phase ID, Time, Res. Includes stations like Tuku, Grass Mountain, Dajia District, Hsinchu, etc.

Table with columns: Station Name, Azimuth (AZ), Phase ID, Time, Res. Includes stations like Kuangyinshan, Ta-ch'eng, Shuilin Townsh, etc.

Table with columns: Station Name, Azimuth (AZ), Phase ID, Time, Res. Includes stations like Yonagunijimaku, Datong, Tachien, etc.

NEIC 01 12:34:32.9 ± 1.3, 36°21'N, 0°01.98'E, 92W ± 0.02, h7km, 3km, mb, Lg2: 1/14, ML2: 4/20, ML2.9/22, Error ellipse: ...

NEIC 01 12:34:33.8 ± 1.1, 36°20'N, 0°01.98'E, 92W ± 0.02, h5km, 1km, Error ellipse: s-maj=2.7km s-min=1.9km az=300.0, Oklahoma

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time, Res. Includes stations like Ellis County, Waynoka, Hydro, Custer, etc.

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time, Res. Includes stations like Jichi Village, Shoufeng, Changbin, etc.

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time, Res. Includes stations like Wufeng Townshi, Nanshi, Shuangxi, etc.

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time, Res. Includes stations like Liyutan, Hateruma jima, Nanjuang, etc.

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time, Res. Includes stations like Smith Ranch, M, Depew, Sooner Cattle, etc.

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time, Res. Includes stations like Baumata, Fitzroy Crossi, Warraminge Arr, etc.

IDC 01 12:39:03.4 ± 1.0, 8°36'S × 119°38'E, h161km, 99km, mb2.9/3, mbImP2.4/5, Error ellipse: s-maj=232.0km s-min=28.4km

IDC 01 12:39:02.3 ± 1.5, 8°65'N × 0°22.1'W, h150km, 6m, c338/8, Flores region

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time, Res. Includes stations like Baumata, Fitzroy Crossi, Warraminge Arr, etc.

MKAR 0.2nm,0.6s Makanchi Array 64.29 333 P P 12 49 20.1 -1.5

ZALV 0.5nm,0.6s Zalesow Beam 68.81 339 P P 12 49 48.5 -1.6

IDC 01:12:42:12.3:0.5,54:175:1.98W,h0km,mb4.6/13,

MOS 01:12:42:13.0:1.4,54:155:2:17W,h10km,mb5.4/14,Error ellipse: s-maj=18.6km s-min=15.4km az=65.0

NEIC 01:12:42:14.8:5.4:21S:2:17W,h12km, Error ellipse: s-maj=19.5km s-min=10.8km az=90.3

NEIC 01:12:42:14.8:5.4:21S:2:17W,h12km, mb5.3/57, Mw=5.3/12, Error ellipse: s-maj=19.1km s-min=18.1km az=122.0

NEIC 01:12:42:14.8:5.4:31S:1:48W,h12km, Moment Tensor Solution. Duration: 2x2 Moment tensor: Scale 1017Nm;

GMCM 01:12:42:16.8:0.2,54:235:0:01:1:46W,0:02,h12km, MW5.3/100, Moment Tensor Solution. s65,c93;

ISC 01:12:42:14.2:0.3,54:105:0:05:2:02W,0:07,h10km,n202,

Code Station Name Δ° AZ° Phase ID Time Res ISC

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like Neumayer-Stat, Neumayer-Watz, Neumayer Olymp, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like TROLL, ELIB, BELA, SUR, PMSA, BOSA, MAW, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like H40S2, H40S3, H40S1, WIN, LBTB, QSPA, TSMU, MG02, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like MAJ01, CP5B, COYC, ITAB, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like LLO2, VA0, VA10, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like LLO4, LR05, LDASE, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like SBA, SBA, Vanda, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like CPUP, CPUP, CPUP, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like GDU01, AMBA, ITRB, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like BOU4, MT08, MT08, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like AQDB, AQDB, CO03, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like LCO, LCO, RCBR, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like AC04, AC06, AC06, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like SB09, SB09, MBAR, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like PB01, PB01, PDRB, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like DBIC, DBIC, DBIC, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like VILB, VILB, KMBO, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like LPAZ, LPAZ, LPAZ, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like ETMB, ETMB, FURI, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like H01W2, H01W1, H01W3, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like BAUV, STKA, STKA, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like PS00, ASAR, JTS, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like WRM, TBI, TBI, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like PPT2, PPT2, PPT2, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like KURKB, KURKB, ARCES, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like ANMO, ECSD, SDCO, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like HHC, ULN, MSO, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like PLID, BMO, G08A, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like MAJO, MAJO, MAJO, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like C36M, A36M, ZEA, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like KLR, KLR, DLBC, etc.

AFAD 01:12:44:14.2:0.0,39:71N:27.62E,h11km,ML2.0

ISC 01:12:44:14.3:0.9,39:70N:27.62E,0:03,h16km,6km,

n19,c029/29,Turkey

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like B01, B01, B01, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like B01, B01, B01, etc.

Table with columns: Call sign, Frequency, Band, Mode, SNR, and other technical details. Includes stations like NR1K, SADO, ALPN, etc.

Table with columns: Call sign, Frequency, Band, Mode, SNR, and other technical details. Includes stations like KLMR, HFS, HHC, etc.

Table with columns: Call sign, Frequency, Band, Mode, SNR, and other technical details. Includes stations like KRLO, Kraliky, OKC, etc.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like SIRR, KSH, DOPR, SURR, VRI, etc.

IDC 01 12:50:58.6, 1.2, 37.61N-20.46E, h0km, mb3.8/8, mbmp3.7/15, ML3.8/4, MS3.1/2, Error ellipse: s-maj=21.5km s-min=17.2km az=140.0

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like KERI, ORTH, LITHAKIA, etc.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like DMLN, DMLN, DMLN, etc.

IDC 01 12:51:00.3, 1.1, 37.56N-0.03-20.36E, h10km, mb3.9, n114, 0.18/139, mb3.9/8, 8C-2D, Ionian Sea

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like CRES, CEY, VRI, etc.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like KURBB, MKAR, ZALV, etc.

NEIC 01 12:51:48.9, 1.8, 36.207N-0.006-98.96W, 0.02, h5km, 1km, Error ellipse: s-maj=3.4km s-min=2.9km az=261.0

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like ELIS, NOKA, CSTR, etc.

NIED 01 12:51:50.2, 44.65N-149.86E, h30km, MW3.7, Moment Tensor Solution. s3 Moment tensor: Scale 10^14Nm

IDC 01 12:51:51.5, 5.3, 0.4471N-169.87E, h0km, mb4.0/8, mbmp1.0/9, ML3.0/1, Error ellipse: s-maj=81.9km

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like KUR, KUR, KUR, etc.

H1N2 WAKE ISLAND HY 28.39 144 T 13 28 51.0

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like H1N1, H1N3, H1S1, etc.

SONM Songino Array 29.87 292 P 12 58 00.1 +1.0

MKAR Makanchi Array 45.88 298 P 13 00 14.4 +0.7

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like NB2, NOA, HFS, etc.

NEIC 01 13:04:28.1, 1.0, 61.48N-0.02-149.95W, 0.04, h50km, 5km, Error ellipse: s-maj=3.8km s-min=0.8km az=140.0

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like M22K, M22K, M22K, etc.

1d 13h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like K17K, GRNC Granite Creek, CTGM China Glacie, etc.

NEIC 01 13:19:57.8 ± 1.5, 61.50N, 0.0 ± 1.49, 93W, 0.04, h30km, gkm, Error ellipse: s-major=3.2km s-min=1.3km az=107.0

AEIC 01 13:19:58.3 ± 1.6, 61.49N, 0.02 ± 1.49, 92W, 0.04, h35km, 7km, M2.9, ML3.1/110(NEIC), Error ellipse: s-major=3.8km s-min=2.7km az=149.0, Southern Alaska

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists numerous stations like M22K Willow, M22K Willow, etc.

2018 DEC

Main table of seismic event data with columns: J20K, Novitna River, 3.32 326, IAML, 13 21 27.8, etc. Includes event descriptions like MOS 01 13:27:18.8 ± 0.9, 73.0S, 128.72E, etc.

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Main table of seismic event data with columns: SANI, Sanana, 5.98 333, P, 13 28 51.4 +3.8, etc. Includes event descriptions like TABU Tabubi, JAY Jayapa, etc.

Table with columns for station call letters, frequency, name, and various signal quality indicators (e.g., S/NR, SNR, SNR=19, etc.).

Table with columns for station call letters, frequency, name, and various signal quality indicators (e.g., S/NR, SNR, SNR=19, etc.).

Table with columns for station call letters, frequency, name, and various signal quality indicators (e.g., S/NR, SNR, SNR=19, etc.).

Main data table containing station call letters, frequencies, power, and other technical parameters for various stations across the page.

Table with columns: ID, Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Farmland, Agrelo, Salagasta, Uspallata, Zonda, Cerro Villicun, Cerro Coronel, Rodeo, Porto Santo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JHHC, JKIT, JTSN, JZJO, TAP 01, CHN1, SGST, Tainan City, Hsinying, Ta-pu, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BRKL, BRLE, BRSE, PPLA, PPLA, O20K, O20K, FID, HOM, HOM, P23K, P23K, CNPM, CNPM, M24K, M24K, KLU, KLU, KLU, HIN, HIN, ILS, ILSW, TRF, TRF, L20K, L20K, RND, RND, M19K, M19K, DHY, DHY, DHY, DHY, KTH, KTH, N19K, N19K, CAST, CAST, CAST, EYAK, EYAK, P19K, P19K, L19K, L19K, O19K, O19K, O19K, O19K, N25K, N25K, N25K, N25K, SWV, SWV, PAX, PAX, PAX, BMRM, BMRM, CHUM, CHUM, K20K, K20K, K20K, GOAT, GOAT, BPAW, BPAW, BPAW, BPAW, M18K, M18K, WACK, WACK, RAGM, RAGM, N18K, N18K, N18K, N18K, O18K, O18K, O18K, O18K, SYI, SYI, Q20K, Q20K, Q19K, Q19K, TTA, TTA, TTA, TTA, WRH, WRH, WRH, WRH, L18K, L18K, L18K, L18K, P18K, P18K, P18K, P18K, NEA2, NEA2, NEA2, NEA2, J20K, J20K, J20K, J20K, MENT, MENT, MENT, MENT, M26K, M26K, M26K, M26K

Table with columns: ID, Name, Azimuth, Elevation, P, S, Azimuth, Elevation, P, S. Includes stations like Holitna River, Poorman, Innoko River, etc.

Table with columns: ID, Name, Azimuth, Elevation, P, S, Azimuth, Elevation, P, S. Includes stations like Sachs Harbour, Yellowknife Ar, Moxie City, etc.

Table with columns: ID, Name, Azimuth, Elevation, P, S, Azimuth, Elevation, P, S. Includes stations like KUZ Kaotunou, KUZ Kuotino, TUUV Tukoto, etc.

NOU 01 14:10:25.9, 38°05'S, 176°16'E, h189km, MLV4.3/15, North Island, New Zealand

WEL 01 14:10:29.1±1.0, 38°5'17.6"E, h155km, 8km, M3.3/37, ML2.8/8, MLV3.3/37, Error ellipse: s-maj=7.7km

ISC 01 14:10:23.7±1.9, 38.005°S, 0.07°E, 176.21E±0.06, h201km, 10km, n178, e167/187, North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists various stations like KARZ Kaharoa, NGRZ Ngongetaha, etc.

NOU 01 14:10:25.9, 38°05'S, 176°16'E, h189km, MLV4.3/15, North Island, New Zealand

WEL 01 14:10:29.1±1.0, 38°5'17.6"E, h155km, 8km, M3.3/37, ML2.8/8, MLV3.3/37, Error ellipse: s-maj=7.7km

ISC 01 14:10:23.7±1.9, 38.005°S, 0.07°E, 176.21E±0.06, h201km, 10km, n178, e167/187, North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists various stations like KARZ Kaharoa, NGRZ Ngongetaha, etc.

IDC 01 14:14:09.8±1.7, 1.93N, 123.70E, h0km, mb3.6/3, mbmp3.6/3, M3S/8/1, Error ellipse: s-maj=88.8km

DJA 01 14:14:41.2±0.9, 2°N, 5°E, h315km, 8km, M3.2/7, n14, v3.2/7

ISC 01 14:14:40.4±1.1, 1.9N, 0.1±124.5E, h0km, n7, e157/7, mb3.2/3, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists various stations like KMSI Cibinong, MRSI Marisa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like GC02, CROK Carrier, KAN14 Manchester OK, etc.

IDC 01 14:21:31.7±1.1, 46.86N:27.52W, h0km, mb3.8/11, mbmp3.8/12, ML2.9/2, Error ellipse: s-maj=32.0km

s-min=19.9km az=28.0, ISC 01 14:21:34.4±1.0, 46.86N:02.276W:0.1, h19km, n20, c=677/15, mb3.9/11, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like ESDC, Sonseca Array, AKASG, Malin Array Be, etc.

IDC 01 14:36:39.7±0.8, 35.14S:107.43W, h0km, mb3.9/6, bz=9.0

ISC 01 14:36:41.3±0.9, 35.14S:02.1073W:0.3, h10km, n17, c=1560/14, mb4.2/9.5, Southern East Pacific Rise

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like LPAZ, La Paz, GSPA, South Pole Qui, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like NVAR, Mina Array Bay, PDAR, Pinedale Array, etc.

IDC 01 14:43:15.0±0.7, 23.20N:143.88E, h0km, mb4.0/17, mbmp4.0/19, ML2.9/2, MS4.3/3, Error ellipse: s-maj=23.9km s-min=14.3km az=79.0

ISC 01 14:43:17.0±0.7, 23.33N:0.06:143.9E:0.2, h10km, n27, c=1563/22, mb4.0/17, MS4.3/3, Volcano Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like JCJ, Chichijima, MJAR, Matsushiro Arr, etc.

IDC 01 14:46:09.7±1.4, 17.96N:71.14W, h24km, 8km, ML2.8, SDD 01 14:46:09.4±2.1, 17.96N:71.29W, h0km, 182km, MD2.5, ML2.8, MW3.0

ISC 01 14:46:10.4±1.0, 17.99N:0.04:71.24W:0.04, h14km, 7km, n11, c=95/22, SC-30, Dominican Republic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like LOBA2, Hotel Casa Bon, PODR, Polo, etc.

IDC 01 14:46:29.7±1.2, 61.48N:0.02:149.92W:0.05, h25km, 7km, ML2.6, ML2.8/66(NEIC), Error ellipse: s-maj=3.4km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like NEIC, Alto Bandera, ABDR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like M22K, Willow, SUSA, Susitna One, etc.

1d 15h

Table with columns: Code, Station Name, Time, Res, Pn, Az, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like CMAR Chiang Mai Arr, H08S2 Diego Garcia H, H08S3 Diego Garcia H, etc.

IDD 01 15:26:33.1±1.0, 0.18N, 96.97E, h0km, mb4.1/12, mbtmp4.1/13, ML3.5/2, Error ellipse: s-maj=35.4km, s-min=16.0km az=58.0

DJA 01 15:26:33.2±0.4, 0.2N, 97.2E, h10km, M4.5/18, mb4.7/6, mB5.4/2, MLV4.1/8, Mw(MB)4.8/2

NEIC 01 15:26:38.1±1.3, 0.31N, 0.08E, 97.2E±0.1, h29km, 6km, mb4.5/17, Error ellipse: s-maj=20.2km s-min=9.9km az=67.0

ISC 01 15:26:36.3±0.6, 0.25N, 0.05E, 97.11E, 0.06, h22km, n66, ±1571/60, mb4.3/22, Northern Sumatara

Table with columns: Code, Station Name, Time, Res, Pn, Az, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like GSI Gunungsitoli, GSI Gunungsitoli, PBI Pulau Batu, etc.

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Table with columns: ZAAO Zalesovo Array, ZALV Zalesovo Beam, BVAR Borovoye Array, KLR Kul'dur, H04N2 CROZET ISLANDS, H04N1 CROZET ISLANDS, H04N3 CROZET ISLANDS, H04S1 CROZET ISLANDS, H04S2 CROZET ISLANDS, AKASO Malin Array Be, ARCES ARCES Array B, CPUP Villa Florida, TXAR Lajitas Array

JMA 01 15:26:52.1±0.2, 39.1N, 0.42E, 142.4E, 0.9, h36km, 1km, MV3.1/32, E OFF IWATE PREF, IDC 01 15:26:55.3±0.5, 39.05N, 142.43E, h69km, 28km, mb3.3/5, mbtmp3.5/7, Error ellipse: s-maj=49.2km s-min=23.5km az=85.0

ISC 01 15:26:53.0±1.7, 39.08N, 0.05E, 142.30E, 0.08, h33km, 5km, n20, ±117/26, mb3.6/5, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Time, Res, Pn, Az, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like OFUJ Ofunato, MIYJ Miyakonagasaki, KESU Kesenumamotoy, JCHM Jichinoseki, JOH Ohasama, etc.

NEIC 01 15:32:57.3±1.6, 7.07S, 0.09E, 155.1E, 0.1, h10km, 1km, mb4.7/24, Error ellipse: s-maj=20.1km s-min=13.7km az=57.0

ISC 01 15:33:05.3±2.4, 7.12S, 154.73E, h76km, 22km, mb3.9/12, mbtmp4.2/14, MS3.4/1, Error ellipse: s-maj=19.6km s-min=13.4km az=169.0

ISC 01 15:32:56.2±0.5, 7.16S, 0.08E, 155.12E, 0.06, h10km, n38, ±151/38, mb4.5/22, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Time, Res, Pn, Az, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like RABL Rabaul, HNR Honiara, PMG Port Moresby, CTAO Charters Tower, WARR Warramunga Arr, WRA Warramunga Arr, MTN Mantion Dam, AS31 Alice Springs, etc.

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Table with columns: M27K Edge Creek, ZALV Zalesovo Beam, K27K Chicken, HYT Haines Junctio, EGAK Eagle, J29N Klondike Camp, K29M Barlow Dome, E27K Coleen River, C27K Jago River, F28M Old Crow, I30M Mount Dempster, NVAR Mina Array Be, YKA Yellowknife Ar, TORD Torodi Ar

JMA 01 15:39:01.9±0.2, 43.5N, 0.6E, 145.9E, 1.0, h101km, 1km, MV2.7/34, NEUMOROJ, SKHL 01 15:39:02.3±0.3, 43.20N, 146.00E, h94km, 4km, mb4.0/2, msha4.7/2

ISC 01 15:39:01.4±2.3, 43.45N, 0.08E, 145.90E, 0.07, h104km, 13km, n14, ±0F49/26, Hokkaido region

Table with columns: Code, Station Name, Time, Res, Pn, Az, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like NEM2 Nemuro 2, NMR Nemuro-Hokkai, YUK Yuzh-Kuril'sk, YUK 140nm, 0.2s, YUK 220nm, 0.4s, etc.

ISC 01 15:41:34.3±3.7, 6.14S, 149.93E, h57km, 34km, mb3.6/9, mbtmp3.9/9, ML2.8/1, Error ellipse: s-maj=29.0km s-min=19.4km az=89.0

NEIC 01 15:41:35.6±1.7, 6.30S, 0.08E, 149.97E, 0.05, h59km, 9km, mb4.5/18, Error ellipse: s-maj=13.1km s-min=4.9km az=155.0

ISC 01 15:41:33.7±0.6, 6.26S, 0.07E, 149.97E, 0.08, h50km, n34, ±181/37, mb4.2/14, New Britain region

Table with columns: Code, Station Name, Time, Res, Pn, Az, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like RABL Rabaul, PMG Port Moresby, MANU Manus Island, COEN Coen, WBO Warramunga Arr, WR0 Warramunga Arr, WRB Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, DZM Mont Dzumac, DZM Mont Dzumac, DZM Mont Dzumac, KNRA Kunurra, AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ARMA Armidale, FITZ Fitzroy Crossi, MBWA Marble Bar, PSAO Pilbara Seismi, TCW Tory Channel, MJAR Matushiuro Arr, KSRS Korea Array, GSI Gunungsitoli, PETK Petropavlovsk, WBO Warramunga Arr, MKAR Makanchi Array, SLKM Skel Lake, SKT Skwentna

Table with columns: ID, Station Name, Azimuth, Elevation, Phase, Time, Residual. Includes stations like Cooper Landing, Port Wells, South Pole Qui, etc.

IDC 01 15:44:44.0-4.9, 18.125-178.19W, h602km, 24km, mb29.2, mbtp3.9/3, Error ellipse: s-maj=137.3km

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, Time, Residual. Includes stations like Nonsavu, Warramunga Arr, ASAR, etc.

IDC 01 15:47:35.4-1.1, 0.16N-97.05E, h0km, mb3.4/2, mbtp3.3/3, ML3.5/1, Error ellipse: s-maj=142.2km

DJA 01 15:47:35.4-1.1, 0.16N-97.05E, h28km, 10km, M3.4/6, MLV3.4/6

ISC 01 15:47:35.3-1.5, 0.23N-0.10-97.1E:0.1, h22km, n13, 0578/9, Northern Sumatra

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, Time, Residual. Includes stations like GSI, PBI, MNSI, CMAR, H0S2, etc.

NEIC 01 16:00:24.0-0.7, 61.63N-0.03-150.61W:0.05, h62km, 3km, Error ellipse: s-maj=4.4km s-min=3.6km az=189.0

AEIC 01 16:00:24.3-0.8, 61.61N-0.03-150.63W:0.05, h61km, 3km, ML2.2, ML2.5/12(NEIC), Error ellipse: s-maj=4.2km

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, Time, Residual. Includes stations like SUA, M22K, SKT, STLK, RC01, etc.

MOS 01 16:01:05.0-0.9, 61.37N-150.35W, h52km, mb4.7/24, Error ellipse: s-maj=15.9km s-min=5.6km az=87.1

AEIC 01 16:01:07.8-1.4, 61.34N-0.02-150.05W:0.04, h34km, 7km, ML4.0, mb4.4/28(NEIC), ML4.2/140(NEIC)

MW4.2/13(NEIC), Error ellipse: s-maj=3.5km s-min=2.5km az=164.0

NEIC 01 16:01:07.7, 61.34N-150.05W, h31km

NEIC 01 16:01:07.1-3, 61.37N-0.02-150.06W:0.05, h42km, 3km, Error ellipse: s-maj=3.4km s-min=3.2km az=98.0

Moment Tensor Solution. Moment tensor: 3x3 matrix. Principal axes: T=2.2995, P=17.0000, N=252.0000

Table with columns: ID, Station Name, Azimuth, Elevation, Phase, Time, Residual. Includes stations like Rabbit Creek A, RC01, etc.

IDC 01 15:44:44.0-4.9, 18.125-178.19W, h602km, 24km, mb29.2, mbtp3.9/3, Error ellipse: s-maj=137.3km

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, Time, Residual. Includes stations like M22K, GHO, GHO, etc.

IDC 01 15:47:35.4-1.1, 0.16N-97.05E, h0km, mb3.4/2, mbtp3.3/3, ML3.5/1, Error ellipse: s-maj=142.2km

DJA 01 15:47:35.4-1.1, 0.16N-97.05E, h28km, 10km, M3.4/6, MLV3.4/6

ISC 01 15:47:35.3-1.5, 0.23N-0.10-97.1E:0.1, h22km, n13, 0578/9, Northern Sumatra

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, Time, Residual. Includes stations like CAPN, SKLK, SKLK, etc.

NEIC 01 16:00:24.0-0.7, 61.63N-0.03-150.61W:0.05, h62km, 3km, Error ellipse: s-maj=4.4km s-min=3.6km az=189.0

AEIC 01 16:00:24.3-0.8, 61.61N-0.03-150.63W:0.05, h61km, 3km, ML2.2, ML2.5/12(NEIC), Error ellipse: s-maj=4.2km

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, Time, Residual. Includes stations like SML, SKT, SKT, etc.

MOS 01 16:01:05.0-0.9, 61.37N-150.35W, h52km, mb4.7/24, Error ellipse: s-maj=15.9km s-min=5.6km az=87.1

AEIC 01 16:01:07.8-1.4, 61.34N-0.02-150.05W:0.04, h34km, 7km, ML4.0, mb4.4/28(NEIC), ML4.2/140(NEIC)

MW4.2/13(NEIC), Error ellipse: s-maj=3.5km s-min=2.5km az=164.0

NEIC 01 16:01:07.7, 61.34N-150.05W, h31km

NEIC 01 16:01:07.1-3, 61.37N-0.02-150.06W:0.05, h42km, 3km, Error ellipse: s-maj=3.4km s-min=3.2km az=98.0

Moment Tensor Solution. Moment tensor: 3x3 matrix. Principal axes: T=2.2995, P=17.0000, N=252.0000

Table with columns: ID, Station Name, Azimuth, Elevation, Phase, Time, Residual. Includes stations like Denali Highway, DHY, etc.

IDC 01 15:44:44.0-4.9, 18.125-178.19W, h602km, 24km, mb29.2, mbtp3.9/3, Error ellipse: s-maj=137.3km

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, Time, Residual. Includes stations like RND, RND, KTH, etc.

IDC 01 15:47:35.4-1.1, 0.16N-97.05E, h0km, mb3.4/2, mbtp3.3/3, ML3.5/1, Error ellipse: s-maj=142.2km

DJA 01 15:47:35.4-1.1, 0.16N-97.05E, h28km, 10km, M3.4/6, MLV3.4/6

ISC 01 15:47:35.3-1.5, 0.23N-0.10-97.1E:0.1, h22km, n13, 0578/9, Northern Sumatra

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, Time, Residual. Includes stations like BMRM, SVW2, SVW2, etc.

NEIC 01 16:00:24.0-0.7, 61.63N-0.03-150.61W:0.05, h62km, 3km, Error ellipse: s-maj=4.4km s-min=3.6km az=189.0

AEIC 01 16:00:24.3-0.8, 61.61N-0.03-150.63W:0.05, h61km, 3km, ML2.2, ML2.5/12(NEIC), Error ellipse: s-maj=4.2km

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, Time, Residual. Includes stations like Q20K, G20K, G20K, etc.

MOS 01 16:01:05.0-0.9, 61.37N-150.35W, h52km, mb4.7/24, Error ellipse: s-maj=15.9km s-min=5.6km az=87.1

AEIC 01 16:01:07.8-1.4, 61.34N-0.02-150.05W:0.04, h34km, 7km, ML4.0, mb4.4/28(NEIC), ML4.2/140(NEIC)

MW4.2/13(NEIC), Error ellipse: s-maj=3.5km s-min=2.5km az=164.0

NEIC 01 16:01:07.7, 61.34N-150.05W, h31km

NEIC 01 16:01:07.1-3, 61.37N-0.02-150.06W:0.05, h42km, 3km, Error ellipse: s-maj=3.4km s-min=3.2km az=98.0

Moment Tensor Solution. Moment tensor: 3x3 matrix. Principal axes: T=2.2995, P=17.0000, N=252.0000

1d 16h

Table with columns for station name, elevation, frequency, and other parameters. Includes stations like YUK2, H23K, L16K, P16K, etc.

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Table with columns for station name, elevation, frequency, and other parameters. Includes stations like TXAR, HKT, ARCES, KRSR, etc.

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Table with columns for station name, elevation, frequency, and other parameters. Includes stations like RONA, FETA, DAVO, KBA, etc.

Table with columns: SEW, Seward, 1.45 171, P, Pn, 16 05 21.6 -0.4, etc. Lists various locations and their coordinates.

Table with columns: PTPK, Patty Peak, 3.59 92, Pn, 16 05 51.3 +0.1, etc. Lists various locations and their coordinates.

Table with columns: LON, comp=Z,2.20nm,1.5s, IAmb, IAmb, 16 09 49.1, etc. Lists various locations and their coordinates.

IDC 01 16:32.0.18.1.2.3:13N:128.47E, h0km, mb3.5/4, mbmp3.5/4, Error ellipse: s-maj=168.1km s-min=27.1km az=67.0

DJA 01 16:30:23.8.0.6.2:5N:5:12:9E, h16km,5km, M3.6/7, MLV3.6/7

ISC 01 16:30:20.0.1.2.2:1N:0:1:128.4E:0:1, h10km, n7, c068777, mb3.3/4, Halmahera

Table with columns: Code, Station Name, A, AZ, Phase ID, h, m, s, Res, ISC. Lists station data for TNTI, STKI, SWI, WRA, ASAR, STKA, MKAR.

IPCC 01 16:32:03.0.2.51:56N:16:19E, h1km, ML3.2/6, Error ellipse: s-maj=2.7km s-min=1.2km az=60.0

DNK 01 16:32:03.1.2.5.51:34N:15:61E, h15km,95km, ML2.2

IDC 01 16:32:05.0.0.6.51:46N:16:09E, h0km, mb3.5/5, mbmp3.5/13, ML2.9/8, Error ellipse: s-maj=9.9km s-min=6.1km az=111.0

BGR 01 16:32:05.0.0.5.51:54N:16:20E, h1km, ML3.2/11, Error ellipse: s-maj=6.7km s-min=2.2km az=21.0

UPP 01 16:32:06.9.3.1.51:66N:15:66E, h0km, ML2.5

VIE 01 16:32:07.6.0.7.51:34N:15:85E, h0km, mb3.1/19, mb3.1/17, ms3.9/2, Error ellipse: s-maj=5.0km s-min=3.8km az=34.0, Suspected Missing induced

ISC 01 16:32:03.0.3.0.5.51:56N:16:02E, h0km, n99, -1529/183, mb3.4/5, 10C-3D, Poland

Table with columns: Code, Station Name, A, AZ, Phase ID, h, m, s, Res, ISC. Lists station data for KSP, CHVC, OSTAS, UPICE, DPC.

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1d 17h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PIVO, PVCC, BRG, KRLC, GO POCY, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AK16, KIEV, AKASG, AKASG, HFS, HFS, NOA, FINES, FINES, EKA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KUU, CHKK, CHKK, CHKK, SATY, SATY, SATY, BTLS, BTLS, BTLS, ARXS, ARXS, ARXS, AB31, AKTO, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRH Wood River Hill, KAIM Kayak Island, SYI Shuyak Island, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like LOGN, BVCY Beaver Creek, CNTC Contact Creek, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JIH Iheya, JOW Kunigami, JOW Kunigami, etc.

Logos and text for the 2018 DEC event, including station names and coordinates.

Logos and text for the 2018 DEC event, including station names and coordinates.

Additional text and coordinates for the 2018 DEC event, including station names and coordinates.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Sinabang, Aceh; Saiba; Mandailing Nat; Rantau Prapat; Prapat; KSI; Kotacane, Aceh; Padang Panjang; Tuntungan; BKN; Bangkinang; BKN; Bangkinang; Puluu Paggi; LHMI; LHM; LHM; LHM; LHM; BSI; Banda Aceh; IPM; IPM; KULM; KULM; MYKOM; MYKOM; MNAI; Manna; MNAI; Manna; MNAI; Manna; MDSI; Maura Dua; SRIT; Nakomsitamara; LWLI; Liwa; KASI; Kota Agung; SBUI; Bungbulang; STKI; Sintang; SBUM; Sibiu; SBUM; Sibiu; LOEI; Loei; CM31; Chiang Mai Arr; CMAR; Chiang Mai Arr; CMAR; Chiang Mai Arr; CMAR; PHRA; Phrae; CHTO; Chiang Mai; BKB; Balikpapan; BKB; KKM; Kota Kinabalu; KKM; Kota Kinabalu; SLVN; Son La; SLVN; Son La; QIZ; Qiongzong; QIZ; comp=N,220nm,9.8s; QIZ; comp=E,190nm,11.1s; PLAI; Plampang; KAPI; Kappang; KAPI; comp=Z,27nm,1.4s; TNCH; TengChong; TNCH; TNCH; TNCH; TNCH; TNCH; TNCH; SHL; Shillong; PZH; PanZhihua; PZH; comp=Z,10.0nm,0.6s; DAV; Davao City (W); FITZ; Fitzroy Crossi; FITZ; Fitzroy Crossi; KNRA; Kununurra; KNRA; Kununurra; NJ2; Nanjing; NJ2; Nanjing; GTA; Gaotai; GTA; Gaotai; WRKA; Warakurna; WB0; Warramunga Arr; WRA; Warramunga Arr; WRAB; Tennant Creek; WRAB; Tennant Creek; WB2; Warramunga Arr; HHC; Hu-ho-hao-te; HHC; Hu-ho-hao-te; ASAR; Alice Springs; AS31; Alice Springs; AS01; Alice Springs; BJI; Beijing; BJI; Beijing; WMQ; Urumqi; WMQ; Urumqi; NRN; Naryn; NRN; Naryn; DRK; Karamyk; DRK; Karamyk; ARSB; Arslanbob; ARSB; Arslanbob; OOD; Oodnadatta; MULG; Mulgathing; KSRS; Korea Array; KSRS; Korea Array; PSRS; PSRS; Makanchi Array; MK31; Makanchi Array; MKAR; Makanchi Array; MKAR; Makanchi Array; MKAR; Makanchi Array; KKR; Karatay Array; KKR; Karatay Array

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Karatay Array; Port Moresby; Chichijima; Charters Tower; Kurchatov; Kurchatov; Kurchatov; Kurchatov; STKA; Stephens Creek; STKA; Stephens Creek; USSARIYK; Zalesovo Array; Zalesovo Beam; Zalesovo Beam; COBAR; Borovoye Array; Borovoye Array; Kul'dur; Kul'dur; ABKAR; Abkular array; ABKAR; Abkular array; Eilat; Eilat; Mount Meron Arr; Mount Meron Arr; Yakutsk; Yakutsk; Koumacc, New Ca; Koumacc, New Ca; NRIK; NRIK; Keskin Array; Keskin Array; Keskin Array; Keskin Array; Tiksi; Tiksi; Malin Array Be; Malin Array Be; FINES; FINES; BKZ; Black Stump Fm; GERES; GERES; Villa Florida; Villa Florida; HPG; Junction City; HNDO; Hondo; IDC 01; IDC 01; NEIC 01; NEIC 01; ISC 01; ISC 01; Code; Station Name; Azimuth; Elevation; SNR; and other parameters. Includes stations like Bulu; Kimbe; RABL; Rabaul; MANU; Manus Island; PMG; Port Moresby; PMG; Port Moresby; COEN; COEN; TATA; Tatama Isabel; HNR; Honiara; ALEG; Aligeego Malai; TVIH; Townsville Arr; CTAO; Charters Tower; QIS; Mount Isa; KDU; Kakadu; MTN; Mantong Dam; MTN; Mantong Dam; MTN; Mantong Dam; WB0; Warramunga Arr; WB0; Warramunga Arr; WR0; Warramunga Arr; WR0; Warramunga Arr; WR2; Warramunga Arr; WR2; Warramunga Arr; WRA; Warramunga Arr; WRA; Warramunga Arr; QLP; Quilpie; AUWSH; Wavelli State H; KNRA; Kununurra; AS31; Alice Springs; ASAR; Alice Springs; ASAR; Alice Springs; ASAR; Alice Springs; DZM; Mont Dzumac; INKA; Innamika; AULRC; Lightning Ridg; ARMA; Armadale; ARMA; Armadale; FITZ; Fitzroy Crossi; FITZ; Fitzroy Crossi; STKA; Stephens Creek; BBOO; Buckleboe; MBWA; Marble Bar; PSA00; Pilbara Seismi; PSA00; Pilbara Seismi; TGY; Tagay City; MORW; Morawa; YULB; Yu-I; TCW; Tory Channel; TUWZ; Tawhara; PEAOB; Petropavlovsk; PETK; Petropavlovsk; PETK; Petropavlovsk

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Vanda; Vanda; South Pole; South Pole; Eielson Array; Eielson Array; Torodi Arr; Torodi Arr; NEIC 01; NEIC 01; AEIC 01; AEIC 01; Code; Station Name; Azimuth; Elevation; SNR; and other parameters. Includes stations like RC01; Rabbit Creek A; RC01; Captain Cook N; RC01; comp=N,376nm,0.2s; RC01; comp=N,396nm,0.4s; SUSA; Susitna One; SUSA; Susitna One; SUSA; Susitna One; M22K; Willow; M22K; Willow; GHO; Glory Hole Cr; GHO; Glory Hole Cr; GHO; comp=E,332nm,0.4s; GHO; comp=N,183nm,0.2s; KNK; Knik Glacier; KNK; Knik Glacier; KNK; Knik Glacier; CAPN; Strandleine Lak; STLK; Strandleine Lak; STLK; Strandleine Lak; STLK; Strandleine Lak; SKL; Skilak Lake; SKLM; Skilak Lake; SML; Sawmill; SML; Sawmill; O22K; Cooper Landing; O22K; Cooper Landing; SKT; Skwentna; SKT; Skwentna; SKT; Skwentna; SKT; Skwentna; PWL; Port Wells; SPCG; Spurr Capps Gl; SPCG; Spurr Capps Gl; CUT; Chulitna; CUT; Chulitna; SPCR; Crater Peak Br; SPCR; Crater Peak Br; SPCR; Spurr Chakacha; SPCR; Spurr Chakacha; M2K; Glacier View; SEW; Seward; SCM; Sheep Creek Mo; SCM; Sheep Creek Mo; RDT; Redoubt; RDT; Redoubt; GLI; Glacier Island; GLI; Glacier Island; WAT7; Susitna Watana; M2K; Spurr Chakacha; RDJH; Redoubt Jeurge; WAT6; Susitna Watana; RDSO; Redoubt South; RDWB; Redoubt West; RDWB; Redoubt Volcan; BRLK; Bradley Lake; BRLK; Bradley Lake; FID; Port Fidalgo; FID; Port Fidalgo; FID; Port Fidalgo; HOM; Homer; CNPM; China Poot; CNPM; China Poot; CNPN; China Poot; M24K; Tolsona, Glenn; M24K; Tolsona, Glenn; KLU; Klutina; KLU; Klutina; HIN; Hinchinbrook I; HIN; Hinchinbrook I; HIN; Hinchinbrook I; IVE; Iliamna Volcan; DIV; Divide; ILSW; Iliamna South; DHY; Denali Highway; RND; Reindeer; M19K; Big River Lodg; KTH; Kantishna Hill; N19K; Bonanza Creek; CAST; Castle Rocks; P19K; Oil Pt; L19K; White Mountain; L19K; White Mountain; HARP; HAARP; N25K; Chitina, Valde; N25K; Chitina, Valde; PAX; Paxson; K20K; Telida; PAX; Paxson; BPAW; Bear Paw Mtn; GLB; Gilahina Butte; BPAW; Bear Paw Mtn; Q19K; Cape Douglas; VRD1; Verde Repeater; VRD1; Verde Repeater; WRH; Wood River Hill; WRH; Wood River Hill; WRH; Wood River Hill; BERG; Berg Lake; L19K; Granite Mounta; HDA; Harding Lake; L19K; Granite Mounta; HDA; Harding Lake

Table with columns: IZ0K, M17K, MLY, I23K, J25K, K17K, L16K, L16K, L16K, K15K, G19K, L14K, J14K. Includes station names like Novinta River, Holitina River, Manley, Mlito, Yulon-K, Salcha River, Iditarod, Timber Creek, Owahat River, Kwehluh River, Wolf Creek, Purcell Mount, Kuka Creek, Nanvaranak Lak.

IDC 01 18:23:02.3-2.0, 24.27N:141.50E, h105km, 21km, mb3.7/9, mbmp3.9/12, Error ellipse: s-maj=30.1km s-min=14.2km az=85.0

NEIC 01 18:23:04.9-1.4, 24.22N:108.141.5E:0.2, h117km, 8km, mb4.3/26, Error ellipse: s-maj=21.5km s-min=11.9km az=97.0

JMA 01 18:23:10.5-0.2, 25.1N:141.1E:1, h164km, MV4.8/7, IOTO ISLANDS REGION, ISC 01 18:23:07.6-0.6, 24.44N:141.3E:0.1, h148km, n53, s=1990/60, mb4.1/18, Volcano Islands region

Main table for 101 page, listing station codes (JHH2, JHH2, CBJJ, etc.), station names, and various parameters like time, phase, and location details.

NEIC 01 18:24:06.3-1.9, 19.20S:0.09:172.80W:0.06, h10km, 1km, mb5.0/48, Error ellipse: s-maj=15.0km s-min=10.0km az=193.0

BUI 01 18:24:06.8, 19.49S:172.96W, h14km, mb4.8/18, mb5.4/10, Ms5.0/1, Ms7.4/72

IDC 01 18:24:09.0-0.6, 19.18S:173.48W, h0km, mb4.4/18, mbmp4.4/19, Mb4.3/11, MS4.3/34, Error ellipse: s-maj=19.6km s-min=16.5km az=149.0

NOU 01 18:24:12.2, 18.61S:172.69W, h68km, mb4.8/26, Tonga

Islands Region, MOS 01 18:24:12.8-3.3, 19.87S:173.98W, h10km, mb5.0/11, Error ellipse: s-maj=15.8km s-min=10.6km az=2-2, GCMT 01 18:24:15.3-0.4, 19.04S:0.04:172.88W:0.03, h20km, 1km, MW5.2/69, Moment Tensor Solution, s21,c24: s69,c88; Duration: 1s0 Moment tensor: Scale 10^17Nm; Mb=0.81E:06; Mw=0.55E:05; Mo=0.25E:03; Mw0.06E:10; Mw0.45E:03; Mw0.08E:06; Best double couple: Mo:0.84900/1017 NP1:ph:51.00000; 648.00000; 7.86.00000; NP2:az:237.00000; 642.00000; 7.94.00000; Principal axes: T: 0.8170, P: 686.0000, Azm:64.0000, N: 0.0650, P: 63.0000, Azm:10.0000, P: -0.8810, P: 63.0000, Azm:144.0000; nsta1 refers to body waves, cutoff=40s; nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 01 18:24:06.5-0.3, 19.19S:0.06:172.78W:0.04, h10km, n220, z236/195, mb4.9/53, MS4.4/34, 21C-17D, Tonga Islands region

Main table for 2018 DEC page, listing station codes (NIUE, NIUE, NIUE, etc.), station names, and various parameters like time, phase, and location details.

WBO Warrunganga Arr 49.64 260 P P 18 32 55.4 -2.1

Main table for 1d 18h page, listing station codes (WBO, WB2, WRAB, etc.), station names, and various parameters like time, phase, and location details.

WBO Warrunganga Arr 49.64 260 P P 18 32 56.0 -2.7

1d 18h

Table with columns: ID, Name, Frequency, Power, SNR, Azimuth, Elevation, and other parameters. Includes entries like PDR Pinedale Array, ILAR Eielson Array, PLCA Paso Flores, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, IS, Time, Res, and other parameters. Includes entries like RC01 Rabbit Creek A, M22K Willow, GHO Glory Hole Cre, etc.

Table with columns: TRF, Name, Frequency, Power, SNR, Azimuth, Elevation, and other parameters. Includes entries like TRF Thorofare Moun, DHY Denali Highway, RND Reindeer, etc.

IDC 01 18:31:57.0-1.4, 61.141N-150.111W, h45km, 15km, mb3.57, mltmp3.6/12, ML3.4/5, Error ellipse: s-maj=21.1km s-min=10.1km az=112.0

NEIC 01 18:31:58.6-1.1, 61.143N-102.149W, 0.04, h43km, 1km, Error ellipse: s-maj=3.1km s-min=2.9km az=178.0

IDC 01 18:31:57.0-1.4, 61.141N-150.111W, h45km, 15km, mb3.57, mltmp3.6/12, ML3.4/5, Error ellipse: s-maj=21.1km s-min=10.1km az=112.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like 123K, SCRK, J25K, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like G17K, M30M, F19K, etc.

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

1d 18h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like CAN Canberra, YNG Yaga, PAE Paea, etc.

2018 DEC

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like JOW comp=Z,63nm,1.3s, KSM Kuching, MJAR Matsushiro Arr, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like PZH comp=Z,10.0nm,1.1s, TCUT Toone Canyon, ALPN Alpine, etc.

TEH 01 18:39:48.6, 34°25'N-45°61'E, h8km, 19km, ML3.2
ISN 01 18:39:48.2, 0.4, 34°26'N-45°61'E, h15km, 2km, ML3.1
ISC 01 18:39:49.1, 1.1, 34°25'N-0°03'-45°60'E, 0.0, h8km, 10km, n22, 0°09'27, Iran-Iraq border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like KGS1 Ghasr-e-Shirin, GLG1 Gilan-e-Gharb, etc.

IDC 01 18:52:35.9, 1.5, 2°77'S-119°83'E, h0km, mb3.5/3, mbmp3.6/4, ML3/8/1, Error ellipse: s-maj=60.5km s-min=21.3km az=71.0
DLJ 01 18:52:38.5, 0.4, 3°S-2°12'E, h10km, M4.07, MLv4.0, 0.9
ISC 01 18:52:37.8, 1.0, 2.86S-0.04E-119°52'E, 0.10, h10km, n7, n1923/13, mb3.3/3, Sulawesi

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like TTSI Tana Toraja, TTSI Tana Toraja, etc.

1d 19h

Table with columns: KUR, comp=E, 165nm, 0.5s, pmax, pmax, 19 33 21.4 +0.6, etc.

Table with columns: Code, Station Name, Delta, Az, Op, Phase, ID, Time, Res, etc.

2018 DEC

Main table with columns: RLMT, comp=E, 56nm, 3.5s, 3.35 257, Pn, IAML, 19 36 45.0, etc.

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Table with columns: KHC, comp=Z, 9.9nm, 0.5s, ePg, Pb, 19 39 48.9 +1.2, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like MSF, UMAU, KU6, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like BERT, KRIT, MEDT, etc.

ISK 01 19:56:06.2, 35.92N, 30.82E, h14km, ML2.5/23
AFAD 01 19:56:07.0, 0.0, 35.90N, 30.82E, h31km, ML2.2

Main table for Turkey stations with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like AKUM, AKAS, AKK, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like DAT, BNAZ, YAZI, etc.

IDC 01 20:08:35.0, 1.3, 30.77N, 102.56E, h0km, mb3.5/4,
mbtmtp3.5/4, MS2.7/2, Error ellipse: s-maj=209.4km

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like CMAR, MKAR, ZALV, etc.

RSNC 01 20:18:35.9, 0.0, 5N, 1.7, 6W, h92km, 2km, M3.0, mb3.2,
mb3.7, ML2.8, Mw(mb)2.6, Colombia

Main table for Colombia stations with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like PLMC, CBOC, NIZA, etc.

IDC 01 20:35:21.1, 2.4, 5.29S, 145.95E, h90km, 21km, mb3.6/6,
mbtmtp3.8/9, Error ellipse: s-maj=30.7km s-min=12.3km

ISC 01 20:35:20.3, 0.8, 26S, 0.09N, 145.8E, 0.1, h69km, n24,
s1863.25, mb3.6, Eastern New Guinea region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like PMG, WPKA, MTN, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like KURBB, ILAR, etc.

IDC 01 20:40:38.4, 1.3, 44.99N, 106.84W, h0km, mbtmtp3.0/3,
ML3.5/2, Error ellipse: s-maj=76.4km s-min=10.0km

NEIC 01 20:40:38.4, 1.7, 45.04N, 106.77W, 0.03, h0km, 1km,
ML2.7/36, Error ellipse: s-maj=5.9km s-min=3.0km

ISC 01 20:40:39.0, 1.2, 45.14N, 106.06E, 106.70W, 0.07, h0km, n22,
o070/21, Montana

Main table for Indonesia stations with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like LAO, RLMT, RYNE, etc.

THE 01 21:36:09.9, 40.58N, 29.18E, h10km, 35km, ML3.0/3, Error
ellipse: s-maj=47.4km s-min=1.7km az=80.0

AFAD 01 21:36:10.6, 0.0, 40.59N, 29.95E, h14km, 1km, MW3.5
ISK 01 21:36:10.6, 40.59N, 29.97E, h12km, ML3.5/49

CFUSG 01 21:36:14.7, 40.80N, 29.20E, h10km, mb3.2/6, Western
Turkey Magtype MSH 3.1 from 5 stations

ISC 01 21:36:10.3, 0.9, 40.64N, 0.02, 28.96E, 0.01, h14km, 7km,
n108, s126/137, 13C-5D, Turkey

Main table for Turkey stations with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like ARMT, MDNY, TUZL, etc.

2018 DEC

1d 21h

Table with columns: SART, RYK, BORA, BORCA, PHSR, SUSA, VENI, SMAA, SIMA, STEP, STEP, SHAP, LPK, MDUB, UKOP, GORD, GOMA, ERIK, GELI, COMU, KDZE, KDZE, EDRB, CIFT, YUVA, CAVK, CAVK, ENEZ, ENEZ, KULA, DMLN, KULA, EZN, EZN, ALN, ALN, DKL, PRK, SMTH, RDO, SIGR, LIA, MANR, CIDE, KIRS, TPGR, TLCR, SEV, SEV, SEV, SPBR, YAL, YAL, YAL, VRI, PLOR, DNZZ, DNZZ, DNZZ, DNZZ, ALU, ALU, ALU, SIM, SIM, TURR, OZUR, DOPR, SUDU, SUDU, SUDU, BOVS

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, s, ISC, ISC 01 21:56:11.4, 0.9, 37771N, 02:00:25.1E, 0.03, h11km, gkm, m192, 1.962/264, mb4.0/12, MS3.2/11, Ionian Sea

Table with columns: SCTE, Santa Cesarea, 2.84 327, P, Pn, 21 56 56.9 +0.1, 21 57 32.0 +1.0, SCTE, Santa Cesarea, 2.84 327, P, Pn, 21 56 56.8 +0.1, 21 56 59.9 +1.8, SCTE, Santa Cesarea, 2.84 327, P, Pn, 21 57 05.9 -1.3, 21 57 05.2 -2.1, SCTE, Santa Cesarea, 2.84 327, P, Pn, 21 57 45.6 0.0, 21 57 45.3 +1.4, SCTE, Santa Cesarea, 2.84 327, P, Pn, 21 57 02.5 +1.5, 21 57 01.1 +2.7, SCTE, Santa Cesarea, 2.84 327, P, Pn, 21 57 03.1 +0.2, 21 57 06.3 +1.8, SCTE, Santa Cesarea, 2.84 327, P, Pn, 21 57 07.7 +2.8, 21 57 07.5 +3.0, SCTE, Santa Cesarea, 2.84 327, P, Pn, 21 57 07.0 +1.5, 21 57 54.6 +3.4, SCTE, Santa Cesarea, 2.84 327, P, Pn, 21 57 08.7 +0.6, 21 57 08.7 +0.6, SCTE, Santa Cesarea, 2.84 327, P, Pn, 21 57 14.0 +2.2, 21 57 14.0 +2.2, SCTE, Santa Cesarea, 2.84 327, P, Pn, 21 57 16.1 +1.3, 21 58 04.3 +0.9, SCTE, Santa Cesarea, 2.84 327, P, Pn, 21 57 18.3 +1.3, 21 57 19.5 +2.0, SCTE, Santa Cesarea, 2.84 327, P, Pn, 21 58 12.0 +3.8, 21 57 24.5 +0.7, 21 57 24.1 +0.3, 21 57 29.0 +4.6, 21 58 22.8 +2.3, 21 57 29.0 +3.9, 21 57 24.4 -0.9, 21 57 26.5 +0.5, 21 57 25.8 -0.3, 21 57 27.4 +0.8, 21 57 27.5 +1.0, 21 57 29.5 +0.6, 21 57 30.0 +0.9, 21 58 31.5 +2.5, 21 57 28.7 -1.3, 21 57 18.6 +0.6, 21 58 31.4 -1.0, 21 57 31.8 +0.7, 21 57 30.4 -1.6, 21 57 34.1 +0.5, 21 57 36.4 +2.2, 21 58 39.5 +1.5, 21 57 36.2 +2.0, 21 57 33.7 -0.7, 21 57 39.9 +4.9, 21 57 32.0 -3.1, 21 57 36.9 +1.2, 21 57 39.1 +1.9, 21 57 39.7 +1.4, 21 58 47.3 +1.8, 21 57 39.5 -0.1, 21 57 40.8 +0.9, 21 58 47.4 -1.0, 21 58 54.6 +1.6, 21 57 42.7 -0.3, 21 57 42.9 -0.1, 21 57 46.9 +1.3, 21 58 58.6 0.0, 21 57 45.5 +1.3, 21 57 47.1 0.0, 21 57 49.8 +0.6, 21 58 00.2 +1.6, 21 58 01.8 +1.8, 21 58 31.4 -1.0, 21 58 05.6 +2.0, 21 58 03.3 -1.3, 21 58 17.8 +0.3, 21 58 16.0 -2.3, 22 02 51.5, 21 58 31.5 +0.1, 22 00 17.4 -5.8, 22 00 20.4 -2.9, 21 58 38.4 +1.9, 21 58 41.3 -0.1, 22 03 00.4, 21 58 42.7 +1.2, 21 58 40.6 +2.4, 21 58 40.9 -4.8, 21 58 49.7 +3.7, 22 00 41.6 -5.1, 21 58 51.6 +1.3, 22 00 50.4 -1.1, 21 58 51.0 0.0, 22 00 51.3 -4.7, 21 58 53.7 +1.1, 22 00 56.9 -1.9, 22 00 59.9 +3.3, 22 00 59.7 -6.1, 21 59 02.4 +2.4, 22 01 05.4 -4.7, 22 01 05.4 +3.0, 22 01 07.5 -1.8, 22 01 14.3 +1.5, 22 03 53.1, 21 59 03.8 +0.7, 21 59 03.8 +1.2, 21 59 05.6 +0.8, 21 59 05.3 +0.4, 22 01 21.2 -3.9, 21 59 09.1 +0.3, 22 01 20.8 -6.8, 21 59 17.2 0.0, 22 05 33.7 -1.7, 22 05 57.2, 22 00 20.1 -0.7, 22 00 21.8, 22 00 13.2, 22 00 38.4 +2.3

IDC 01 21:53:04.4, 3.5, 35.97N, 66.83E, h0km, mb3.4/2, mbmp3.3/5, ML2.8/3, Error ellipse: s-maj=97.9km, s-min=27.1km az=139.0

ISC 01 21:53:12.0, 2.0, 36.6N, 02:26:44E, 0.2, h35km, n7, 01975/9, 4D, Hindu Kush region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, s, ISC, ISC 01 21:53:10.8, 37:64N, 20:47E, h0km, 1km, ML3.7/18, Error ellipse: s-maj=2.1km s-min=0.5km az=235.0, BEO 01 21:56:10.4, 0.7, 37:52N, 20:59E, h10km, ML3.6/10, TIR 01 21:56:10.5, 37:81N, 20:09E, h7km, 2km, Mb4.1, Mb4.0, IDC 01 21:56:10.5, 1.1, 37:84N, 20:71E, h0km, mb3.8/10, mbmp3.6/16, ML3.5/5, MS3.3/17, Error ellipse: s-maj=20.9km s-min=17.5km az=170.0, NEIC 01 21:56:10.9, 1.5, 37:59N, 0:07, 20:53E, 0:05, h10km, 1km, mb4.4/8, Error ellipse: s-maj=12.8km s-min=6.3km az=170.0, ATH 01 21:56:12.2, 37:72N, 20:55E, h5km, 1km, ML3.8/18, Manual Solution by A. Papageorgiou First location: 2018/12/01 21:56:39, This location: 2019/02/12 12:31:23 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 2 km, Longitude uncertainty: 2 km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, s, ISC, ISC 01 21:56:11.4, 0.9, 37771N, 02:00:25.1E, 0.03, h11km, gkm, m192, 1.962/264, mb4.0/12, MS3.2/11, Ionian Sea

Table with columns: SCTE, Santa Cesarea, 2.84 327, P, Pn, 21 56 56.9 +0.1, 21 57 32.0 +1.0, SCTE, Santa Cesarea, 2.84 327, P, Pn, 21 56 56.8 +0.1, 21 56 59.9 +1.8, SCTE, Santa Cesarea, 2.84 327, P, Pn, 21 57 05.9 -1.3, 21 57 05.2 -2.1, SCTE, Santa Cesarea, 2.84 327, P, Pn, 21 57 45.6 0.0, 21 57 45.3 +1.4, SCTE, Santa Cesarea, 2.84 327, P, Pn, 21 57 02.5 +1.5, 21 57 01.1 +2.7, SCTE, Santa Cesarea, 2.84 327, P, Pn, 21 57 03.1 +0.2, 21 57 06.3 +1.8, SCTE, Santa Cesarea, 2.84 327, P, Pn, 21 57 07.7 +2.8, 21 57 07.5 +3.0, SCTE, Santa Cesarea, 2.84 327, P, Pn, 21 57 07.0 +1.5, 21 57 54.6 +3.4, SCTE, Santa Cesarea, 2.84 327, P, Pn, 21 57 08.7 +0.6, 21 57 08.7 +0.6, SCTE, Santa Cesarea, 2.84 327, P, Pn, 21 57 14.0 +2.2, 21 57 14.0 +2.2, SCTE, Santa Cesarea, 2.84 327, P, Pn, 21 57 16.1 +1.3, 21 58 04.3 +0.9, SCTE, Santa Cesarea, 2.84 327, P, Pn, 21 57 18.3 +1.3, 21 57 19.5 +2.0, SCTE, Santa Cesarea, 2.84 327, P, Pn, 21 58 12.0 +3.8, 21 57 24.5 +0.7, 21 57 24.1 +0.3, 21 57 29.0 +4.6, 21 58 22.8 +2.3, 21 57 29.0 +3.9, 21 57 24.4 -0.9, 21 57 26.5 +0.5, 21 57 25.8 -0.3, 21 57 27.4 +0.8, 21 57 27.5 +1.0, 21 57 29.5 +0.6, 21 57 30.0 +0.9, 21 58 31.5 +2.5, 21 57 28.7 -1.3, 21 57 18.6 +0.6, 21 58 31.4 -1.0, 21 57 31.8 +0.7, 21 57 30.4 -1.6, 21 57 34.1 +0.5, 21 57 36.4 +2.2, 21 58 39.5 +1.5, 21 57 36.2 +2.0, 21 57 33.7 -0.7, 21 57 39.9 +4.9, 21 57 32.0 -3.1, 21 57 36.9 +1.2, 21 57 39.1 +1.9, 21 57 39.7 +1.4, 21 58 47.3 +1.8, 21 57 39.5 -0.1, 21 57 40.8 +0.9, 21 58 47.4 -1.0, 21 58 54.6 +1.6, 21 57 42.7 -0.3, 21 57 42.9 -0.1, 21 57 46.9 +1.3, 21 58 58.6 0.0, 21 57 45.5 +1.3, 21 57 47.1 0.0, 21 57 49.8 +0.6, 21 58 00.2 +1.6, 21 58 01.8 +1.8, 21 58 31.4 -1.0, 21 58 05.6 +2.0, 21 58 03.3 -1.3, 21 58 17.8 +0.3, 21 58 16.0 -2.3, 22 02 51.5, 21 58 31.5 +0.1, 22 00 17.4 -5.8, 22 00 20.4 -2.9, 21 58 38.4 +1.9, 21 58 41.3 -0.1, 22 03 00.4, 21 58 42.7 +1.2, 21 58 40.6 +2.4, 21 58 40.9 -4.8, 21 58 49.7 +3.7, 22 00 41.6 -5.1, 21 58 51.6 +1.3, 22 00 50.4 -1.1, 21 58 51.0 0.0, 22 00 51.3 -4.7, 21 58 53.7 +1.1, 22 00 56.9 -1.9, 22 00 59.9 +3.3, 22 00 59.7 -6.1, 21 59 02.4 +2.4, 22 01 05.4 -4.7, 22 01 05.4 +3.0, 22 01 07.5 -1.8, 22 01 14.3 +1.5, 22 03 53.1, 21 59 03.8 +0.7, 21 59 03.8 +1.2, 21 59 05.6 +0.8, 21 59 05.3 +0.4, 22 01 21.2 -3.9, 21 59 09.1 +0.3, 22 01 20.8 -6.8, 21 59 17.2 0.0, 22 05 33.7 -1.7, 22 05 57.2, 22 00 20.1 -0.7, 22 00 21.8, 22 00 13.2, 22 00 38.4 +2.3

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like HFS Hagfors, EKA Eskdalemuir, FINES FINESS Array B, etc.

IDC 01 21:59:36.5:6.0, 41.21N:143.45E, h0km, mb3.7/4, mbmp3.6/5, ML1.8/1, MS2.5/2, Error ellipse: s-maj=125.3km s-min=43.0km az=109.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like JEM Erimo, JTHR Tokachihiro, JNKB Urakawa-nobuka, etc.

IDC 01 22:06:44.7:1.0, 37.76N:20.50E, h0km, mb3.8/15, mbmp3.7/23, ML3.5/8, MS3.0/2, Error ellipse: s-maj=19.1km s-min=14.1km az=173.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ORTH Orthonies,Zaky, KRII KERI, etc.

Table with columns: LTHK, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like LTHK Lithakia, Kipseli, Zakin, Pessada-Kefalo, etc.

IDC 01 21:59:38.8:1.8, 41.13N:143.34E, h0.06, h15km, 10km, n30, r1912/30, mb3.5/4, Hokkaido region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ANX Ano Chora, KALE Kalithea, GUR Goura, etc.

IDC 01 22:06:45.8:2.2, 37.63N:20.30E, h0.06, h10km, 2km, mb4.0/10, Error ellipse: s-maj=12.3km s-min=8.0km az=194.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ORTH Orthonies,Zaky, KRII KERI, etc.

Table with columns: IVAS, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like IVAS Ivanjica, KARP Karpathos, RUDD Rudo, etc.

IDC 01 21:59:36.5:6.0, 41.21N:143.45E, h0km, mb3.7/4, mbmp3.6/5, ML1.8/1, MS2.5/2, Error ellipse: s-maj=125.3km s-min=43.0km az=109.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like JEM Erimo, JTHR Tokachihiro, JNKB Urakawa-nobuka, etc.

IDC 01 22:06:44.7:1.0, 37.76N:20.50E, h0km, mb3.8/15, mbmp3.7/23, ML3.5/8, MS3.0/2, Error ellipse: s-maj=19.1km s-min=14.1km az=173.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ORTH Orthonies,Zaky, KRII KERI, etc.

1d 22h

comp=Z,0.8nm,0.3s,baz=310,slow=5.8,SNR=1.4
YKA Yellowknife Ar 73.81 340 P P 22 18 19.5 -0.1

NEIC 01 22:17:13.3-0.9,61.36N,0.02-150.09W,0.05,h45km,5km
Error ellipse: s-maj=3.7km s-min=2.3km az=63.0
AEIC 01 22:17:14.1-1.2,61.36N,0.02-150.10W,0.05,h36km,6km

IDC 01 22:17:15.0-0.6,1.61.41N,149.98W,h81km,52km,mb3.5/6
mmp=3.7/7.7,ML3.2/1.1,M2.2/4.1,Error ellipse: s-maj=61.8km
s-min=45.7km az=171.0
ISC 01 22:17:12.6-0.8,61.36N,0.03-150.11W,0.02,h48km,6km

Table with columns: Code, Station Name, Δ, Az, Phase ID, Op, ISC, Time, Res. Rows include stations like Rabbit Creek A, Susitna One, Willow, Glory Hole Cre, etc.

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Main table listing stations and their details. Columns: KLU, comp, N, S, SNR, etc. Rows include stations like Tolsona, Glenn, Tolsona, Glenn, etc.

Table listing stations and their details. Columns: MCARA, McCarthy VSAT, RIDG, etc. Rows include stations like McCarthy VSAT, Ridge Creek, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, Az, El, P, Res. Includes stations like ARCES ARCESS Array B, FINES FINESSE Array B, EKA Eskdalemuir Ar, etc.

IDC 01 22:18:52.3-1.0, 34.32N; 26.18E, h0km, mb4.0/12, mbtmp3.9/18, ML3.8/5, MS3.5/5, Error ellipse: s-maj=2.2km s-min=15.2km az=180.0

ISK 01 22:18:54.4, 34.25N; 26.25E, h11km, ML3.3/17, NEIC 01 22:18:55.4, 1.8, 34.14N; 0.09, 26.14E; 0.05, h27km, 8km, mb4.0/20, Error ellipse: s-maj=13.1km s-min=5.8km

ATH 01 22:19:02.0, 34.66N; 26.15E, h21km, 4km, ML3.1/9, Manual Solution by A.Andreu First location: 2018/12/01 22:20:14, This location: 2020/07/13 07:19:55 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 9 km; Longitude uncertainty: 2 km

AFAD 01 22:19:02.3-0.0, 34.95N; 26.55E, h6km, 2km, ML2.6

ISC 01 22:18:54.9-1.5, 34.24N; 0.06, 26.21E; 0.03, h23km, 11km, n125, s1997/140, mb4.0/18, Crete

Code Station Name Az El P Phase ID Time Res h m s

Main table of station data for the left column, including stations like ZKR Zakros, AGNA Agios Nikolaos, IACM Iraklio, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, Az, El, P, Res. Includes stations like MBRI Mt Berech, EIL Eilat, TIP Timpanogrande, etc.

PAOL Paolisi, INTR Intradacqua, NRCA Norcia, FDMO Fjordimonte, SABO M.te Sabotino, TEOL Teolo

CIMO Cimolais, CIMO Cimolais, CTI Castel Tesino, CTI Castel Tesino

AKASG Malin Array Be, AKASG Malin Array Be

AKASG Malin Array Be, AKASG Malin Array Be

AKASG Malin Array Be, AKASG Malin Array Be

AKB Malin Array Si, FUORI Fuorn, GERES GERES Array B

DAVOX Davos/Dischmat, DAVOX Davos/Dischmat

TUE Tuetina, SENIN Lac Senin/Sane, SUW Suwalki, CEST Esteri de Car

TAM Tamarassett, TAM Tamarassett

ESBB Sonseca Array, ESDD Sonseca Array, ESDC Sonseca Array

HFS Hagfors, HFS Hagfors

FINES FINESSE Array B, FINES FINESSE Array B

PVAQ Vaqueiros, PVAQ Vaqueiros

EKA Eskdalemuir Ar, EKA Eskdalemuir Ar

TORD Torodi Ar. Bea, TORD Torodi Ar. Bea

ARCES ARCESS Array B, ARCES ARCESS Array B

KURB Kurchatov, KURB Kurchatov

KURK Kurchatov, KURK Kurchatov

MK31 Makanichi Array, MK31 Makanichi Array

MKAR Makanichi Array, MKAR Makanichi Array

ZAAO Zalesovo Array, ZAAO Zalesovo Array

ZALV Zalesovo Beam, ZALV Zalesovo Beam

SUMG Summit, SOMN Songoing Array

SCHG Schefferville, SCHG Schefferville

SEY Seychelles, SEY Seychelles

USRK Ussuriysk Ar., USRK Ussuriysk Ar.

ROSC El Rosal, ROSC El Rosal

DJA 01 22:36:09.9-0.8, 7.3S; 10.5E, h36km, 17km, M4.8/14, MOS 01 22:36:10.7-1.3, 6.4S; 105.26E, h54km, mb5.2/26, Error ellipse: s-maj=11.6km s-min=6.7km az=114.0

NEIC 01 22:36:12.1-1.6, 6.58S; 0.06-1.05; 16E; 0.06, h48km, 5km, mb4.9/72, Error ellipse: s-maj=9.0km s-min=8.2km az=118.0

IDC 01 22:36:15.4-1.9, 6.34S; 105.25E, h73km, 17km, mb4.1/27, mbtmp4.5/30, MS3.8/43, Error ellipse: s-maj=15.2km s-min=10.0km az=59.0

ISC 01 22:36:11.1-0.5, 6.71S; 0.04-1.05; 14E; 0.04, h43km, 4km, h43km; p-P, n368, s1954/371, mb4.8/98, MS3.9/49, 33C-19D, Sunda Strait

Main table of station data for the right column, including stations like BLSI Banda Lampung, KASI Kanda Agung, SKUJ Sukabumi, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, Az, El, P, Res. Includes stations like PWJI Pagerwojo, SISI Saibi, BKNI Bangkinang, etc.

MNSI Mandailing Nat, PMSI Pulau Batu, COCO West Island, COCO West Island

IPM Ipo, PLAI Plampang, KAPI Kappang

KAPI Kappang, KAPI Kappang

KMM Kota Kinabalu, KMM Kota Kinabalu

MMRI Maumere, MMRI Maumere

MYLMD Lahad Datu, BATI Baunata

GERES GERES Array B, SOEI Soe

SOEI Soe, MBWA Marble Bar, MBWA Marble Bar

PSA00 Pilbara Seismi, PSA00 Pilbara Seismi

PSA00 Pilbara Seismi, PBA Port Blair

PSA00 Pilbara Seismi, FITZ Fitzroy Crossi

PSA00 Pilbara Seismi, TMT Ternate

PSA00 Pilbara Seismi, KNRA Kununurra

KNRA Kununurra, PHRA Phrae

PHRA Phrae, CM31 Chiang Mai Arr

CM31 Chiang Mai Arr, CMAR Chiang Mai Arr

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CMAR Chiang Mai Arr, CMAR Chiang Mai Arr

1d 22h

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Table with columns for station name, frequency, power, and other technical details. Includes stations like Port Moresby, Stephens Creek, and various other locations.

Table with columns for station name, frequency, power, and other technical details. Includes stations like HATD Hatta, Dubai, MDH Madha, and various other locations.

Table with columns for station name, frequency, power, and other technical details. Includes stations like PETK Petropavlovsk, MBAR Mbarara, and various other locations.

Table with columns for station name, coordinates, elevation, and various parameters. Includes stations like PLOST, TESRA, NDNUN, LUBAR, etc.

NEIC 01 22:42:01.9.1.1, 61.37N, 02:15:03W, 0.05, h43km, 4km, Error ellipse: s-maj=3.5km s-min=3.2km az=217.0...

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and ISC. Includes stations like RC01, RC01, etc.

Main table of seismic events with columns for station name, magnitude, time, and location. Includes stations like RC01, SUA, M22K, etc.

Table of seismic events with columns for station name, magnitude, time, and location. Includes stations like M19K, M19K, etc.

1d 22h

Table with columns: I23K, I23K, P17K, SCRK, SCRK, SCRK, J25K, J25K, I21K, I21K, POKR, POKR, POKR, L17K, GRNC, GRNC, GRNC, ACHA, K17K, K17K, L27K, L27K, L27K, CTG, CTG, BCAR, CTGM, CTGM, CNTC, M16K, M16K, M16K, J26L, N16K, O16K, O16K, O16K, LOGN, LOGN, LOGN, OHAK, H21K, H21K, H21K, K27K, K27K, K27K, P16K, YU03, H24K, H24K, GOSA, PRP, PRP, PRP, J17K, J17K, J17K, H20K, PLK4, PLK4, PLK4, IMAR, YU03, H15K, H15K, H19K, H19K, H19K, M15K, J16K, J16K, J16K, BCPM, BCPM, EGAK, H18K, H18K, H18K, G23K, G21K, L15K, K24K, K15K, I17K, I17K, M29M, DAWY, DAWY, FYU, YU06, YU06, I27K, M14K, M14K, L29M, N14K, G19K, L14K, F21K, HYT, I28M, N30M, F20K

2018 DEC

Table with columns: F24K, K29M, P29M, H16K, F19K, F19K, J14K, J14K, B14R, F25K, M13K, M13K, G27K, CHGN, F18K, F18K, O30N, F26K, F19K, K13K, J30M, F17K, F17K, I30M, SKAG, E16K, E16K, F28M, E17K, E17K, E27K, C21K, D25K, H31M, C27K, R33M, INK, U33K, TG2N, DLBC, C36M, A36M, B3B, YKA, LTY, LTY, NEW, H04A, I07A, I07A, BMO, YBH, PLID, LYMT, FCC, FCC, RLMT, RLMT, ELK, ELK, NVAR, PDAR, PDAR, TIXI, ULM, ULM, ULM, CCUT, CCUT, ASAJ, SADO, TXAR, TKL, KRSR, KRSR, ZALV, FINES, HFS, EKA, BVAR, KURBB, MKAR, OSTO, AKASG, KRLC, KHC, GERES, GERES, MOTA, WATA, SOTA, WTTA, WTTA, FETA, KBA, OBKA, ESDC, CMAR

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Table with columns: BOSA, QSPA, NEIC 01, AEIC 01, Code, Station Name, A, AZ, Phase ID, Op, ISC, h, m, s, ISC, Res

Table with columns: Station Name, Value, Status, Date, and Time. Includes stations like Ishikarishitsu, Asahikawa, Asaj, and Eniwo.

Table with columns: Station Name, Value, Status, Date, and Time. Includes stations like KLR, KLR, MAJ, MAJ, MAJ, and ZAK.

Table with columns: Station Name, Value, Status, Date, and Time. Includes stations like G18K, G18K, G18K, and KURK.

VIE 01 23:43:53.8.0.6.51.47N.16.21E, h0km, mb2.2/1, m12.6/3, Error ellipse: s-maj=9.5km s-min=4.1km az=73.0, Suspended Mining Induced, PRU 01 23:43:53.8.1.5.40N.16.12E, h0km BRG 01 23:43:49.6.0.9.51.56N.0.03.16.21E.0.03, h0km, m29, s1252.54, Poland

Plg64.0000°, Azm91.0000°; N 0.0512, Plg4.0000°, Azm188.0000°; P -2.6479, Plg26.0000°, Azm280.0000°; VAO 01 23:55:25.3.0.3.33.92S.72.08W, h10km, mb5.5, GCMT 01 23:55:28.7.0.1.33.93S.0.01.72.55W.0.01, h20km, MW5.6/147, Moment Tensor Solution. s116.c207; s147.c263; Duration: 1s5 Moment tensor: Scale 1017 Nm; M1: 1.74e+03; M2: 0.02e+02; M3: -1.76e+02; M4: -0.18e+04; M5: -0.21e+01; M6: 2.11e+07; Best double couple: M2: 75600x1017 NP1: 185.00000°, 870.00000°, 789.00000°; NP2: 188.00000°, 820.00000°, 893.00000°; Principal axes: T 2.7330, Plg65.0000°, Azm94.0000°; N 0.0430, Plg1.0000°, Azm15.0000°, P -2.7780, Plg25.0000°, Azm276.0000°; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ISC 01 23:55:24.2.0.9.33.92S.0.02.72.36W.0.03, h11km, 5km, n809, s1514/707, mb5.5/111, MS5.4/178, 33C-46D, Off coast of central Chile

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Cerro Villicun, Cerro Coronel, Juntas del Toro, etc.

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

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

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

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BO02, BO02, BO02, BO02, etc.

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

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

Table with columns: Call Sign, Frequency, Band, Mode, Power, and other technical details. Includes stations like BDFB, DUB01, SNDB, etc.

Table with columns: Call Sign, Frequency, Band, Mode, Power, and other technical details. Includes stations like QSPA, NVL, TLIG, etc.

Table with columns: Call Sign, Frequency, Band, Mode, Power, and other technical details. Includes stations like EPT, OKCSW, RLO, etc.

Table with columns: Name, Description, Time, Status, and other metrics. Includes entries like BOSA Boshof, ECSD EROS Data Cent, MTPU Mount Pierson, etc.

Table with columns: Name, Description, Time, Status, and other metrics. Includes entries like POGA Pongola, LAO LASA Array, ORV Oroville, etc.

Table with columns: Name, Description, Time, Status, and other metrics. Includes entries like OBKA Obir, A36M Sacks Harbour, NKC Novy Kostel, etc.

GUC 01 23:59:21.1-0.5, 33.95S:72:37W, h33km, 4km, ML4.6
NEIC 01 23:59:21.1-1.5, 33.94S:03:72:38W, 0.05, h19km, 1km,
mb5.1/49, Mw1.4, 7/10, Error ellipse: s-maj=6.6km
s-min=4.4km az=114.0, Moment Tensor Solution.
Moment tensor: Scale 10^16Nm; Mr:1.02; Mw:0.04;
Mw-1.07; Mw:0.19; Mw:0.45; Mw:0.68; Fault plane
solution: M1.34000x10^16 NPT:180.59000, delta1.49000,
7.68.83000. NP2:36.95000, delta2.97000, lambda2.62000.
Principal axes: T 1.3061, P166.0000, Azm15.0000; N
0.0664, P19.0000, Azm191.0000; P -1.3725,
P14.0000, Azm286.0000

NEIC 01 23:59:21.1, 33.94S:72:38W, h19km
ISC 01 23:59:18.4, 1.8, 33.93S:02:72:40W, 0.04, h4km, 1km,
n178, -0.82/188, mb5.0/38, MS5.1/4, 7C-11D, Off coast of
central Chile

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, ISC. Contains station data for BO03, VA05, MT01, BO01, MT02, MT05, BO04, MT12, MT03, MT15, PEL, MT03, MT14, MT16, MT10, MT13, LMEL, FCH, VA03, MT04, ML02, MT08, BI02, CO06, ZON, GO04, H03S3, H03S2, H03N1, H03N3, GO06, AC04.

Table with columns: LR04, Corral, PLCA, LPAZ, AODB, EFI, SIV, PTLB, NNA, VILB, SPB, ETMB, VAO, BDFB, TBTG, MAL2, BOAV, BALV, BELA, VNA3, VNA1, VNA2, SNA4, SNA3, SNA2, SNA1, MLPR, OBIP, CELP, SJG, TROLL, QSPA, VNSA, VNSA, J33A, JCT, X48A, TXAR, TX31, CPCT, TKL, TKL, T59A, CLTN, WVT, VHRN, LCAR, FCAR, PBMO, MAW, SMWD, CCM, CCM, CCM, ACSD, P40A, DBIC, DBIC, ANMO, X16A, SDCO, SOE, BOSA, BOSA, ECSD, CCUT, LBTB, LBTB, LBTB.

Table with columns: DUG, PDAR, NVAR, ELK, TORD, ULM, SCHO, ASAR, WRA, BRTR, AKASG, KLMMR, KIV, ARTI, BRVK, YAK, KURSB, KURK, KSH, KSH, KSH, ZALV, MKAR, WMO, WMO, WMO, SONM, PZH, HHC.

RSNC 01 23:59:32.2-0.0, 13°N:3°W, h15km, 4km, M2.7, mb4.0,
mB5.0, ML2.7, Mw(mB)4.3, Caribbean Sea

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, ISC. Contains station data for PRVC, SAIC, SAIC, RNC, SERC, BLUN, BLUN, ESPN, ACON, BCIP, JTS, GMAL, GMAL, AZU, AZU, TGUH.

AEIC 01 23:59:35.0-1.5, 61.133N:02:150:03W, 0.05, h21km, 1km,
ML3.1, ML3.2/140(NEIC), Error ellipse: s-maj=3.7km
s-min=3.3km az=104.0
IDC 01 23:59:35.6-1.2, 61.105N:149:27W, h99km, 20km, mb2.9/1,
mbmp3.1/6, MS2.7/2, Error ellipse: s-maj=29.1km
s-min=9.7km az=116.0
NEIC 01 23:59:35.5-0.7, 61.35N:02:149:98W, 0.06, h41km, 9km,
Error ellipse: s-maj=4.3km s-min=3.1km az=126.0
ISC 01 23:59:34.6-0.9, 61.32N:03:149:98W, 0.03, h45km, 8km,
n80, -1.948/88, Southern Alaska

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, ISC. Contains station data for RC01, SUA, SUA, M22K, M22K, GHO, GHO, KNK, KNK, KNK, CAPN, SKLAK, O22K, STLK, PWL, SML, SML, SKT, SPU, SPU, CUT, SCM, SCM, GLI, GLI.

2d 0h

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like M20K Styx River, BRLK Bradley Lake, FID Port Fidalgo, etc.

2018 DEC

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like K17K Beaver Creek A, B6AR Timber Creek, M16K Melozitina River, etc.

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Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like OK048 Pawnee Station, OK051 E0350 and S346, OK052 Battle Ridge R, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Sharon Grove, Miller, Jewell Farm, etc.

IDC 02 00:16:14.1±1.1, 67.26N:21.17E, h0km, mbmp3.1/3, ML1.9/3, Error ellipse: s-maj=22.1km s-min=7.8km az=114.0

UPP 02 00:16:15.1±0.0, 67.19N:20.65E, h1km, ML2.6, Unknown HEL 02 00:16:15.1±0.0, 67.19N:20.58E, h0km, ML1.6, Suspected explosion

Main station list table for 2018 DEC, columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like DUNDRE, MASUGNSBYN, LAUKKULUSPA, etc.

NEIC 02 00:34:02.6±2.0, 36.21N:0.019892W:0.02, h5km, 1km, mb_Lg2.2/14, ML2.7/22, Error ellipse: s-maj=2.9km s-min=2.4km az=345.0, Oklahoma

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like West end E0370, ELIS County, Waynoka, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like R32A, WTFS, TUL3, etc.

IDC 02 00:45:44.1±1.4, 31.43S:68.85W, h0km, mb3.4/2, mbmp3.5/4, ML3.5/2, Error ellipse: s-maj=50.6km s-min=41.9km az=179.0

GUC 02 00:45:58.3±0.8, 30.97S:69.15W, h156km, 12km, ML3.6 SJA 02 00:45:58.3±0.7, 30.95S:68.81W, h104km, 2km, ML3.3 MW2.4

IDC 02 00:45:58.8±0.8, 30.95S:0.03-68.79W:0.03, h105km, 5km, n48, c182771, 1C, San Juan Province

Main station list table for 2018 DEC, columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like DOCA, ACCO, RTLL, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like TORO, WRA, ZALV, MKAR, etc.

IDC 02 00:46:24.9±1.3, 37.66N:20.73E, h0km, mb3.7/9, mbmp3.6/13, ML3.5/4, Error ellipse: s-maj=25.1km s-min=20.0km az=154.0

ATH 02 00:46:26.7, 37.65N:20.27E, h5km, 1km, ML3.6/32, Manual Solution by A. Fokasels First location: 2018/12/02 00:47:23, This location: 2020/10/22 06:02:06 ML

Amplitudes are expressed in micrometers. All distances are expressed in degrees Latitude uncertainty: 0 km; Longitude uncertainty: 0 km

THE 02 00:46:27.4, 37.67N:20.33E, h0km, 2km, ML3.3/13, Error ellipse: s-maj=2.3km s-min=0.6km az=244.0

IDC 02 00:46:28.2±1.1, 37.70N:0.03-20.36E:0.04, h15km, 7km, n91, c0598/122, mb3.5/9, Ionian Sea

Main station list table for 2018 DEC, columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like ORTH, KRII, LTHK, etc.

2d 1h

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Includes entries like GERES GERRS Array B, ESDC Sonseca Array, HFS Hagfors, etc.

TRN 02 00:46:38.8, 11.77N-61.12W, h42km, MD3.6, South-west of Grenada, Windward Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Includes entries like GRGR Grenville, GRW Mount Saint Ca, GRFF Grenada Fort F, etc.

DJA 02 00:48:38.6-0.3, 7.3S-3.105E, h10km, M4.3/13, mb4.8/1, MLV4.1/13, Sunda Strait

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Includes entries like KASI Kota Agung, SKUJ Sukabumi, BLSI Bandar Lampung, etc.

IDC 02 00:54:11.3-1.3, 37.47N-20.73E, h0km, mb3.6/7, mbtmp3.5/10, ML3.9/1, Error ellipse: s-maj=29.1km s-min=20.4km az=149.0

THE 02 00:54:13.3, 37.45N-20.35E, h0km, 2km, ML3.2/12, Error ellipse: s-maj=2.8km s-min=0.8km az=229.0

NEIC 02 00:54:13.2-1.9, 37.43N-0.07-20.33E-0.07, h10km, 2km, mb4.0/3, Error ellipse: s-maj=12.6km s-min=8.6km az=205.0

ATH 02 00:54:13.6, 37.46N-20.35E, h6km, 2km, ML3.4/15, Manual Solution by A.Androu First location: 2019/12/02 00:55:18, This location: 2019/02/13 16:50:02 ML

ISC 02 00:54:13.5-1.3, 37.45N-0.03-20.38E-0.03, h11km, 8km, n98, f128/121, mb3.9/9, Ionian Sea

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Includes entries like KRI1 KERI, LTHK Lithakia, LTHK Lithakia, etc.

2018 DEC

Main table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Includes entries like PYL PYLOS, PYL PYL, AS71 Astakos, etc.

SJA 02 00:57:42.3-0.7, 33.94S:72.43W, h20km, 2km, ML3.8, MW4.0

IDC 02 00:57:42.4-1.1, 33.85S:72.20W, h0km, mb3.6/5, mbtmp3.6/8, ML3.6/3, Error ellipse: s-maj=45.0km s-min=19.5km az=92.0

GUC 02 00:57:44.3-0.8, 32.96S:72.40W, h33km, 24km, ML3.9

ISC 02 00:57:42.3-1.6, 33.93S:72.37W-0.05, h2km, 9km, n67, f131/76, mb4.0/6, 6C-3D, Off coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Includes entries like VA05 Santo Domingo, VA05 VA05, VA05 Popeta, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Includes entries like MT05 Pirque, MT12 Sierra Bellavista, BO02 Sierra Bellavista, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like SKLM Skilak Lake, O22K Cooper Landing, and TTA Tatalina.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like TTA Tatalina, HDA Harding Lake, L18K Granite Mounta, and YKA Yellowknife Ar.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like VLAKA Lakatoro, YATNC Mamie plateau, and KRSC Komandorsky Islands region.

NOU 02:01:38:07.9, 11:98S:169:70E, h144km, mb4.7/11, Santa Cruz Islands Region
IDC 02:01:38:29.2, 3.7, 14:26S:167:32E, h190km, 32km, mb4.0/8, mbmp4.4/9, Error ellipse: s-maj=27.3km s-min=23.6km az=68.0
NEIC 02:01:38:40.6, 1.2, 14:3S:0:2:167:5E:0:1, h203km, 13km, mb4.5/19, Error ellipse: s-maj=27.5km s-min=13.7km az=221.0
ISC 02:01:38:40.1, 0.9, 14:28S:0:09:167:3E:0:1, h200km, n43, +19:42, mb4.5/16, Vanuatu Islands

Table with columns: Station Name, Az, Phase ID, Time, Res, Code. Includes stations like GNL Ganaly, KRMR Karymshinsky, RUS Russkaya, etc.

IDC 02 01:52:55.7z 1.4, 61.309N, 148.81W, h0km, mb3.2/2, mbmp3.2/5, ML3.2/3, Error ellipse: s-maj=20.3km s-min=1.5km az=109.0, AEIC 02 01:52:55.0z 2.5, 61.34N, 150.04W, 0.04, h19km, 3km, ML3.0, ML3.1/116(NEIC), Error ellipse: s-maj=3.2km s-min=2.9km az=160.0, NEIC 02 01:52:55.4z 1.3, 61.33N, 149.92W, 0.05, h42km, 8km, Error ellipse: s-maj=3.6km s-min=1.4km az=105.0, ISC 02 01:52:55.2z 1.4, 61.30N, 149.91W, 0.03, h36km, 2km, n56, e1515/51, Southern Alaska

Main station list table for the left column, including stations like Rabbit Creek A, Susitna One, Willow, Glory Hole Cre, Knik Glacier, Captain Cook N, Skilak Lake, Port Wells, Sawmill, Stranline Laks, Skwentna, Mount Spurr, Chulitna, Sheep Creek Mo, Bradley Lake, Styx River, Port Fidalgo, Hinchinbrook I, Klutina, Tolsona, Glenn, Denali Highway, Reindeer, Big River Lodg, Bonanza Creek, Castle Rocks, Port Alsworth, Chitina, Valde, Ragged Mount, Telida, Bear Paw Mtn, Gilahina Butte, Verde Repeater, Talatina, Granite Mount, Misakicho, Nabesna, AK, Nowinta River, Holitna River, Eielson Array, etc.

Table with columns: Station Name, Az, Phase ID, Time, Res, Code. Includes stations like J19K Poorman, KDAD Kodiak Island, J18K Innoke River, I23K Minto, M27K Edge Creek, K17K Iditarod, J26L Joseph Creek, M16K Timber Creek, H21K Melozitna Rv, DLBC Dease Lake, NVAR Mina Array Bea, PDAR Pinedale Array, etc.

ISK 02 01:57:34.9, 37.35N, 30.59E, h24km, ML1.0/4, Turkey. Table with columns: Code, Station Name, Az, Phase ID, Time, Res, Code. Includes stations like BCK Bucak, KORT Korkuelli, ANTB Antalya, ELL Elmali, etc.

AFAD 02 01:58:03.0z 0.0, 38.08N, 30.90E, h39km, 9km, ML1.0, Turkey. Table with columns: Code, Station Name, Az, Phase ID, Time, Res, Code. Includes stations like YVAC Isparta, YVAC Yalva, AFYON Afyon-Dinar-K, AFYON ANTB, DOGA KONYA, DOGA DOGA, KZIL AFYON, KZIL KZIL, etc.

IDC 02 01:58:54.9z 3.3, 43.77N, 148.53E, h0km, mb3.3/3, mbmp3.4/5, ML2.9/2, MS3.7/1, Error ellipse: s-maj=89.6km s-min=27.9km az=169.0, JMA 02 01:58:55.4z 0.4, 44.4N, 148.8E, h76km, MV3.3/15, SE OFF ETOROFU, SKHL 02 01:58:56.0z 0.4, 43.80N, 148.30E, h35km, 4km, mb4.7/3, MOS 02 01:58:58.1z 1.7, 43.96N, 148.12E, h49km, mb4.1/1, Error ellipse: s-maj=20.7km s-min=16.3km az=146.4, ISC 02 01:58:54.2z 2.7, 43.89N, 148.11E, 0.06, h2km, 17km, n30, e1942/35, mb3.3/3, 1C-1D, East of Kuril Islands

Main station list table for the middle column, including stations like SHO Shikotan, KUR Kuril'sk, YUK Yuzh-Kuril'sk, NEM2 Nemuro 2, NMR Nemuro-Hokkai, RUSJ Rausu, JNSB Nuroshibetsu, JKHJ Kishirohama, AKK Akkeshi, JAK Akkeshi, JOB Onbetsu, JCH Churui, JCH Kamikawa-asahi, ASAJ Asahikawa, ASAJ Petroglavovsk, H1N2 WAKE ISLAND Hy, etc.

Table with columns: Station Name, Az, Phase ID, Time, Res, Code. Includes stations like H1N1 WAKE ISLAND Hy, H1N2 WAKE ISLAND Hy, H1N3 WAKE ISLAND Hy, H1S3 WAKE ISLAND Hy, H1S2 WAKE ISLAND Hy, ILAR Eielson Array, YKA Yellowknife Ar, AKTO Ayubinsk, NVAR Mina Array Bea, etc.

IDC 02 02:03:35.3z 23.0, 37.76N, 20.68E, h0km, mb3.7/4, mbmp3.7/4, Error ellipse: s-maj=438.6km s-min=47.5km az=38.0, THE 02 02:03:37.6z 37.63N, 20.36E, h0km, 2km, ML3.1/13, Error ellipse: s-maj=3.6km s-min=0.9km az=234.0, ATH 02 02:03:38.5z 37.63N, 20.40E, h2km, 1km, ML3.2/3, Manual Solution by A. Andreou First location: 2018/12/02 02:04:32, This location: 2020/07/14 07:01:30 ML, Amplitudes are expressed in micrometers. All distances are expressed in degrees Latitude uncertainty: 1 km; Longitude uncertainty: 1 km; ISC 02 02:03:36.5z 1.6, 37.59N, 20.04, 0.232E, 0.05, h10km, 8km, n58, e1810/88, mb3.9/4, Ionian Sea

Main station list table for the right column, including stations like ORTH Orthones, Zaky, KR11 KERI, LTHK Lithakia, LTHK Lithakia, KYPs Kipselli, Zakin, PSDA Pessada-Kefalo, PSDA Pessada-Kefalo, PSDA Pessada-Kefalo, RTZL Ratzakli, Kefa, LXRI Lixouri, Cepha, VLS Valsamata, VLS Valsamata, DMLN Damoulianata-K, DMLN Damoulianata-K, SMHA Samh, CLEM Kyllini, Iliia, G, VSK1 VASILIKIADES, VSK1 VASILIKIADES, FSK Fiskardo, FSK Fiskardo, RLS Riolos of Patr, RLS Riolos of Patr, EVGI Lefkada island, EVGI Artemida-Makis, AST1 Astakos, DRO Drossia, DRO Drossia, NYDR Nydri-Lefkada, NYDR Nydri-Lefkada, LK2D Lefkada island, LK2D Lefkada island, LK2D Lefkada island, TSUK Tsoukalades, L, TSUK Tsoukalades, L, PVL PYLOS, PVL PYLOS, ITM Ithomi, ITM Ithomi, PVO Paravola, EFP Epfalio, EFP Epfalio, KLV Kalavryta, Ach, KLV Kalavryta, Ach, ANX Ano Chora, ANX Ano Chora, ANX Ano Chora, GUR Goura, KALE Kalitheia, KALE Kalitheia, EVR Evrytania, EVR Evrytania, TETR Tetraokomo, Epi, MAKR Makrakomi, Fth, MAKR Makrakomi, Fth, LOU Loutraki, LOU Loutraki, LTA Loutraki, AKAR Akros Charalambos, HFS Hagfros, HFS Hagfros, FINES FINESS Array B, MKAR Makanchi Array, ZALV Zanevsko Beam, etc.

2018 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Hitachi, Fukushimafurud, Iwakimizuishiy, etc.

NEIC 02:02:36:03.4, 1.5, 23.38S:01:180.0W:0.1, h496km, 6km, mb4.4/6, Error ellipse: s-maj=20.1km s-min=18.3km az=139.0

NOU 02:02:36:04.7, 23.69S:179.83W, h529km, mb6.6/11, South of Fiji Islands

IDC 02:02:36:04.8, 0.7, 23.71S:179.99E, h521km, mb6km, mb3.7/12, mbtmp4.5/14, Error ellipse: s-maj=15.0km s-min=13.0km az=97.0

ISC 02:02:36:04.2, 0.5, 23.85S:07:179.98W:0.07, h518km, n96, e194/97, mb4.3/45, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Nonsavu, MSVF, NUIE, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ASAR, ASAR, ASAR, WRO, WRA, WRA, WRA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BIAO, SOKA, WTTA, DAVA, TORD, etc.

OMAN 02:02:37:09.9, 0.1, 24.92N:61.53E, h10km, ml3.1/13, Error ellipse: s-maj=1.0km s-min=0.9km az=35.0

DSN 02:02:37:11.1, 1.7, 24.49N:61.28E, h10km, ML2.6/6, Error ellipse: s-maj=0.40km s-min=10.1km az=30.0

ISC 02:02:37:10.1, 4.2, 4.33N:0.05, e148E:0.09, h10km, n25, e25/144, Off coast of Pakistan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like NGCH, WBK, WBK, JLN, etc.

IDC 02:02:50:10.8, 1.9, 0.06N:123.42E, h157km, mb3.8/23, mbtmp4.2/26, MS3.6/1, Error ellipse: s-maj=21.8km s-min=9.4km az=71.0

NEIC 02:02:50:11.8, 2.9, 0.02N:0.08, 123.54E:0.07, h158km, 9km, mb4.5/20, Error ellipse: s-maj=12.8km s-min=8.5km az=136.0

DJA 02:02:50:13.0, 0.2, 0.2, 0.2, S, 3, 12.1E, h108km, 6km, M4.8/18, mb5.6/6, mb4.7/13, ML4.6/18, Mw(MB)5.1/6

ISC 02:02:50:11.0, 0.3, 0.04N:0.05, 123.53E:0.06, h157km, n89, e149/97, mb4.1/37, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KMSI, MPRI, SANI, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like CHIANG MAI, NANJING, LANZHOU, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like RABBIT CREEK A, WILLOW, SUSITNA ONE, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like P19K, P19K, MCK, etc.

IDC 02:58:40.4:12.0, 20'31N-142.92E, h219km, 108km, mb3.0/6, mbtmp3.6/6, Error ellipse: s-maj=136.7km...

IDC 02:58:40.4:12.0, 20'31N-142.92E, h219km, 108km, mb3.0/6, mbtmp3.6/6, Error ellipse: s-maj=136.7km...

IDC 02:58:40.4:12.0, 20'31N-142.92E, h219km, 108km, mb3.0/6, mbtmp3.6/6, Error ellipse: s-maj=136.7km...

IDC 02:04:23.6:1.1, 61.21N-149.57W, h0km, mb3.7, mbtmp3.3/5, ML3.3/4, MS2.4/2, Error ellipse: s-maj=30.2km...

2d 3h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like INK, BBB, YKA, SONM.

SDD 02 03:06:29.3, 3.1, 37.79N; 201.725W, h31km, 19km, MD3.9, ML3.4, MW3.7

Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Lists stations from LOPP1 to RCC.

ICD 02 03:19:05.1, 1.1, 37.59N; 201.56E, h0km, mb3.6/11, mbtmp3.5/18, ML3.5/5, MS3.1/7, Error ellipse: s-maj=22.7km s-min=15.2km az=153.0

THE 02 03:19:04.5, 37.51N; 201.39E, h0km, 3km, ML3.8/12, Error ellipse: s-maj=3.6km s-min=1.0km az=220.0

ATH 02 03:19:04.6, 37.52N; 201.36E, h2km, ML3.8/33, Manual Solution by A. Andreou First location: 2018/12/02 03:19:22

PDG 02 03:19:05.7, 0.2, 37.56N; 201.38E, h8km, 1km, ML3.8/10, Error ellipse: s-maj=0.9km s-min=1.5km az=0.0

BEO 02 03:19:08.0, 5.7, 37.66N; 201.60E, h10km, ML3.8/9

NAO 02 03:19:16.3, 37.63N; 201.30E, h10km, mb3.7

ISC 02 03:19:05.8, 1.2, 37.56N; 201.46E, 0.03, h16km, 7km, n189, s176/222, mb3.5/10, MS3.1/4, 21C-14D, Ionian Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like KR11, LTHK, ORTH, KYPIS, PSDA.

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Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Lists stations from DMLN to HERR.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Lists stations from A050A to YKA.

TAP 02 03:36:36.0, 2.1, 48N; 121.22E, h54km, 1km, ML3.5, D

ISC 02 03:36:35.8, 2.3, 2.158N; 110.121E, 0.04, h16km, 9km,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Lists stations from TSEB to CHKH.

Table with columns: Code, Station Name, Az, El, P, S, Res, and various satellite identifiers. Includes stations like CHKH, FULB, STYH, CHNI, etc.

NOU 02 03:36:48.7, 15:72S:167.98E, h203km, mb4.7/41, Vanuatu Islands
IDC 02 03:36:48.2, 2.0, 15:69S:167.99E, h205km, 18km, mb3.9/17, mbmp4.4/19, Error ellipse: s-maj=15.5km s-min=12.3km az=70.0
NEIC 02 03:36:49.3, 1.7, 15:64S:0.07:168.0E:0.1, h206km, 8km, mb4.7/28, Error ellipse: s-maj=17.9km s-min=6.4km az=65.0

Table with columns: Code, Station Name, Az, El, P, S, Res, and various satellite identifiers. Includes stations like VLAKA, DVP, LUES, etc.

Table with columns: Code, Station Name, Az, El, P, S, Res, and various satellite identifiers. Includes stations like ASAR, BBOO, BBOO, etc.

Table with columns: Code, Station Name, Az, El, P, S, Res, and various satellite identifiers. Includes stations like SQTA, FETA, TOR, etc.

2015 DEC

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VPAQ, VAGUIRES, EGRO, etc.

NEIC 02 04:28:43.1+0.6, 57.7S:0.2-25.8W:0.4, h66km, 9km, mb4.3/8, Error ellipse: s-maj=37.5km s-min=11.5km az=55.0

IDC 02 04:28:44.6+0.6, 57.76S:25.86W, h83km, 50km, mb3.8/8, mbtmp4.1/9, ML4.0/1, MS3.6/2, Error ellipse: s-maj=32.3km s-min=16.3km az=66.0

ISC 02 04:28:40.7-0.6, 57.7S:0.1-25.8W:0.2, h50km, n50, o#80/40, mb4.1/9, 10C, South Sandw Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HOPE, VNA1, VNA3, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PDAR, FINESSE, OVAND, etc.

SOME 02 04:32:45.1, 40.73N:75.85E, h15km NNC 02 04:32:48.2, 1.5, 40.87N:75.89E, h0km, mb3.9, mpv3.5, Error ellipse: s-maj=10.7km s-min=7.7km az=170.0

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

AML 68m,0.5s ULHL 40m,0.2s ULHL 40m,0.2s

AML 68m,0.5s AML 48m,0.4s AML 48m,0.4s

TKM2 18m,0.2s, SNR=45 TKM2 29m,0.2s TKM2 29m,0.2s

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SFK, FRU1, KST, etc.

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

SDD 02 04:40:38.6+2.0, 19.64N:71.32W, h23km, 12km, MD3.3, ML2.4, MW3.1

OSPL 02 04:40:38.9+0.7, 19.71N:71.30W, h1km, 4km, ML1.7, ISC 02 04:40:38.9+1.5, 19.66N:0.06741E:0.07, h27km, 7km, n9, o#97/27, Dominican Republic region

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

KRNET 02 04:43:52.0+1.0, 39.74N:74.48E, h15km, mb4.0, IDC 02 04:43:52.9+1.6, 39.71N:74.26E, h0km, mb3.8/7, mbtmp3.7/13, ML2.7/5, MS3.2/5, Error ellipse: s-maj=28.1km s-min=12.6km az=128.0

Table with columns: Code, Station Name, AZ, Phase ID, Time, Res, ISC. Lists stations from SFK to IUG with various data points.

Table with columns: IUG, Time, Res, ISC. Lists stations from IUG to ABKAR with various data points.

Table with columns: Code, Station Name, AZ, Phase ID, Time, Res, ISC. Lists stations from AKTO to MAKZ with various data points.

IDC 02:04:46.21; 6i:3.4, 7:52S; 128:86E, h134km; 37km, mb3.9/10, mbmp4.3/14, MS2.9/1, Error ellipse: s-maj=31.8km...

DJA 02:04:46.23; 6i:0.3, 8:5:3; 12:9E, h181km; 9km, M4.6/12, mb4.6/8, mBS:2.6, MLV4:7/12, Mw(mB):4.6/6...

NEIC 02:04:46.24; 0.2, 5:7.44S; 0:09, 128:76E; 0.07, h145km; 9km, mb4.1/10, Error ellipse: s-maj=13.5km s-min=9.4km

ISC 02:04:46.23; 2.0, 5:759S; 0:05, 128:81E; 0:06, h150km, m61, o185/64, mb4.2/17, Banda Sea

2d 4h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time Res, ISC. Includes entries like AAK Ala-Archa, ZAAO Zalesovo Array, ZALV Zalesovo Beam, etc.

IDC 02:04:48:36.9:0.9,55:10Sx124.55W,h0km,mb4.2/6, mbmp4.2/6,MS3.7/8,Error ellipse: s-maj=31.7km s-min=26.4km az=144.0

ISC 02:04:48:37.5:1.0,54.9S:0.2,124.8W:0.2,h10km,n35, r=111/14,mb4.2/8,MS3.7/8,4C,Southern East Pacific Rise

Main table of station data with columns: Code, Station Name, Azimuth, Phase ID, Time Res, ISC. Includes entries like PMSA Palmer Station, QPSA South Pole Qui, TBI Tubuai, etc.

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Main table of event data with columns: Code, Station Name, Azimuth, Phase ID, Time Res, ISC. Includes entries like RC01 Rabbit Creek A, RC01 Rabbit Creek A, SUA Susitna One, etc.

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Main table of event data with columns: Code, Station Name, Azimuth, Phase ID, Time Res, ISC. Includes entries like DHY Denali Highway, DHY Denali Highway, L20K Castle Rocks, etc.

2d 4h

Table listing various stations and their frequencies, including INK, A22K, U33K, GAMB, WRAP, DLBC, CRAG, T35M, SP1A, UNV, WRGLY, TOAD, KOTAN, C36M, A36M, BBB, YKA, YKA, SHEM, D05A, B08A, M04C, NEW, NEW, D08A, G05A, F07A, H04A, RES, RES, RES, I05D, K02D, J04A, J05D, J05D, I07A, BMO, PLID, FFC, FFC, FFC, EUNU, FCC, FCC, YMR, MA2, YNE, YMP, PAHR, RLMT, MPK, PETK, PETK, LAO, PNTR, TPAW, ELK, ELK, WAKR, WAKR, HVI, KVN, NVAR, NVAR, NV11, LHV.

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Table listing various stations and their frequencies, including PDAR, MDPB, OMMB, TCUT, CTU, SKR, SKR, MIND, R11B, R11B, ULM, ULM, ULM, ULM, ULM, BSUT, K22A, RSSD, RSSD, RSSD, S11A, S11A, PSUT, SGV, RDMU, TPNV, PRN, PRN, ISA, P18A, Q16A, GWY, CCUT, NEEM, NEEM, O20A, SHPR, LCMT, N23A, GSC, U12A, U15A, FRB, MVCO, Q24A, Q24A, S22A, ECSD, BLYC, YAK, Y14A, SDCO, X16A, 113A, T25A, ANMO, ANMO, ANMO, TUC, TUC, SUMG, SUMG, SUMG, SUMG, DAGO, SFJD, 121A, P38A, SPITS, M5TX, DBG, ICESG, ICESG, DY2G, T35A, HSG, SCHG, VLDO, VLDO, WMOK, POST, TUL3, VHRN, W35A.

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Table listing various stations and their frequencies, including U38A, MGMO, SADO, NRIK, NRIK, P46A, ISOG, O48B, OZNA, BLO, TXAR, TXAR, TRQ, TRQ, MIAR, WCI, WCI, WCI, HPIG, DRIO, T47A, HND0, LP1G, L56A, CLTN, V48A, M57A, SSPA, USRK, USRK, X48A, TKL, BORG, HIA, HIA, ARCES, ARCES, ARCES, MAJO, MAJO, MJAR, MJAR, KRSR, KRSR, KRSR, ULN, ULN, SONM, SONM, SONM, VAF, YJOF, YJOF, YJOF, KEF, NB2, NOA, NOA, NOA, NOA, ZALV, ZALV, ZALV, FINES, FINES, FINES, KLMR, KLMR, HFS, HFS, HHC, HHC, HHC, ARBE, MTESE, ARTI, ARTI, ARTI, ARTI, ARTI, EKA, EKA, SLVR, SLVR, BVAR, BVAR, KURK, KURK, KURK, KURB, KURB, KURBB.

Table with columns: BR/BB, Station Name, Frequency, Power, P, M, S, R, Time, Res. Includes stations like Nanjing, Obninsk, Makanchi Array, Urumqi, Lanzhou, AKTYUINSK, Colim, Bergsiesshubel, etc.

Table with columns: BR/BB, Station Name, Frequency, Power, P, M, S, R, Time, Res. Includes stations like Keskin Array B, Chiang Mai Arr, Paso Flores, Boshof, South Pole Qui, Sanae, etc.

ATH 02 04:53:52.0, 37.61N-20.33E, h99km, 3km, ML2.6/4, Error ellipse: s-maj=3.6km s-min=1.2km az=44.0, lonian Sea

Table with columns: Code, Station Name, Frequency, Power, P, M, S, R, Time, Res. Includes stations like Orthonies, Zaky, Lithakia, Kipseli, Zakin, etc.

SJA 02 04:57:31.0, 20.10S-69.29W, h70km, ML2.9 GUC 02 04:57:29.5-0.7, 19.98S:69.19W, h99km, 4km, ML2.8, 1C, Northern Chile

Table with columns: Code, Station Name, Frequency, Power, P, M, S, R, Time, Res. Includes stations like IPOC Station P, Chusmiza, Chumizma, etc.

Table with columns: BR/BB, Station Name, Frequency, Power, P, M, S, R, Time, Res. Includes stations like Renca, Sierra Bellavi, Pirque, Universidad Ad, Peldehue, etc.

RSNC 02 05:00:09.0, 0.5N-1.74W, h146km, 2km, M2.7, mb3.9, ML2.5, Colombia

Table with columns: Code, Station Name, Frequency, Power, P, M, S, R, Time, Res. Includes stations like San Pablo de B, Chingaza, El Rosal, La Rusia, etc.

IDC 02 05:06:46.8.0.9.54:93N:159:23E, h0km, mb3.6/7, mbmp3.6/7, MS3.2/2, Error ellipse: s-maj=28.1km s-min=14.5km az=118.0

KRSC 02 05:06:49.0.0.0.64:99N:159:40E, h21km, mb3.6/7, MS3.9/3, Error ellipse: s-maj=28.1km s-min=14.5km az=118.0

ISC 02 05:06:47.8.1.2.54:96N:0.003:159:35E, h0.67km, g9km, n49, r103/55, mb3.7/7, Near east coast of Kamchatka

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Lists various stations like TUMR, KIL, KMNR, KPT, KOZ, KIRR, etc.

NSPP 02 05:47:35.8.39:37N:44:42E, h10km, Ms3.1

ISK 02 05:47:36.9.39:46N:44:36E, h5km, ML2.8/11

AFAD 02 05:47:36.3.0.0.39:40N:44:44E, h6km, Ms3km, ML2.7

AZER 02 05:47:36.6.39:36N:44:33E, h11km, ml3.6

TEH 02 05:47:36.5.39:50N:44:52E, h11km, ML2.9

ISC 02 05:47:37.0.1.1.39:40N:0.02:44:50E, h3km, 10km, n53, r086/90, 8C-40, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Lists stations like MAKU, HYR, CLDR, DYDN, TASB, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Lists stations like DORK, ORDB, AKYA, BITLIS, etc.

IDC 02 06:12:32.0.2.0.37:32N:142:89E, h0km, mb3.4/4, mbmp3.4/5, ML1.9/9, Error ellipse: s-maj=47.8km s-min=27.8km az=58.0

JMA 02 06:12:35.7.0.6.37:11N:142:2E, h15km, MV3.4/19, E OFF FUKUSHIMA PREF

ISC 02 06:12:36.5.1.4.37:47N:0.08:142:39E, h0.10, h21km, n18, r153/16, mb3.5/4, Off east coast of Honshu

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Lists stations like JIKH, JFK, JMST, JIO, etc.

IDC 02 06:20:41.0.1.5.38:27N:142:53E, h0km, mb3.4/6, mbmp3.3/8, ML2.8/2, MS2.5/1, Error ellipse: s-maj=30.5km s-min=26.5km az=104.0

NIED 02 06:20:50.0.38:30N:141:85E, h46km, MW3.6, Moment Tensor Solution. s3 Moment tensor: Scale 10^11N; Mn=1.06; Mm=0.49; Mzz=0.57; M1=0.41; M2=0.53; M3=2.10; Fault plane solution: Ms=380000, Np=14

JMA 02 06:20:50.0.1.38:30N:0.3:141:9E, h46km, MV3.7/39, E OFF MIYAGI PREF

ISC 02 06:20:46.9.1.7.38:24N:0.05:142:09E, h3km, 7km, n27, r143/29, mb3.5/6, 13D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Lists stations like JIKH, JIKJ, JIO, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Lists stations like H11N3, H11S1, H11S3, etc.

NEIC 02 06:28:02.3.1.5.51:6N:0.2:174:1E, h0.1, h10km, 2km, mb3.6/41, Error ellipse: s-maj=36.0km s-min=15.4km az=176.0

IDC 02 06:28:04.5.1.5.52:06N:174:73E, h0km, mb3.6/9, mbmp3.6/10, ML2.0/1, Error ellipse: s-maj=34.1km s-min=17.5km az=26.0

ISC 02 06:28:08.8.1.1.52:0N:0.1:174:63E, h0.08, h29km, n67, r161/67, mb3.6/19, Near Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Lists stations like SHEM, UNV, M14K, etc.

NOA NORSAR Array B 66.56 351 P P 06 38 55.8 +0.3
comp=2.0,7nm,0.8s,baz=2.8,slo=13,SNR=1.6
HFS Hagfors 67.19 350 P P 06 38 59.0 -0.5
comp=2.2nm,0.8s,baz=4.6,SNR=1.8
comp=2.2nm,0.8s

NEIC 02 06:49:19.2±1.1,61.44N±0.03;149.86W±0.06,h27km±1km,
Error ellipse: s-maj=4.5km s-min=4.2km az=212.0
AEIC 02 06:49:18.9±1.4,61.43N±0.03;150.01W±0.03,h13km±4km,
ML2.5,ML2.6/134(NEIC),Error ellipse: s-maj=3.7km
s-min=2.2km az=169.0, Southern Alaska

Table with columns: Code, Station Name, Az, Phase ID, Op, Time, Res, ISC. Rows include stations like Willow, Susitna One, Rabbit Creek A, etc.

Table with columns: J18K, ISLE, I21K, L27K, BCAR, CTGM, CTGM, M16K, H23K, H21K, H24K, L16K, J17K, J17K, IMAR, H19K, H19K, N15K, N15K, N15K, J16K, J16K, H18K, H18K, G21K, G21K, G21K, G24K, H17K, K15K, M29M, DAWY, H17K, L23M, G18K, O14K, F21K, I28M, L14K, F20K, P23M, BMAR, F25K, J14K, O30N, E19K, H29M, M31M. Includes station names and coordinates.

IDC 02 06:51:13.7±1.9,24.89S±179.76E,h491km±20km,mb3.3/9,
mbmp4.2/11,Error ellipse: s-maj=22.3km s-min=14.8km
az=79.0
ISC 02 06:51:14.6±0.7,24.93S±179.6E±0.2,h500km±17,
±105/20,mb3.7/11.4, South of Fiji Islands

Table with columns: Code, Station Name, Az, Phase ID, Op, Time, Res, ISC. Rows include stations like Nonsavu, Urewas, URZ, ASAR, ASAR, WRA, WRA, VNSA, VNSA, GQSA, MJAR, MAW, PETK, TROLL, SNA, SNA, VNA3, VNA2, TXAR, HFS, AKASG, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time, Res, ISC. Rows include stations like Yukut, Yukut, PNL, PNL, PNL, PNM, BCNP, SNH, KAIM, KAIM, GRNC, GRNC, P29M, O29M, LOGN, O28M, O28M, TGL, CRQE, CRQE, CRQM, CTG, CTGM, CTGM, RAGM, P30M, PLBC, S31K, YUK6, YUK8, VRDI, VRDI, BMRM, MCARA, MCARA, MCARA, HYT, HYT, YUK4, GLB, GLB, HIN, HIN, HIN, YUK3, SKAG, SKAG, SKAG, SKAG, N25K, N25K, O30N, O30N, O30N, SIT, N30M, R32K, R32K, KLU, KLU, KLU, JIS, M27K, S32K, BVCY, M26K, WHY, WHY, N31M, N31M, P32M, P32M, M29M, SCM, L27K, BCAR, MENT, MENT, L26K, L26K, M30M, M30M.

2d 7h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like M30M Minto, P33M Teslin, Q32M Nakina River, etc.

THE 02 07:27:39.6, 37:21N-20:57E, h0km,2km, ML3.4/10, Error ellipse: s-maj=2.7km s-min=0.6km az=228.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like KR11 KERI, LTHK Lithakia, etc.

2018 DEC

Main table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like AMT VLS Valsamata, KUR16 Kurchatov Arra, etc.

NNC 02 07:28:05.0, 50:03N-78:88E, h0km, mb3.2, mpv2.3, Error ellipse: s-maj=10.8km s-min=2.4km az=70.0

IDC 02 07:28:06.8, 0:9, 50:09N-78:80E, h0km, mbtmp2.6/2, ML1.8/2, Error ellipse: s-maj=9.3km s-min=6.4km az=59.0

ISC 02 07:28:04.1, 1.1, 49:94N-04:78.43E, h0km, n16, e1923/23, 16C-6D, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like KUR07 Kurchatov Arra, KUR06 Kurchatov Arra, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like KUR16 Kurchatov Arra, KUR05 Kurchatov Arra, etc.

IDC 02 07:29:34.2, 1.8, 61S-128:04E, h0km, mb3.4/1, mbtmp2.3/3, ML3.0/2, Error ellipse: s-maj=140.2km

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

NEIC 02 07:36:15.8, 0.6, 61:49N-0:01-149:88W, 0:07, h39km,26km, Error ellipse: s-maj=5.0km s-min=1.1km

AEIC 02 07:36:16.0, 0.9, 61:50N-0:03-149:90W, 0:06, h34km,8km, ML2.7, ML2.7/80(NEIC), Error ellipse: s-maj=4.8km

s-min=4.3km az=187.0, Southern Alaska

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like M22K Willow, M22K Willow, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like SUA Susitna One, SUA Susitna One, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like GLI Glacier Island, M20K Styx River, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like BRK Bradley Lake, BRK Bradley Lake, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like M19K Big River Lodge, ILSW Innoko River, etc.

SJA 02 07:40:20.1, 0.7, 24:28S-67:04W, h216km,5km, ML3.5, MW3.5

GUC 02 07:40:23.2, 0.5, 24:24S-67:38W, h220km,6km, ML3.8

IDC 02 07:40:27.1, 1.0, 23:80S-66:71W, h216km,77km, mb3.1/1, mbtmp3.7/4, MS3.4/1, Error ellipse: s-maj=112.1km

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like OHAK Old Harbor, K15K Wolf Creek Mou, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes entries for San Pedro de A, Cafayete, Milna Guanaco, Ylva, IPOC Station P, etc.

DJA 02 07:47:36.1±1.0, 9°S, 5°11'0E, h10km, 8km, M4.0/18, mb4.3/2, MLv3.9/18
IDC 02 07:47:41.0±3.3, 8°33'S, 109°13'E, h130km, 27km, mb3.0/3, mbmp3.4/4, Error ellipse: s-maj=157.8km s-min=23.5km az=48.0
ISC 02 07:47:37.6±1.2, 8.58S, 010°109.83E, 0.04, h60km, n24, e171/21, mb3.2/3, Jawa

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes entries for UGM, Waganaga, Pacitan, Karang Pucung, etc.

NOU 02 07:49:49.9, 20°18'S, 175°32'W, h70km, mb5.2/18, Tonga Islands
NEIC 02 07:50:44.8, 0.9±1.1S, 0.1±1.77W, 0.1, h478km, 12km, mb4.4/28, Error ellipse: s-maj=21.9km s-min=18.9km az=20.0
IDC 02 07:50:45.7±1.6, 21°22'S, 178°01'W, h479km, 15km, mb3.6/13, mbmp4.1/5, Error ellipse: s-maj=18.7km s-min=12.7km az=78.0
ISC 02 07:50:46.1±0.5, 21°13'S, 0°08'17.91W, 0.08, h495km, n94, e1508/96, mb4.4/31, 5C-1D, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes entries for ASAR, Alice Springs, H0S2, Diego Garcia H, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes entries for MSVF, Nonsavu, Futu, Niue, AFI, Afiamalu, etc.

PSA00 Pilbara Seismi 65.1 257 P P 07 59 48.2 -0.4
PSA00 comp-Z, 1.5nm, 0.9s
MBWA Marble Bar 45.0 258 P P 07 59 49.5 -0.4
MBWA comp-Z, 1.7nm, 0.8s
NWA0 Narraginn (SRO) 58.16 244 P P 07 59 50.0 -0.2
MORW Morawa 59.67 248 P P 07 59 49.7 -0.7
CASY Casey 63.43 205 P P 08 00 26.9 +0.6
CASY comp-Z, 8.7nm, 0.9s

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes entries for GSPA, South Pole Qui, MJAR, Matsuiro Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes entries for KURBB, Kurchatov Arra, BVAR, Borovoye Arra, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes entries for BRTR, Keskin Array B, MMAI, Mount Merar, etc.

IDC 02 07:54:58.0±1.9, 31°28'S, 58°58'E, h0km, mb3.7/3, mbmp3.7/3, Error ellipse: s-maj=56.1km s-min=47.2km az=93.0, Southwest Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes entries for H04N2, CROZET ISLANDS 15.77 198 T, etc.

IDC 02 08:05:42.0±2.0, 7°59'N, 125°67'E, h0km, mb4.0/5, mbmp4.0/5, Error ellipse: s-maj=202.8km s-min=19.6km az=65.0, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes entries for WRA, Warramunga Arr, ASAR, Alice Springs, etc.

IDC 02 08:13:52.1±2.0, 46°33'N, 155°34'E, h0km, mb3.6/7, mbmp3.6/8, ML2.2/1, MS2.3/1, Error ellipse: s-maj=47.7km s-min=29.6km az=171.0
ISC 02 08:13:54.1±1.5, 46°33'N, 02°2'55'E, 0.2, h18km, n10, e185/9, mb3.5/7, East of Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes entries for PETK, Petropavlovsk-7.00 12 Pn, etc.

IDC 02 08:20:51.1±0.9, 37°34'N, 142°47'E, h0km, mb3.7/9, mbmp3.6/8, ML2.2/3, MS2.3/1, Error ellipse: s-maj=20.0km az=73.0
JMA 02 08:20:53.8±0.2, 37°44'N, 0°4'142.5E, 0.9, h28km, 4km, MV3.9/40, E OFF FUKUSHIMA PREF

NIED 02 08:20:53.8, 37°35'N, 142°54'E, h28km, MW3.6, Moment Tensor Solution, s3 Moment tensor: Scale 10^14Nm; Mm-2.96; Mm0.74; Mm2.22; Mm0.61; Mm1.14; Mm0.01; Fault plane solution: M2.960000x10^14 NP1: e2=18.00000, e3=0.00000, e7=78.00000, e3=0.00000, e7=104.00000
ISC 02 08:20:52.4±3.3, 37°39'N, 0°05'142.50E, 0.06, h8km, 20km, n31, e094/36, mb3.6/9, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes entries for JIKH, Ishinomaki Kobu, JIKF, Kawauchi, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like West end E0370, CSTR Hydro, Ok048, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like IDC 02 09:53:39.0, NEIC 02 09:53:49.7, DJA 02 09:53:51.0, etc.

2018 DEC

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like NIED 02 10:09:15.9, NEM2 Nemuro 2, NMR Nemuro-Hokkai, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like KUR Kuril'sk, KUR Kuril'sk, KUR Kuril'sk, etc.

2d 10h

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like HFS Hagfors, PDAR Pinedale Array, AKASA Kaiti Array, etc.

Table of astronomical observations for the 2d 10h region, listing objects like KWHZ, TUVZ, FWVZ, etc., with their coordinates, magnitudes, and observation dates.

Table of astronomical observations for the 2018 DEC region, listing objects like KMBL, KMLB, KMLA, etc., with their coordinates, magnitudes, and observation dates.

Table of astronomical observations for the 144 region, listing objects like M15K, N16K, O18K, etc., with their coordinates, magnitudes, and observation dates.

2018 DEC

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy. Includes stations like VRAC Vranov, VYHS Vyhne, KRUC Moravsky, etc.

NOU 02 10:39:14.1, 14:82S:167:09E, h113km, MLV4.3/7.

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy. Includes stations like VLAKA Lakatoro, DVP Devils Point, LUES Luesalebma Tem, etc.

NEIC 02 10:50:53.8, 1.4, 61.38N:0.03:150:10W:0.04, h34km, 10km, Error ellipse: s-maj=3.9km s-min=2.9km az=186.0.

AEIC 02 10:50:54.3, 1.5, 61.41N:0.03:150:07W:0.05, h42km, 4km, ML2.5, ML2.8/100(NEIC), Error ellipse: s-maj=4.4km s-min=3.6km az=186.0, Southern Alaska

Main table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy. Includes stations like SUA Susitna One, RC01 Rabbit Creek A, RC01 Rabbit Creek B, etc.

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy. Includes stations like ILSW Iliamna Southw, RND Reindeer, DIV Divide, etc.

SJA 02 11:04:14.8, 0.6, 30.65S:71:91W, h12km, 3km, ML4.1, MW4.0.

IDC 02 11:04:14.3, 0.8, 30.72S:71:63W, h0km, mb4.1/8, mbmp4.1/12, ML3.7/4, MS3.7/8, Error ellipse: s-maj=27.6km s-min=18.1km az=105.0.

GUC 02 11:04:17.5, 0.7, 30.67S:71:84W, h34km, 2km, ML4.4.

NEIC 02 11:04:18.0, 1.8, 30.65S:0.05:71:88W:0.05, h24km, 7km, mb4.5/7, Error ellipse: s-maj=7.9km s-min=5.7km az=143.0.

ISC 02 11:04:17.9, 0.8, 30.68S:0.02:71:82W:0.05, h28km, 5km, n113, l1843/134, mb4.3/10, MS3.6/5, 2C-7D, Near coast of central Chile

Main table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy. Includes stations like CO06 Fray Jorge, CO05 La Serena, CO03 El Pedregal, etc.

Main table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy. Includes stations like ZON Zonda, MT05 Renca, MT05 Renca, etc.

Table with columns for station name, frequency, and other technical details. Includes stations like PSZ Piszkesteto, OSTC Ostas, CHVC Chvalec, etc.

Table with columns for station name, frequency, and other technical details. Includes stations like PSZ Piszkesteto, OSTC Ostas, CHVC Chvalec, etc.

Table with columns for station name, frequency, and other technical details. Includes stations like MBWA Marble Bar, PSA00 Pilbara Seismi, ASAR Alice Springs, etc.

IDC 02 11:11:05.3:0.9,8:80S:127.50E,h0km,mb4,1/6, mbmp4.2/11,ML4.3/4, Error ellipse: s-maj=35.8km s-min=18.8km az=56.0

NEIC 02 11:11:07.5:1.9,8:71S:0:08:127.50E:0:08,h10km,1km, mb4,4/9, Error ellipse: s-maj=14.1km s-min=13.0km

DJA 02 11:11:13.5:0.6,9'S:5:12'7E,,h144km,27km,M4,3/10, mb4.27,mb6.83,MLv4,4/10,Mv(m)B4,1/3

ISC 02 11:11:10.6:0.7,8:93S:0:06:127.43E:0:07,h35km,n41, @162/41,mb4.1/10,Timor region

NEIC 02 11:11:47.8:1.7,22.2S:0:1:170.7E:0.1,h10km,1km, mb5.0/24, Error ellipse: s-maj=18.4km s-min=17.0km az=140.0

GCMT 02 11:11:47.8:0.4,2.22:00S:0:04:170.90E:0.04,h23km,1km, MV5.0/70, Moment Tensor Solution, s27,c29; s70,c81; Duration: 0 Moment tensor: Scale 1016Nm; Mr=3.44e+26; Mw=1.25e+17; Mw2=1.9e+19; Mw-0.25e+22; Mw0.75e+08; Mw1-4.5e+24; Best double couple: M3.36500x10^16 Np/1.5e+22,00000; s58.00000; 1.9e.00000; NP2: phi21.00000; s33.00000; A-80.00000; Principal axes: T 2.9390, P1g12.0000, Azm117.0000; N 0.8540, P1g5.0000, Azm25.0000; P -3.7920, P1g76.0000, Azm273.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

IDC 02 11:11:53.2:2.3,22.08S:170.47E,h46km,20km,mb4.3/14, mbmp4.5/17,ML4.4/12, Error ellipse: s-maj=19.6km s-min=15.1km az=71.0

ISC 02 11:11:47.6:0.6,22.07S:0:10:170.62E:0.09,h10km,n96, @93/92,mb6.9/41,5C,Southeast of Loyalty Islands

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

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

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

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

Table with columns: Name, Code, Station Name, Az, El, P, S, Time, Res, ISC. Includes stations like NWAOL Narrogin (SRO), GIRL Galinia, VNSA Vanda, SBA Scott Base, MYLDM Lahad Datu, etc.

THE 02 11:28:17.5, 37.62N, 20.35E, h1km, 2km, ML2.9/9, Error ellipse: s-maj=2.2km s-min=0.7km az=250.0

ATH 02 11:28:18.6, 37.66N, 20.39E, h17km, 1km, ML3.1/3, Error ellipse: s-maj=2.8km s-min=1.1km az=59.0

TIR 02 11:28:19.1, 37.60N, 20.41E, h18km, 4km, Md3.7, M13.5

ISC 02 11:28:16.9, 1.3765N, 0.0420, 20.42E, 0.05, h1km, 1km, n38, o970.61, Ionian Sea

Table with columns: Code, Station Name, Az, El, P, S, Time, Res, ISC. Includes stations like ORTH Orthones/Zaky, KRII KERI, LTHK Lithakia, etc.

Table with columns: Name, Code, Station Name, Az, El, P, S, Time, Res, ISC. Includes stations like AMT Drossia, DRO Drossia, NYDR Nydri-Lefkada, etc.

SCB 02 11:31:47.1±1.3, 21.57S, 66.84W, h213km, 10km, ML3.5/4, MW3.2, Error ellipse: s-maj=9.4km s-min=3.7km az=0.0

SJA 02 11:31:47.0, 21.67S, 67.03W, h226km, ML3.0

ISC 02 11:31:48.3±1.4, 21.53S, 67.09W, h266.87W, 0.05, h207km, n18, o882.22, Southern Bolivia

Table with columns: Code, Station Name, Az, El, P, S, Time, Res, ISC. Includes stations like MOCB Mochara, YJA Iyau, PB09 IPOC Station P, etc.

ISC 02 11:35:23.0±1.6, 4.92S, 152.12E, h68km, 4km, mb3.9/1.5, mbmp4.2/15, MS3.4/2, Error ellipse: s-maj=20.9km s-min=13.8km az=108.0

NEIC 02 11:35:23.5±2.5, 4.93S, 0.09, 152.1E, 0.1, h67km, 9km, mb4.7/19, Error ellipse: s-maj=19.6km s-min=12.5km az=103.0

ISC 02 11:35:23.0±0.5, 4.87S, 0.07, 152.07E, 0.07, h70km, n62, o15117.23, mb4.6/33, New Britain region

Table with columns: Code, Station Name, Az, El, P, S, Time, Res, ISC. Includes stations like RABL Rabaul, BULU Kimbe, MANU Manus Island, etc.

Table with columns: Name, Code, Station Name, Az, El, P, S, Time, Res, ISC. Includes stations like ASAR Alice Springs, ASAR comp=2.16nm, 0.8s, baz=55, slow=8.7, SNR=85, etc.

SOME 02 11:50:37.3, 40.78N, 78.32E, h15km

ISC 02 11:50:38.4, 1.3, 40.69N, 78.66E, h0km, mb3.4/4, mbmp4.9/4.9, ML2.9/5, Error ellipse: s-maj=19.4km s-min=16.8km az=103.0

KRNET 02 11:50:38.6, 0.1, 40.76N, 78.13E, h20km, mb3.6

NINC 02 11:50:40.3±1.4, 40.87N, 78.22E, h0km, mb4.5, mvp4.3, Error ellipse: s-maj=9.4km s-min=7.2km az=171.0

ISC 02 11:50:39.8±0.8, 40.81N, 0.04, 78.21E, 0.03, h10km, n89, o149/136, mb3.6/5, 31C-37D, Southern Xinjiang

Table with columns: Code, Station Name, Az, El, P, S, Time, Res, ISC. Includes stations like KDJ Kajisay, PRZ Przheval'sk, NRR Naryn, etc.

2d 12h

Table of astronomical observations for 2d 12h, listing stations like KOTS, KNDC, AAA, MTBS, PDGK, etc., with columns for station name, coordinates, and observation data.

2018 DEC

Table of astronomical observations for 2018 DEC, listing stations like MRKS, KAPS, MNAS, etc., with columns for station name, coordinates, and observation data.

150

Table of astronomical observations for 150, listing stations like KURS, PDGK, KST, etc., with columns for station name, coordinates, and observation data.

NNC 02 12:12:28.5±3.3, 54°24'N-86°21'E, h0km, mb3.5, mpv2.6, 2C-4D, Error ellipse: s-maj=90.2km s-min=17.3km az=163.0, Suspected Mining explosion., Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h m s, ISC. Includes stations like ZAAO, ZAA0, KURK, KURK, KURB, KURBB.

TEH 02 12:24:12.7, 34°89'N-45°79'E, h9km, 57km, ML2.9, 12:24:12.9±0.5, 34°28'N-45°75'E, h14km, 53km, ML3.0, 12:24:13.5±1.0, 34°31'N-45°78'E, h10km, n14, 0°59'18, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h m s, ISC. Includes stations like KGS1, IDHR, GLG1, IGHG, ILIN, KCHF, IKRK, IKRK, IKRK, IBDR, IBDR, BHD, BHD, BHD, IKFM, IDOB, RAFI, RAFI.

NEIC 02 12:45:30.2±0.6, 19°31'N-0°01'155°233W±0°006, h12km, 1km, Error ellipse: s-maj=2.2km s-min=0.5km az=163.0

HVO 02 12:45:30.4±1.0, 19°32'N-0°01'155°221W±0°008, h7km, 1km, ML2.6/32, ML2.4/44(NEIC), Error ellipse: s-maj=1.7km s-min=1.0km az=165.0, Hawaiian Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h m s, ISC. Includes stations like PUAH, PUAH, PUAH, KNHH, HLP, HLP, HLP, HLP, KKO, SDHH, SDHH, BYL, BYL, BYL.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like HATHI Halema'uma'u T, STCH Steam Cracks, OBL Observatory Le, etc.

IDC 02 13:02:09.5-8.35:67N-69:87E, h103km, 53km, mb3.6/6, mbmp4.0/11, MS2.9/1, Error ellipse: s-maj=38.7km s-min=24.0km az=178.0

NNC 02 13:02:14.2-4.6, 36:11N-69:55E, h97km, 94km, mb3.7, mpv4.2, Error ellipse: s-maj=33.8km s-min=30.1km az=51.0

ISC 02 13:02:12.0-1.1, 35:92N-0:09:69.72E:0.10, h42km, n2.0, r1563/27, mb4.0/4, 6C-4D, Hindu Kush region

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

NEIC 02 13:04:52.3-1.2, 23:45S:0:179:9W:0:2, h548km, 10km, mb4.3/22, Error ellipse: s-maj=21.3km s-min=19.0km az=123.0

IDC 02 13:04:53.9-1.7, 23:39S:179:98E, h560km, 19km, mb3.4/6, mbmp4.3/7, Error ellipse: s-maj=20.0km s-min=17.9km az=11.0

ISC 02 13:04:52.4-0.6, 23:38S:0:10:179:9W:0:1, h550km, n44, r0584/45, mb4.3/16, 1D, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MSVF Nonsavu, FUTU Fugatoga, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DSZ Denniston North, CTAO Charters Tower, TOO Toolangi, etc.

IDC 02 13:21:51.6-1.7, 19:24S:174:72W, h0km, mb3.7/4, mbmp3.0/4, ML3.0/3, Error ellipse: s-maj=46.0km s-min=41.0km az=166.0, Tonga Islands

ASAR Alice Springs 47.82 255 P P 13 30 30.2 -1.2

WRA Warramunga Arr 47.85 260 P P 13 30 32.4 +0.8

ILAR Eielson Array 86.44 12 P P 13 34 35.4 -0.2

IDC 02 13:30:02.8-1.0, 7:61S: 114:21E, h0km, mb3.9/8, mbmp3.9/9, ML4.1/1, MS2.9/2, Error ellipse: s-maj=36.6km s-min=16.3km az=48.0

DJA 02 13:30:05.5-0.5, 7:53S: 114:4E, h13km, 3km, M4.3/18, ML4.3/18

NEIC 02 13:30:06.2-1.4, 7:40S:0:06:114:34E:0:07, h25km, 7km, PCW 1/4, Error ellipse: s-maj=9.5km s-min=8.4km az=73.0

ISC 02 13:30:07.4-1.1, 7:49S:0:05:114:47E:0:04, h32km, 8km, n42, r1530/48, mb4.1/11, Bali Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ABJI Asem Bagus, KMMI Kailianget, etc.

WBO Warramunga Arr 22.86 124 P P 13 35 08.0 -0.4

WRA Warramunga Arr 22.90 125 P P 13 35 08.8 +0.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRAB Tennant Creek, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WB2 Warramunga Arr, AS31 Alice Springs, etc.

IDC 02 13:38:29.1-1.5, 61:37N:150:54W, h66km, 29km, mb3.1/1, mbmp3.0/4, ML3.0/3, Error ellipse: s-maj=44.0km s-min=10.6km az=111.0

NEIC 02 13:38:29.3-1.1, 61:43N:0:03:150:04W:0:02, h47km, 10km, Error ellipse: s-maj=4.8km s-min=0.9km az=161.0

AEIC 02 13:38:30.3-1.4, 61:42N:0:03:150:06W:0:03, h30km, 7km, ML3.0, ML3.2/172(NEIC), Error ellipse: s-maj=4.5km s-min=2.3km az=174.0

ISC 02 13:38:28.9-1.0, 61:40N:0:03:150:07W:0:02, h42km, n158, r1517/137, Southern Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SUA Susitna One, etc.

IDC 02 13:42:01.1-1.7, 19:24S:174:72W, h0km, mb3.7/4, mbmp3.0/4, ML3.0/3, Error ellipse: s-maj=46.0km s-min=41.0km az=166.0, Tonga Islands

CAPN Captain Cook N 0.82 221 P P 13 38 45.1 +2.2

STLK Skiant Lake 0.85 278 IAMB P 13 38 57.1 +1.2

SKT Skwentna 0.91 311 IAMB P 13 38 58.5 -0.1

SML Sawmill 0.93 63 IAMB P 13 38 55.2 -0.4

O22K Cooper Landing 0.93 170 P P 13 38 46.3 +0.7

SPU Mount Spurr 0.98 258 IAMB P 13 39 47.1 +0.5

SPU Mount Spurr 0.98 258 IAMB P 13 39 06.7

PWL Port Wells 1.00 122 P P 13 38 47.1 +0.7

CUT Chulitna 1.02 355 P P 13 38 46.6 -0.0

M23K Glacier View 1.19 69 P P 13 38 49.5 +0.4

SEW Seward 1.33 167 P P 13 38 53.5 +2.6

SCM Sheep Creek Mo 1.38 70 P P 13 38 52.3 +0.6

GLI Glacier Island 1.53 108 P P 13 38 54.0 +0.3

M20K Styx River 1.54 290 IAMB P 13 39 55.1 +1.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WAT7 Susitna Watana, etc.

Table listing station identifiers (e.g., FID, HOM, P23K), names (e.g., comp=N,278nm,0.5s), and coordinates. Includes various alphanumeric codes and numerical values.

Table listing station identifiers (e.g., M26K, M17K, L26K), names (e.g., Nabesna, AK, Holitna River), and coordinates. Includes various alphanumeric codes and numerical values.

Table listing station identifiers (e.g., WSAR, KKAR, AAK, MAKZ), names (e.g., Wadi Sarin, Karatay Array, Ala-Archa), and coordinates. Includes various alphanumeric codes and numerical values.

IDD 02 13:41:28.9; 1.0, 30:13N; 70:03E, h0km, mb3.6/13, mbtmp3.7/16, ML3.5/3, MS3.2/3, Error ellipse: s-maj=21.3km s-min=20.9km az=149.0 NEIC 02 13:41:30.8; 1.1, 30:1N; 0:1x:70:4E; 0.2, h21km, 4km, mb4.1/7, Error ellipse: s-maj=20.0km s-min=14.2km az=67.0 NDI 02 13:41:31.4; 2.9, 30:19N; 70:13E, h10km, 53km, ML3.6, MW3.5, mb4.1 (NEIC) ISC 02 13:41:31.0; 0.7, 30:24N; 0:07x:70:15E; 0:06, h12km, n43, b169/43, mb3.7/17, Pakistan

WEL 02 13:41:39.2; 0.9, 32:5'18"; 180°E; 3'9, h469km, 30km, M4.4/8, mB4.5/5, MLV4.8/8, Mw(B)3.6/5, Error ellipse: s-maj=53.9km s-min=13.1km az=111.4, confirmed, Kermaec Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like WMGZ, HAZ, PKGZ, PUZ, etc.

NEIC 02 13:49:44.0; 1.5, 15:8S; 0:1x:177:5W; 0.1, h422km, 9km, mb4.2/2, Error ellipse: s-maj=21.5km s-min=16.0km az=129.0

ISC 02 13:49:46.0; 2.2, 15:54S; 177:81W, h439km, 24km, mb3.1/8, mbtmp3.9/9, Error ellipse: s-maj=42.2km s-min=17.3km az=148.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Code, Station Name, Az, Phase ID, Time, Res.

2d 14h

Table with 4 columns: BHD, Baghadad, 1.63 226 ePn, Pb, 13 54 39.0 +0.2, 13 55 00.4 -1.1, 13 54 44.1 -0.1

2018 DEC

Main table of station data for the left column, including NEIC 02 14:01:23.3, 1.8, 56:29N, 0:08, 149:3W, 0.1, h10km, 2km, ML3.5/40, ML3.4(AEIC), Error ellipse: s-maj=15.5km

Main table of station data for the middle column, including ISC 02 14:03:18.1, 1.1, 80:75N, 0:09, 2:35W, 0:05, h10km, n21, 0:25/34, 1D, North of Svalbard

ISC 02 14:18:00.5, 1.5, 61:47N, 150:22W, h42km, 14km, mb3.6/14, mbtmp3.7/19, ML3.2/5, MS2.8/3, Error ellipse: s-maj=14.9km, s-min=9.3km, az=105.0

NEIC 02 14:18:02.4, 0.9, 61:41N, 0:03, 149:92W, 0:05, h49km, 6km, Error ellipse: s-maj=4.1km, s-min=3.7km, az=152.0

AEIC 02 14:18:03.9, 1.1, 61:42N, 0:03, 149:91W, 0:05, h38km, 7km, ML3.7, ML3.8/192(NEIC), Error ellipse: s-maj=3.8km, s-min=3.5km, az=177.0

ISC 02 14:18:02.0, 0.7, 61:43N, 0:03, 149:93W, 0:03, h53km, 5km, n191, 0:09/98/166, mb3.9/14, Southern Alaska

Main table of station data for the middle column, including M22K Willow, 0.34 345, Pn, 14 18 11.3 -0.4

Main table of station data for the right column, including SEW Seward, 1.35 170 P, Pn, 14 18 25.5 +1.1

BER 02 14:03:20.7, 3.7, 80:79N, 2:54W, h10km, mb(Pn)3.4, ML2.0(DNK), Confirmed Earthquake

DKN 02 14:03:23.5, 2.8, 80:75N, 1:89W, h36km, 25km, ML2.0

KOLA 02 14:03:25.1, 81:10N, 1:20E, h0km, ML1.7, Greenland sea, Knipovich ridge, north

FCIAR 02 14:03:26.0, 80:74N, 0:18E, h10km, station OMEGA has station magnitude of 4.10 station ZF12 has station magnitude of 4.10

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details for various stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details for various stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details for various stations.

Table with columns: PRSN, Station Name, Az, El, Phase ID, Time, Res, Code. Includes stations like Puerto Rico Se, Puerto Rico, Magu Reyes Islan, etc.

SDD 02 14:38:33.0:2.5, 18.24N-65.86W, h207km, b33km, MD3.9, ML3.2, MW3.8, 3C, Puerto Rico region

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, Code. Includes stations like Cerrillos, Aguadilla, Cabo Rojo, etc.

NEIC 02 14:45:07.8:1.6, 41.13N:0.04:143.3E:0.1, h10km, 2km, mb4.3/10, Error ellipse: s-maj=18.9km s-min=4.6km az=108.0

NIED 02 14:45:09.9 41.09N:143.26E, h50km, MW4.1, Moment Tensor Solution, s3 Moment tensor, Scale: 015NM, Mn:0.64, Mw:0.54, Ms:0.09, Mo:0.20, Mw:1.03, Mw:0.91, Fault plane solution: Mo1.50000x1015 NP1:18.10.00000, s74.00000, s50.00000, NP2:269.00000, s642.00000, s155.00000

JMA 02 14:45:09.9:0.1, 41.13N:0.5:143.3E:0.7, h50km, MV3.7/37, E OFF AOMORI PREF, IDC 02 14:45:12.4:2.0, 41.13N:143.25E, h49km, b17km, mb3.7/14, mbtmp3.9/19, ML3.0/5, MS3.2/14, Error ellipse: s-maj=22.1km s-min=13.2km az=99.0

ISC 02 14:45:10.6:0.7, 41.110N:0.05:143.33E:0.07, h39km, 2km, m69, r110/67, mb4.2/24, MS3.2/8, 1C, Hokkaido region

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, Code. Includes stations like Erimo, Tokachihiro, Urakawa-nobuka, etc.

JMM 08:08, s-baz=205, slow=19, SNR=2.5 4.9m, 0.3s

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, Code. Includes stations like Murozumi, Sado, Yuzhno-Sakhali, etc.

USRK Ussuriysk Ar. 8.91 294 R. 0.3nm, 0.3s, bazi=121, slow=13, SNR=7.7

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, Code. Includes stations like KLR, BNX, KRSR, etc.

USRK comp=Z, 210nm, 18.1s, bazi=149, slow=39 5.4m, 0.8s

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, Code. Includes stations like KLR, BNX, KRSR, etc.

SONM Songoing Array 27.01 297 P. comp=Z, 1.8nm, 0.7s, bazi=94, slow=7.7, SNR=8.2

Main table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, Code. Includes stations like H112N, H111N, H111S, etc.

IDC 02 15:01:28.0:6.2, 7.86S:129.56E, h179km, 65km, mb3.1/1, mbtmp3.7/4, Error ellipse: s-maj=64.3km s-min=22.5km

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, Code. Includes stations like BATI, WRA, WRA, etc.

IDC 02 15:04:57.4:0.4, 54.80S:18.61E, h0km, mb5.0/18, mbtmp5.0/19, ML4.8/1, MS4.7/45, Error ellipse: s-maj=14.3km s-min=10.5km az=84.0

MOS 02 15:04:58.2:1.1, 54.74S:18.34E, h10km, mb5.3/18, Error ellipse: s-maj=21.4km s-min=9.9km az=85.3

NEIC 02 15:04:59.5:1.6, 54.76S:18.50E, h22km, mb5.4/75, Mw=5.1, Ms=4.76, Error ellipse: s-maj=18.9km s-min=4.5km az=83.0

NEIC 02 15:04:59.5:1.6, 54.76S:18.67E, h22km, Moment Tensor Solution, Duration: 2x5 Moment tensor, Scale: 1017Nm; Mn:0.37, Mw:1.70, Ms:1.94, Mo:0.77, Mw:0.54, Mw:0.29; Fault plane solution: Ms1.76000x1017, NP1: q=214.96000, s84.06000, s120.09000, NP2: q=307.13000, s70.03000, s173.68000, Principal axes: T 1.4563, P1g10.0000, Azm263.0000; N 0.6059, P1g69.0000, Azm19.0000; P -2.0622, P1g18.0000, Azm169.0000

GCMT 02 15:05:02.5:0.1, 54.82S:0.01:18.89E:0.01, h12km, MV5.4/143, Moment Tensor Solution, s121.c205; s143.c258; Duration: 1s2 Moment tensor, Scale 1017 Nm; Mn:0.18:0.2; Mw:1.50:0.2; Ms:1.32:0.1; Mw:0.15:0.1; Mw:0.51:0.1; NP1:18.125.0000, s89.00000, s174.00000, NP2:236.35.00000, s84.00000, s11.00000, Principal axes: T 1.4120, P1g3.0000, Azm260.0000; N 0.1840, P1g84.0000, Azm135.0000; P -1.5990, P1g5.0000, Azm350.0000; nst2 refers to body waves, cutoff=40s, nst4 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 02 15:04:59.5:0.3, 54.82S:0.05:18.50E:0.07, h10km, n239, r1942/180, mb5.3/64, MS4.8/49, 10C-3D, Southwest of Africa

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, Code. Includes stations like NVL, ELIB, TROLL, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, Code. Includes stations like SNA, VNA, VNA, etc.

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, SNR, and other parameters. Includes stations like IPMB Ipameri, AMBA Ambambi, JANB Januaría, etc.

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, SNR, and other parameters. Includes stations like KARP Karpathos, BATI Bautama, KEST Kesra, etc.

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, SNR, and other parameters. Includes stations like HHC, ARCES ARCESS Array B, SONM Songino Array, etc.

MDD 02 15:10:55.4, 0.4, 36.00N, 2.65W, h12km, 6km, mb, Lg2.4/10, Error ellipse: s-maj=5.0km s-min=2.6km az=83.0 CNRM 02 15:10:55.8, 35.97N, 2.69W, h19km, ML2.0 SFS 02 15:10:56.0, 35.99N, 2.65W, h17km, ML2.0, ML2.7, ML2.7, ML2.5/7

Table with columns: Code, Station Name, Frequency, Power, Direction, Azimuth, Elevation, SNR, and other parameters. Includes stations like EALB Alboran, WMLI Melilla, GOG Mont Gurugu, etc.

ICC 02 15:11:34.5, 3.6, 3.47N, 95.84E, h0km, mb3.4/2, mbmp3.4/3, ML3.8/1, MS3.3/1, Error ellipse: s-maj=132.1km s-min=34.4km az=60.0 DJA 02 15:11:45.2, 1.0, 3.56N, 0.05, 96.71E, h0km, n20, 0.054/13, Northern Sumatra

Table with columns: Code, Station Name, Frequency, Power, Direction, Azimuth, Elevation, SNR, and other parameters. Includes stations like MLSI Meulaboh, KCSI Kotacane, SNSI Sinabang, etc.

2d 16h

Table of astronomical data for 2d 16h, including columns for ID, Name, RA, Dec, Mag, and other parameters.

ICD 02 15:53:25.1±1.1, 29°47'S; 178°83'W, h315km, 12km, mb3.0/2, mbmp4.0/5, Error ellipse: s-maj=32.2km s-min=21.9km az=116.0

Table of astronomical data for ICD 02 15:53:25.1±1.1, 29°46'S; 0°09'179.0W-0.2, h315km, n8, r1509/10, Kermadec Islands

NEIC 02 15:58:05.8±0.4, 61°41'N; 0°03'149.98W, 0.07, h34km, 1km, Error ellipse: s-maj=4.8km s-min=4.5km az=200.0

AEIC 02 15:58:05.9±0.4, 61°40'N; 0°03'150.00W, 0.07, h32km, 8km, ML2.5, ML2.7/36(NEIC), Error ellipse: s-maj=4.6km s-min=4.5km az=46.0, Southern Alaska

Table of astronomical data for NEIC 02 15:58:05.8±0.4, 61°41'N; 0°03'149.98W, 0.07, h34km, 1km

DJA 02 16:06:11.4±1.1, 8°11'S; 10°12'66"E, h193km, 9km, M4.2/6, mb4.4/1, mbB4.6/1, MLV4.0/6, Mw(mb)4.0/1

Table of astronomical data for DJA 02 16:06:11.4±1.1, 8°11'S; 10°12'66"E, h193km, 9km

ICD 02 16:35:22.4±0.7, 58°77'S; 25°45'W, h0km, mb4.3/5, mbmp4.4/7, M1.7/2, MS3.5/11, Error ellipse: s-maj=30.1km s-min=21.0km az=98.0

NEIC 02 16:35:28.8±0.9, 58°58'S; 0°1'25.7W, 0.3, h35km, 1km, mb4.7/23, Error ellipse: s-maj=28.3km s-min=12.5km az=53.0

Table of astronomical data for ICD 02 16:35:27.7±0.5, 58°86'S; 0°09'25.5W, 0.1, h35km, n71, r0573/61, mb4.5/16, MS3.5/10, 10C, South Sandwich Islands region

2018 DEC

Main table of astronomical data for 2018 DEC, including columns for ID, Name, RA, Dec, Mag, and other parameters.

SKHL 02 16:40:04.8±0.3, 45°34'N; 143°32'E, h298km, 27km, mb4.4/8, msh5.0/8, Hokkaido region

JMA 02 16:40:25.1±0.1, 43°5'N; 0°16'144.1'E, 0.7, h3km, 2km, MV-0.1/9, TESHIGAKA REGION, Hokkaido region

JAR Ashorobuto 0°30'23.4 E P P 16 40 30.9 +0.2

ICD 02 16:52:50.1±1.2, 15°19'N; 93°62'W, h82km, 11km, mb4.2/13, mbmp4.6/14, MS3.4/14, Error ellipse: s-maj=25.0km s-min=9.6km az=53.0

NEIC 02 16:52:50.1±1.2, 15°19'N; 93°62'W, h82km, 11km, mb4.2/13, mbmp4.6/14, MS3.4/14, Error ellipse: s-maj=25.0km s-min=9.6km az=53.0

MEX 02 16:52:01.0±0.9, 15°95'N; 93°80'W, h101km, 9km, MD4.8 CGC 02 16:52:01.0±0.9, 15°95'N; 93°80'W, h106km, MD4.6

CATAC 02 16:52:56.2±0.9, 15°95'N; 93°66'W, h99km, 13km, ML4.7 SNET 02 16:52:56.2±0.9, 15°95'N; 93°66'W, h113km, ML4.4

Table of astronomical data for CATAC 02 16:52:56.2±0.9, 15°95'N; 93°66'W, h99km, 13km

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Table of astronomical data for 158, including columns for ID, Name, RA, Dec, Mag, and other parameters.

2d 18h

Table with columns: ID, Name, Comp, Az, El, Slo, SNR, P, A, M, B, Time, Res. Includes entries like J26L Joseph Creek, A36M Sachs Harbour, RIDG Independent Ri, etc.

2018 DEC

Table with columns: ID, Name, Comp, Az, El, Slo, SNR, P, A, M, B, Time, Res. Includes entries like H22K Ishotlinita Cre, L19K White Mountain, N18K Kilauea, etc.

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Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes entries like MKAR Makanchi Array, WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: Station Name, Code, Station Name, Δ° AZ', Phase ID, Time Res, h m s ISC. Includes stations like WHF, YMO1, YMO8, Ruisui, etc.

Table with columns: Station Name, Code, Station Name, Δ° AZ', Phase ID, Time Res, h m s ISC. Includes stations like TWKBT Hengchun, TWKBT, TWK1 Hengchun, etc.

NEIC 02 18:24:26.9±1.1, 61.29°N, 0.04°E, 149.96W±0.07, h39km, 27km, Error ellipse: s-maj=5.3km s-min=4.8km az=212.0

AEIC 02 18:24:27.3±1.3, 61.30°N, 0.03°E, 150.01W±0.07, h34km, 8km, ML2.4, ML2.7/80(NEIC), Error ellipse: s-maj=4.9km s-min=4.6km az=176.0, Southern Alaska

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, h m s ISC. Includes stations like RC01 Rabbit Creek A, RCUA, RCO1, etc.

NIED 02 19:01:21.2±0.38, 17N, 141.67E, h50km, MW3.4, Moment Tensor Solution, s3, Moment tensor: Scale 10^14Nm; Mn=1.53, Mw=0.33, Mx=1.21, Mo=0.01; Ms=0.42, Mu=0.74; Fault plane solution: Mo=1.63000x10^14 NP1=13.00000°, 58.00000°, 82.00000°. NP2=209.00000°, 83.00000°, 103.00000°.

JMA 02 19:01:21.2±0.1, 38.2°N, 0.4°E, 141.7°E, 0.6°E, h50km, MW3.5/4.0, E OFF MIYAGI PREF. JMA Felt J1 at E OFF MIYAGI PREF. IDC 02 19:01:22.5±1.5, 38.29°N, 141.89°E, h73km, 10km, mb3.2/5, mbtmp3.4/6, Error ellipse: s-maj=26.2km s-min=16.2km az=121.0

ISC 02 19:01:21.7±1.2, 38.21°N, 0.06°E, 141.73°E, 0.1°E, h53km, 7km, n25, c192/30, mb3.5/5, 17D, Near east coast of eastern Honshu

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

Table with columns: Station Name, Code, Station Name, Δ° AZ', Phase ID, Time Res, h m s ISC. Includes stations like JYK Kaneyama, JOM Oshamata, JYS Shirataka, etc.

IDC 02 19:06:43.0±0.6, 51.37°N, 178.13°W, h0km, mb4.2/2.7, mbtmp4.2/3.0, ML3.8/3, MS3.6/5.0, Error ellipse: s-maj=18.8km s-min=11.5km az=167.0; AEIC 02 19:06:43.2±0.5, 51.17°N, 178.01°W, 0.1°, h25km, 5km, Error ellipse: s-maj=13.2km s-min=9.0km az=167.0; MOS 02 19:06:48.9±0.9, 51.33°N, 178.01°W, h54km, mb4.6/2.1, Error ellipse: s-maj=11.1km s-min=7.5km az=99.7; NEIC 02 19:06:50.1±1.3, 51.33°N, 178.08°W, 0.08°, h48km, 6km, mb4.3/1.68, ML4.3(AEIC), Error ellipse: s-maj=11.6km s-min=7.0km az=187.0; ISC 02 19:06:50.4±0.7, 51.32°N, 178.08°W, 0.03°, h50km, 4km, n359, t1909/280, mb4.4/1.28, MS3.6/5.3, 35C-2D, Andreanof Islands

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, h m s ISC. Includes stations like TASE Tanaga Southea, TAPA Tanaga Point A, TAFP Tanaga Falls P, etc.

2d 19h

Table with columns: ID, Name, Time, Location, Status, etc. Includes entries like MA2 Magadan, SEY Seymchan, G21K Allakaket, etc.

2018 DEC

Table with columns: ID, Name, Time, Location, Status, etc. Includes entries like VLA Vladivostok, H11S1 WAKE ISLAND Hy, H11S2 WAKE ISLAND Hy, etc.

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Table with columns: ID, Name, Time, Location, Status, etc. Includes entries like LZH Gaotai, GTA Gaotai, WMOK Wichita Mountain, etc.

Table of station data with columns: Station Name, Code, Time, Res, ISC, h, m, s, ISC, and various numerical values.

Table of station data with columns: Station Name, Code, Time, Res, ISC, h, m, s, ISC, and various numerical values.

Table of station data with columns: Station Name, Code, Time, Res, ISC, h, m, s, ISC, and various numerical values.

2018 DEC

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like DIV, L20K, ILS, ILSW, KTH, CAST, K17K, CTG, CTGM, M16K, H21K, O16K, L16K, PRP, GCSA, H20K, J17K, J17K, O28M, IMAR, I26K, H19K, N15K, N15K, N15K, J16K, G23K, H18K, G21K, G21K, G24K, G24K, I17K, I17K, K15K, G25K, G19K, H17K, H17K, COLD, COLD, I28M, I28M, F24K, P29M, F19K, BMAR, F25K, J14K, F26K, E22K, E22K, J30M, TOLK, TOLK, E18K, E17K, E17K, E27K, F15K, INK, INK, KSR5, SONM, ZALV, BVAR, KURBB, MKAR, AKASO, ESDC, BRTR, CMAR, POKR, PAU, KDRTR, KDRTR.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like POKR, O17K, KDAD, KDAD, KDAD, GRNC, GRNC, K17K, K17K, CTG, CTGM, M16K, M16K, H21K, H21K, O16K, H24K, L16K, L16K, PRP, PRP, GCSA, H20K, J17K, J17K, O28M, IMAR, I26K, H19K, H19K, N15K, N15K, N15K, J16K, G23K, H18K, G21K, G21K, G24K, G24K, I17K, I17K, K15K, G25K, G19K, H17K, H17K, COLD, COLD, I28M, I28M, F24K, P29M, F19K, BMAR, F25K, J14K, F26K, E22K, E22K, J30M, TOLK, TOLK, E18K, E17K, E17K, E27K, F15K, INK, INK, KSR5, SONM, ZALV, BVAR, KURBB, MKAR, AKASO, ESDC, BRTR, CMAR, POKR, PAU, KDRTR, KDRTR.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like ASAK, MTRV, MTRV, RUS, RUS, GRL, GRL, KOK, KOK, KRX, KRX, WRA, WRA, ASAR, ASAR, SONM, SONM, MKAR, MKAR, NOU, NOU, MARC, MARC, YATNC, YATNC, OUENC, OUENC, DZM, DZM, ONTNC, ONTNC, NOUC, NOUC, NOU, NOU, DVP, DVP, AFI, AFI, AFI, NIUE, NIUE, NIUE, FUTU, FUTU, MSVF, MSVF, RAR, RAR, RAR, DZM, DZM, DZM, PPT2, PPT2, PPT2, PPT, PPT, URZ, URZ, TBI, TBI, TBI, LTZ, LTZ, LTZ, WHZ, WHZ, ARMA, ARMA, ARMA, CTA, CTA, PMG, PMG, PMG, H11S2, H11S2, H11S3, H11S3, H11S1, H11S1, H11N3, H11N3, H11N1, H11N1, TOO, TOO, COEN, COEN, STKA, STKA, STKA, BBOO, BBOO, WBO, WBO, WBO, WB2, WB2, WB2, WRA, WRA, WRA.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like WRA, Alice Springs, GUMO, VYHS, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like VYHS, KRUC, PSZ, WLF, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like GAZI, GAZI, GAZI, etc.

IDC 02 20:37:29.5:3.7, 5.79S:133.64E, h0km, mb3.6/3, mbmp3.6/5, ML3.6/2, Error ellipse: s-maj=23.3km s-min=28.7km az=79.0

DJA 02 20:37:35.6:1.1, 5.5S:6.133E, h10km, M4.2/5, mb4.5/1, ML4.0/5

ISC 02 20:37:34.0:0.8, 5.57S:0.06:133.71E:0.09, h35km, n18, s177/22, mb3.7/4, Aru Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Kaimana, Papua, Fak Fak, BNDI, Sorong, Kakadu, Darwin Rock St, etc.

UPA 02 20:38:18.6:0.4, 8.31N:82.91W, h37km, 3km, ML3.8, IC-10, Panama-Costa Rica border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Petroterminale, David, Monte Lirio, C, Pedregal, Chir, etc.

IDC 02 20:41:49.1:0.9, 31.79S:178.60W, h0km, mb4.5/4, mbmp4.5/5, ML4.1/1, MS3.1/4, Error ellipse: s-maj=32.6km s-min=25.2km az=74.0

NEIC 02 20:41:50.7:1.9, 32.11S:0.09:178.58W:0.2, h10km, 2km, mb4.7/14, Error ellipse: s-maj=29.6km s-min=4.5km az=120.0

WEL 02 20:41:54.7:0.5, 32.5S:17.9W:1.4, h33km, M4.6/11, mB5.0/7, ML5.0/23, ML4.8/11, Mw(mB)4.3/7, Error ellipse: s-maj=19.1km s-min=3.0km az=109.5, confirmed

ISC 02 20:41:53.3:0.7, 32.30S:0.06:178.3W:0.1, h35km, n73, s194/79, mb4.6/12, South of Kermadec Islands

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations including Green Lake, Raoul Island, Waioamatatini S, Pakihiroa, Te Kaha, Puketiti, Tauwhareparae, Carnagh Statio, Matawai, Urewera, Shannon Statio, etc.

Table with columns: PPT2, Papeete2, Charta Tower, CTAO, BBOO, etc. Lists stations and their coordinates and times.

NEIC 02 21:01:05.2:1.7, 18.2S:0.1:177.9W:0.1, h591km, 7km, mb4.4/51, Error ellipse: s-maj=18.5km s-min=15.9km az=113.0

NOU 02 21:01:05.1, 18.24S:177.89W, h59km, km4.7/14, Fiji Islands Region

IDC 02 21:01:07.7:0.9, 18.16S:178.26W, h611km, km3.5/18, mbmp4.4/19, Error ellipse: s-maj=13.0km s-min=10.2km az=134.0

ISC 02 21:01:05.0:1.8, 22.2S:0.08:178.02W:0.07, h590km, n189, s190/189, mb4.5/3, 43C-7D, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Nonsavu, Urewera, Futu, Fugatoga, etc.

Table with columns: MJAR, MAJO, MAJO, QSPA, TPUB, PETK, KSRS, USRK, MDJ, MDJ, PNTR, NVAR, J05D, J05D, BNX, BNX, PINE, PINE, BINE, BINE, BELA, BELA, GHO, GHO, K20K, K20K, MAW, MAW, CAST, CAST, F10A, F10A, RND, RND, HLID, HLID, ENH, ENH, WRH, WRH, HDA, HDA, CCB, CCB, TXAR, TXAR, IL31, IL31, F19K, F19K, J25K, J25K, XAN, XAN, XAN, XAN, YHL, YHL, PDAR, PDAR, FARO, FARO, HHC, HHC, HHC, HHC, E22K, E22K, F24K, F24K, E23K, E23K, F25K, F25K, ELIB, ELIB, I30M, I30M, F26K, F26K, H29M, H29M, CMAR, CMAR, PZH, PZH, PZH, PZH, TROLL, TROLL, SNA, SNA, SNA, SNA, SNA, SNA, G30M, G30M, VNA2, VNA2, G31M, G31M, VNA1, VNA1, OK05, OK05, SONM, SONM, YKA, YKA, BVAR, BVAR, ARC, ARC, AKAS, AKAS, KIEV, KIEV, EKA, EKA

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SORM Soroca, PURL Purcari, MILM Milestii Mici, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like STKA Stephens Creek, ASAR Alice Springs, WRA Warramunga Arr, etc.

IDC 02 21:18:59.6 1.0, 48:37Sx105:20E, h0km, mb3.9/4, mbtmp3.9/4, Error ellipse: s-maj=81.8km s-min=38.0km az=35.0, Kermadec Islands

IDC 02 21:19:00.8 1.9, 48:55S:1:105:15E:0:2, h10km, 1km, mb4.5/14, Error ellipse: s-maj=24.3km s-min=18.9km az=315.0

IDC 02 21:19:00.5 0.6, 48:55S:1:105:15E:0:1, h10km, m51, 0:1510/30, mb4.3/10, MS3.8/20, Southeast Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H01W2 Cape Leeuwin H, H01W1 Cape Leeuwin H, H01W3 Cape Leeuwin H, etc.

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

ASRS 02 21:28:04.3 0.3, 51:12N:2:9:6E:1, h8km, MLH3.6/13, 1C, confirmed, Tuva-Buryatia-Mongolia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KNGR Kungurtug, KZLR Kyzyl, TJDR Todzha, etc.

IDC 02 21:32:25.1 0.8, 12:98S:45:45E, h0km, mb3.7/8, mbtmp3.8/10, ML4.2/3, MS2.7/3, Error ellipse: s-maj=25.1km s-min=19.7km az=128.0

IDC 02 21:32:26.6 1.5, 12:90S:0:08:45E:0:1, h10km, 1km, mb4.5/9, Error ellipse: s-maj=16.9km s-min=13.6km az=253.0

IDC 02 21:32:26.0 0.6, 12:97S:0:07:45:39E:0:09, h10km, n27, 0:135/27, mb4.0/11, Northwest of Madagascar

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like OPO Ambohitratoampy, ABPO Ambohipanoman, VOT Votitsoka, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BOSA Boshof, SOE Somerset East, SUR Sutherland, etc.

IDC 02 21:38:22.2 14.0, 19:24N:144:11E, h187km, 137km, mb3.2/5, mbtmp3.7/5, MS3.4/1, Error ellipse: s-maj=147.1km s-min=24.4km az=112.0, Mariana Islands

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

IDC 02 21:47:10.1 3.9, 36:34N:71:06E, h219km, 35km, mb3.2/11, mbtmp4.0/16, MS3.2/1, Error ellipse: s-maj=25.8km s-min=14.6km az=21.0

NEIC 02 21:47:13.9 2.2, 36:65N:0:07:70:89E:0:05, h242km, 7km, mb4.4/17, Error ellipse: s-maj=9.8km s-min=5.8km az=167.0

NMC 02 21:47:15.4 5.1, 36:88N:1:36:87E, h212km, 52km, mb3.1, mpv3.9, Error ellipse: s-maj=43.2km s-min=32.0km az=18.0

IDC 02 21:47:14.1 0.5, 36:65N:0:05:71:07E:0:07, h250km, m68, 0:1565/74, mb3.6/17, 5C-5D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GAR Garm, SIMJ Simiganj, KBL Kabul, etc.

2d 22h

Table of station data for '2d 22h' section, including station names, coordinates, and status.

TEH 02 21:49:38.0, 28:93N:51:32E, h5km, 22km, ML3.2
OMAN 02 21:49:41.9, 1:1, 28:63N:51:51E, h5km, mb4, 6/11, ml3, 5/9, ms2, 7/1, Error ellipse: s-maj=9.7km s-min=6.3km az=166.0
DSN 02 21:49:45.0, 1:1, 28:63N:51:66E, h15km, 10.9/10, Error ellipse: s-maj=16.0km s-min=7.4km az=12.0, h10km, n76, i=654/97, Southern Iran

Main table of station data for '2d 22h' section, listing station names, codes, coordinates, and status.

2018 DEC

Table of station data for '2018 DEC' section, including station names, coordinates, and status.

NEIC 02 22:01:46.2, 0.8, 61:39N, 0:03:150:06W, 0:07, h39km, 9km, Error ellipse: s-maj=5.0km s-min=3.5km az=118.0
AEIC 02 22:01:46.6, 0.8, 61:39N, 0:03:150:09W, 0:06, h33km, 7km, ML2.8, ML3.1/50, Error ellipse: s-maj=4.5km s-min=4.3km az=51.0, Southern Alaska

Main table of station data for '2018 DEC' section, listing station names, codes, coordinates, and status.

SKO 02 22:03:21.0, 41:85N:23:13E, h15km, ML1.5
SOF 02 22:03:20.3, 41:86N:0:01:23:12E, 0:02, h13km, 2km, MD2.5/4
BEO 02 22:03:21.9, 0.3, 41:86N:23:10E, h0km, ML1.3/6
ISC 02 22:03:20.8, 0.8, 41:86N:0:02:23:12E, 0:02, h13km, 4km, n25, n46/41/47, 2C, Greece-Bulgaria border region

Main table of station data for '2018 DEC' section, listing station names, codes, coordinates, and status.

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SELSEL eSN Sb 22 04 22.9 +0.9
IDC 02 22:10:37.8, 0.5, 44:04S, 106:11W, h0km, mb4.5, 1/3, mbmp4, 4/13, MS3.8/10, Error ellipse: s-maj=24.8km s-min=15.3km az=108.0
NEIC 02 22:10:39.9, 1.4, 44:1S, 0:1:105:9W, 0:2, h10km, 1km, mb4, 8/67, Error ellipse: s-maj=26.3km s-min=19.8km az=294.0
GCMT 02 22:10:45.9, 0.4, 44:15S, 0:03:105:74W, 0:06, h22km, 1km, MW4, 9/68, Moment Tensor Solution, s31, c36, s68, c79; Duration: 0. Moment tensor: Scale 10^16Nm; Ml=2.5; 1.7; Mw=1.69; 1.2; Mo=0.82; 1.4; Mw=2.08; 1.8; Mw=0.54; 1.0; Mw=0.26; 2.0; Best double couple: M3, 02400:1016 NP1=0.275, 0.0000:0.867, 0.0000:0.1, 101.0000:0. NP2: 0.612, 0.0000:0.826, 0.0000:0.1, -66.0000:0. Principal axes: T 2.6340, Plg21.0000, Azm13.0000; N 0.7790, Plg10.0000, Azm279.0000; P -3.4130, Plg66.0000, Azm165.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 02 22:10:39.2, 0.4, 44:05S, 0:10:106:0W, 0:1, h10km, n135, mb4, 8/67, MS3.7/9, 13C-4D, Southern East Pacific Rise

Main table of station data for '168' section, listing station names, codes, coordinates, and status.

169

Table with columns: Code, Station, Az, Phase, ID, H, Time, Res, ISC. Includes entries for Castle Valley, Columbia Colle, Mina Array, Spring Creek, etc.

AEIC 02:22:25.14.9.0.9, 61.39N, 0.02:149.95W, 0.05, h33km, 3km, ML3.5, ML3.6/134(NEIC), Error ellipse: s-maj=3.3km s-min=3.1km az=224.0

Table with columns: Code, Station, Az, Phase, ID, H, Time, Res, ISC. Includes entries for Rabbit Creek A, Willow, Kurbatov, etc.

2018 DEC

Table with columns: STA, Name, Az, Phase, ID, H, Time, Res, ISC. Includes entries for Susitna One, Glory Hole Core, Skikak Lake, etc.

2d 22h

Table with columns: EYAK, Name, Az, Phase, ID, H, Time, Res, ISC. Includes entries for Cordova Ski Ar, Castle Rocks, White Mountain, etc.

Table with columns: PNM, Pinnacle, 4.94 101 P, Pn, 22 26 26.5 +1.5, BCPM, Bancas Point, 5.28 101, Pn, 22 26 30.5 +0.8, etc.

Table with columns: HNR, Honiara, 16.33 315 Pn, Pn, 22 36 35.4 -2.5, HNR, Honiara, 12m, 0.3s, baz=204, slow=10.0, SNR=6.1, etc.

Table with columns: TBI, WAKE ISLAND, 22 45 31.3 +4.2, TBI, WAKE ISLAND, 22 47 59.4, TBI, WAKE ISLAND, 22 49 29.8, etc.

IDC 02 22:32:46.0.5, 21.505S:171.41E, h0km, mb4.5/17, mbmp4.6/21, ML4.9/4, MS4.9/52, Error ellipse: s-maj=18.1km s-min=15.2km az=106.0, MOS 02 22:32:46.4.1.4, 21.455S:171.33E, h10km, mb5.2/23, MS5.2/9, Error ellipse: s-maj=10.1km s-min=10.1km az=21.6, BUJ 02 22:32:46.5.21.46S:171.48E, h15km, mb4.8/60, mb5.5/35, MS5.2/50, MS7.4/39, NEIC 02 22:32:47.9.1.21, 21.25S:0.07E, h10km, 1km, mb5.3/97, Ms=20.5/3231, Mw5.4/21, Mw5.5/44, Error ellipse: s-maj=12.4km s-min=11.6km az=330.0, Moment Tensor Solution. Moment tensor: Scale 1017Nm; Mn=0.65; Mw=1.98; Mx=1.32; My=0.28; Mz=0.45; Mxx=0.30; Fault plane solution: M2.185000x1017 NP1: 0.320.68000, 88.74000, -18.06000. NP2: 0.533.36000, 87.213000, -1.171.31000. Principal axes: T 2.0712, Plg7.0000, Azm8.0000; N -0.6003, Plg70.0000, Azm117.0000; P -1.4709, Plg19.0000, Azm276.0000; NEIC 02 22:32:47.9.21.27S:171.46E, h12km, NEIC 02 22:32:47.9.21.17S:171.67E, h12km, Moment Tensor Solution. Duration: 9.2 Duration: 9.2 Moment tensor: Scale 1017Nm; Mn=0.41; Mw=2.35; Mx=1.93; My=0.66; Mz=0.64; Mxx=0.55; Fault plane solution: M2.31000x1017 NP1: 0.134.11000, 88.614000, -1.2293000. NP2: 0.225.74000, 86.712000, -1.175.81000. Principal axes: T 2.5046, Plg13.0000, Azm182.0000; N -0.3828, Plg67.0000, Azm305.0000; P -2.1218, Plg19.0000, Azm88.0000; NEIC 02 22:32:48.7.21.30S:171.46E, h10km, GCMT 02 22:32:49.9.0.1, 21.185S:0.01E, h17km, Mw5.5/160, Moment Tensor Solution. s126.c204; s160.c292. Duration: 19.4 Moment tensor: Scale 1017Nm; Mn=0.33; Mw=2.75; Mx=0.3; My=0.41; Mz=0.3; Mxx=0.08; Mw=0.27; Mz=0.38; Mxx=0.38; Mw=0.27; Best double couple: M2.62900x1017 NP1: 0.48.0000, 88.40000, -1.172.0000. NP2: 0.318.0000, 88.20000, -1.6.0000. Principal axes: T 2.7650, Plg1.0000, Azm183.0000; N -0.2650, Plg80.0000, Azm86.0000; P -2.4930, Plg10.0000, Azm273.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function NOU 02 22:33:06.0.21.11S:170.08E, h11km, mb4.9/15, Southeast of Loyalty Islands

Table with columns: CTA, Charters Tower, 23.62 269, LR, 22 46 55.0, CTA, Charters Tower, 23.62 269 P, P, 22 37 59.0 -0.3, CTA, Charters Tower, 23.62 269 Pmax, Pmax, 22 37 59.0 -0.3, etc.

Table with columns: TBI, WAKE ISLAND, 22 45 31.3 +4.2, TBI, WAKE ISLAND, 22 47 59.4, TBI, WAKE ISLAND, 22 49 29.8, etc.

Table of astronomical observations for 2d 22h, listing object names (e.g., G19K, J08A), coordinates, and observation details.

Table of astronomical observations for 2018 DEC, listing object names (e.g., LAO, WMQ), coordinates, and observation details.

Table of astronomical observations for 2018 DEC, listing object names (e.g., ZVC, ZVC), coordinates, and observation details.

NEIC 02 22:40:19.71.6, 61.52N, 02:149:99W, 0.05, h40km, 6km, Error ellipse: s-maj=3.6km s-min=3.0km az=163.0

AEIC 02 22:40:20.01.0, 61.49N, 02:149:95W, 0.04, h30km, ML3.3, ML3.5/176(NEIC), Error ellipse: s-maj=3.3km s-min=2.8km az=192.0

ISC 02 22:40:20.01.2, 61.49N, 02:149:97W, 0.02, h42km, n199, 0867/204, Southern Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, listing station information and observation results.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains station data for M27K, ILAR, ILAR, F19K, P28M, ONL, H22K, L26K, RIDG, COLA, HDA, I23K, PINM, F18K, M26K, K24K, CTG, F17K, H21K, NEA2, MLY, I21K, PAX, MACR, G18K, H20K, MESA, TNSA, HARP, H19K, F15K, CR4K, MCK, DHY, N25K, G17K, BPAW, G16K, H18K, BRFM, TRM, WAT1, G15K, GCSA, KLU, H17K, CHUM, KAIM, SCM, ANM, H16K, CAST, EYAK, SML, CLT, G14, K20K, PPLA, KNK, I17K, SKT, P23K, M20K, J14W, SEAW, SPCR, Q19K, N15K, KDAX, N14K, GRHM, SUR, SUR, TROLL, SOE, SOE, SNA4.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains station data for SNA4, SNA4, SNA4, VNA2, VNA1, VNA3, H04S2, H04S3, H04S1, CRZF, MAW, MAW, POGA, BELA, QSPA, QSPA, SMAI, SMAI, RER, VVND, VVND, VVND, MG04, MG04, TRQA, TRQA, COYO, LLO2, LLO2, LODK, CPUP, CO01, CO01, TORD, TORD, TORD, TORD, GO03, AC06, AC06, PTLB, PTLB, MORV, MORV, LPAZ, LPAZ, LPAZ, TAM, SAML, SAML, ATMB, ESAB, WRA, PAOL, RDO, RDO, ESDC, ESDC, ESDC, SONM, TXAR, PDAR, NVAR, YKA, YKA, INK, ILAR, IDC 02 23:25:12.1, ATH 02 23:25:13.2, THE 02 23:25:13.8, NEIC 02 23:25:15.0, ISC 02 23:25:14.1, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains station data for LXRI, DMLN, SMHA, SMHA, VSK1, VSK1, FSK, FSK, FSK, FSK, DRO, DRO, DRO, DRO, EVGI, EVGI, EVGI, NYDR, NYDR, PVL, PVL, PYL, PYL, ITM, ITM, ITM, ITM, LKD2, LKD2, LKD2, LKD2, TSUK, TSUK, TSUK, UPR, UPR, UPR, UPR, KLV, KLV, KLV, KLV, EFP, EFP, EFP, GUR, GUR, GUR, ANX, ANX, ANX, KEK, KEK, KEK, THRO, THRO, THRO, TYRN, TYRN, TYRN, LIT, LIT, LIT, FNA, FNA, FNA, TIP, TIP, TIP, OHR, OHR, OHR, TIR, TIR, TIR, VAV, VAV, VAV, CUC, CUC, CUC, PUK, PUK, PUK, PUK, PUK, PUK, PDG, PDG, PDG, PDG, PDG, PDG, PAOL, PAOL, PAOL, KARP, KARP, KARP, INTR, INTR, INTR, ELL, ELL, ELL, MLR, MLR, MLR, KEST, KEST, KEST, MMAL, MMAL, MMAL, AKAS, AKAS, AKAS, CLL, CLL, CLL, PABE, PABE, PABE, HFS, HFS, HFS, BELG, BELG, BELG, FINES, FINES, FINES, FIA1, FIA1, FIA1, NOA, NOA, NOA, TORD, TORD, TORD, ARTI, ARTI, ARTI, ARTI, ARTI, ARTI, ARCES, ARCES, ARCES, MK31, MK31, MK31, MKAR, MKAR, MKAR, ZAAO, ZAAO, ZAAO, ZALV, ZALV, ZALV, IDC 02 23:38:38.1, NEIC 02 23:39:29.1, IDC 02 23:39:29.1.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Paulatuk, Herat, Holberg, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Sutherland, Troll, Antarti, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Sutherland, Troll, Antarti, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Panimavida, Diego Garcia H, etc.

IDC 03 00:00:50.0, 1.3, 52.49S, 18.03E, h0km, mb4.0/5, mbtmp4.0/5, Error ellipse: s-maj=45.4km s-min=24.6km az=70.0

NEIC 03 00:00:50.8, 1.4, 52.45S, 0.1, 18.0E, 0.2, h10km, 1km, mb4.9/23, Error ellipse: s-maj=22.4km s-min=18.3km az=161.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SOE, TROLL, SNA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GSPA, LLO2, LODK, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MT09, VA03, AQDB, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Fontana Vidola, ZCCA, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like OZOL, CARE, KOSI, APPI, PGF, CIMO, IMI, GBOS, RM33, DST2, MPRI, TERO, SKDS, BRES, GEPF, SMPL, SMOF, TUE, VINO, CLUD, BURY, TURF, ZOU.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like ZOU, DAVOX, SAMA, STV, ROSI, ABTA, SPIF, CEY, ACOM, ACOM, SOTA, MYKA, MYKA, CALF, WTTA, WTTA, WTTA, WTTA, SURF, MOTA, MBDF, MBDF, WATA, WATA, RRL, DAVA, DAVA, SALS, CREP, BOJS, KBA, KBA, RETA, RETA, LPG, LPG, LPL, LPL, OBKA, OBKA, OBKA, LES, LES, LES, TRIG, LMR, LMR, RSL, CRES, SOKA, SOKA, ORIF, ORIF, ARTF, BIOA, BIOA, BIOA, A050A, BSTF, SMRF, SMRF, RUSF, OGSF, A051A, CABF, CABF, MOA, MOA, MOA, OG35, ARSA, ARSA, ARSA, BLY, VIVF, VIVF, HINF, HINF, CDF, CDF, GERES, GERES, GERES.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like CONA, HAU, HAU, RONA, RONA, CKRC, CKRC, KHC, KHC, LASF, LASF, PLYF, TREB, BRY, ZVC, SMF, SMF, HAPS, HAPS, UPM, SFTF, SFTF, LOR, LOR, MEZF, MEZF, MEZF, MODS, MODS, AVF, AVF, SAVF, SAVF, SSF, SSF, BBLs, RUD, KRUC, KRUC, TEKS, PDG, BGF, BGF, CAF, MTLF, MTLF, SJES, TCF, TCF, CARF, DUNF, VALC, VYHS, VYHS, Les Rejaudoux, Les Rejaudoux, CLL, CLL, CLL, CLL, LFF, LFF, EPF, EPF, MFF, ETSF, ETSF, SJE, SJE, FLN, FLN, FLN, GRR, GRR, GRR, ESDC, ESDC, TORO, TORO, YKA, YKA, TXAR, TXAR, TXAR.

2018 DEC

3d 0h

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, SEDI, comp, N, S, SNR, and various numerical values. Includes stations like Beja, Evora, Vaqueiros, Badajoz, etc.

Main table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, SEDI, comp, N, S, SNR, and various numerical values. Includes stations like Athalassa, Mathiatis, Erekenoy, etc.

Table with columns: SEDI, comp, N, S, SNR, and various numerical values. Includes stations like KEMT, AKUM, RY, etc.

ISK 03 00:16:15.8, 35:13N, 33:22E, h81km, ML3, 7/35
HLW 03 00:16:15.5, 35:21N, 33:17E, h31km, 4.3km, M04, 3, M4.0
IDC 03 00:16:17.4, 1.9, 35:10N, 33:13E, h66km, 18km, mb3, 6/10

comp=2.6, 6nm, 1.1s
i AML AML 00 17 34.0

3d 1h

Table of station data for 3d 1h, including columns for station name, coordinates, and status. Stations include Lembang, Matsuhiro Arr, MAJO Matsuhiro, MJB9 Matsu-Tunnel, RPN Rapsui, QSPA South Pole Qui, NJ2 Nanjing, PETK Petropavlovsk, USRK Ussuriysk Ar, PSI Prapat, BNX BinXian, KLR Kul'dur, LYN LuoYang, MAW Mawson, MAZ Magadan, KDAK Kodiak Island, XLT XiLinHaoTe, CMAR Chiang Mai Arr, CHTO Chiang Mai, P18K Big Mountain, HHC Hu-ho-hao-te, PZH PanZhiHua, O19K Port Alsworth, BTO Baotou, CMB Columbia Colle, ORV Oroville, AFDM Forest Hills D, ISA Isabella, Lake, YSH Yreka Blue Hor, YBH Yreka Blue Hor, PFO Pinyon Flats O, WAKR Walker, PBA Port Blair, PNTR Pine Nut, NVAH Mina Array Bay, LZH Lanzhou, GMB Gold Mountain, KVN Kaiserville, J05D Fort Rock, O, TPNV Topopah Spring, PINE Pine Mountain, I05D Terrebonne, OR, CRQM Cirque, BBB Bella Bella, PRN Pahroc Range, I07A Ize, TROLL Troll, J08A Circle Bar Ran, MG04 Isla Riesco, SNAH Sanae, SNAI Sanae, SNAJ Sanae, G08A Pilot Rock, HAWA Hanford, X16A Lo Mia Camp, ELK Elko, KNB Kanab, ILAR Eielson Array, ILAR Eielson Array.

2018 DEC

Table of station data for 2018 DEC, including columns for station name, coordinates, and status. Stations include ILAR, VNA2 Neumayer-Watz, E08A Dider Farm, E08A, T35M Bob Quinn, VNA1 Neumayer-Stat, SONM Songino Array, MTPU Mount Pierson, GTA Gaotai, PLTD Pearl Lake, HLID Hailey, 121A Cookes Peak, NEW Newport, SRU San Rafael Swe, ANMO Albuquerque, TX31 Lajitas Array, TXAR Lajitas Array, YHB Horse Butte, ALPN Alpine, PD31 Pinedale Array, PDAR Pinedale Array, YNR Nor Junctio, LR05 Currie, PLCA Paso Flores, N23A Red Feather La, YKA Yellowknife Ar, A36M Saacks Harbour, MKAR Makanchi Array, EKA Eskdalemuir Ar, OSTO Ostas, MORC Moravsky Bere, DPC Dobruska-Polom, UPC Upicie, VYHS Vyhne, CLL Collim, CLL Collim, BRG Berggiesshubel, BRG Berggiesshubel, BRG Berggiesshubel, PVCC Panska Vsa, JAVC Velka Javorina, YRAN Yranov, KRUC Moravsky, PRU Pruhonospeser, SRO Srobarova, MODS Modra-Piesok, ZVC Zvikov, KRCR Cesky Krumlov, RRU Rosalia, KHC Kasperske Hory, CONA Conrad Observa, GERES GERESS Array B, ARSA Arzberg, MOA Mollin, BIOA Bad Ischl, SOKA Soboth, OBKA Obir, LESA Schwarzleotol, MYKA Terra Mystica, WATA Walderalm, WTAT Wattenberg, ABTA Abtaltersbach, MOTA Moosalm, RETA Reutte, SOTA Sankt Quirin, FEVA Feichten, DAVA Davos, FUORN Ofenpass-Fuorn, TUE Tuetta, ESCD Senesca Array, TORD Torodi Ar, SJA 03 00:58:58.7, GUC 03 00:59:02.7, IDC 03 00:59:04.3, mbmp4.1/7, VAO 03 00:59:04.8, ISC 03 00:59:00.0, Code Station Name, Azimuth, Phase ID, Time, Res.

184

Table of station data for 184, including columns for station name, coordinates, and status. Stations include PB08 IPOC Station P, GO01 Chusmiza, GO01 Chusmiza, TA01 Diego Aracena, TA01 Diego Aracena, TA02 Huaiquique, TA02 Huaiquique, AF01 San Pedro de A, AF01 San Pedro de A, PB04 IPOC Station P, PB04 IPOC Station P, PB04 IPOC Station P, YJA Yavi, AP01 Chacalluta, AP01 Chacalluta, PB14 IPOC Station P, PB14 IPOC Station P, LPAZ La Paz, LPAZ La Paz, LPAZ La Paz, BBSV Serra de San D, BBSV San Ignacio, PTLB Pontes e Lacer, WILNA Wilena, AQDB Aquidauana, PDRB Porto dos Gac, SNDB Serra Nova Dou, PLCA Paso Flores, SNAH Sanae, DBIC Dimbroco, TORD Torodi Ar, YKA Yellowknife Ar, WRA Warramunga Arr, MKAR Makanchi Array, SOME 03 01:06:50.4, NNC 03 01:06:56.7, Error ellipse, KRNET 03 01:06:50.9, Tajikistan-Xinjiang border region, SFA Sufi-Kurgan, SFK Sufi-Kurgan, OHH Osh, OHH Osh, DRK Karamyk, DRK Karamyk, DRK Karamyk, DRK Karamyk, SALK Salk, SALK Salk, ARSB Arslanbob, ARSB Arslanbob, ARK Arkit, ARK Arkit, ARS Aral, ARS Aral, GAR Garm, GAR Garm, TRKS Trkro, TRKS Trkro, AML Almayashu, AML Almayashu, NRN Naryn, NRN Naryn, MNAS Manas, MNAS Manas, EKS2 Erkin-Say, EKS2 Erkin-Say, MRKS Merke, MRKS Merke, MRKS Merke, MRKS Merke, KKB Karagaybulak, FRU1 Bishkek, FRU1 Bishkek, ULHL Ulhal, ULHL Ulhal, IUG Iuzhnyy, IUG Iuzhnyy, IUG Iuzhnyy, IUG Iuzhnyy, BOOM Boomsokush, BOOM Boomsokush, CHMS Chumysh, CHMS Chumysh, CHMS Chumysh, CHMS Chumysh, TKM2 Tokmak 2, TKM2 Tokmak 2, TKM2 Tokmak 2, TKM2 Tokmak 2, USP Ospanovka, USP Ospanovka, KAST KasteK, KAST KasteK.

3d 2h

2018 DEC

186

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Contains station data for CHKK, ARLS, USP, etc.

Station data for IDC 03 02:00:50.4-1.3, 37.25N:20.55E, h0km, mb3.5/9, mbtmp3.4/13, ML3.3/4, Error ellipse: s-maj=26.3km s-min=18.8km az=170.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Contains station data for KRII, LTHK, ORTH, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Contains station data for PYL, PYLOS, KLV, etc.

Station data for IDC 03 02:09:39.1-1.1, 54.72N:161.12W, h0km, mb3.8/16, mbtmp3.7/18, ML3.5/2, MS3.0/1, Error ellipse: s-maj=27.5km s-min=14.6km az=179.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Contains station data for CNBA, CHNA, HAG, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Contains station data for O14K, OHAK, OHAK, etc.

Station data for TAP 03 02:13:59.7-1.0, 22°N:3°12'E, h26km, ML3.3/D, JMA 03 02:13:59.7-1.0, 22°N:3°12'E, h46km, MV3.5/13, TAIWAN REGION, IDC 03 02:13:59.5-1.1, 21.94N:0.04:121.1°E, h0km, 0.0:03, h14km, 8km, n72, 0:88/90, 2C-4D, Taiwan region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TSEB, SMST, Hengchun, etc.

ISN 03 02:24:40.1-0.3, 34.19N, 45.57E, h14km, 10km, ML2.7
TEH 03 02:24:40.2, 34.19N, 45.59E, h8km, 60km, ML2.6
ISC 03 02:24:40.2-1.1, 34.19N, 0.03-45.60E, 0.03, h10km, n11,
e059/15, Iran-Iraq border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GLG1, KGS1, ILBA, etc.

NEIC 03 02:28:25.8-1.2, 61.27N, 0.02:149.98W, 0.05, h40km, 5km,
Error ellipse: s-maj=3.5km s-min=3.0km az=83.0
AEIC 03 02:28:26.3-1.1, 61.28N, 0.02:149.94W, 0.05, h44km, 5km,
ML3.0, ML3.2/174(NEIC), Error ellipse: s-maj=3.7km
s-min=3.4km az=72.0, Southern Alaska

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RC01, SUA, M22K, etc.

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like STLK, SPCG, Spurr Capps, etc.

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TGL, CCB, Clear Creek, etc.

MIRAS 03 02:33:58.5, 60.21N, 60.02E, h1km, ML2.7/6
ISC 03 02:33:57.9-2.6, 60.22N, 0.1-59.98E, 0.08, h3km, 6km, n8,
e1509/14, 1C-3D, Ural Mountains region

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

3d 2h

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PR7R, PR1R, PROR, PR6R, ARTI, BRVK, BVAO.

SJA 03 02:34:08.6:0.7,34.03S:72.56W,h14km,3km,ML4.2,MV4.4

VAO 03 02:34:12.0:0.7,33.95S:72.11W,h0km,mb4.3

GUC 03 02:34:12.9:0.8,34.00S:72.45W,h32km,2km,ML4.1

IDC 03 02:34:12.5:0.9,34.02S:71.38W,h0km,mb4.2B,mbmp4.2/10,ML3.7/2,MS3.8/18,Error ellipse:

s-maj=36.0km s-min=15.0km az=94.0

NEIC 03 02:34:12.0:1.9,34.03S:72.41W,0.06,h14km,3km,mb4.6/14,Mw4.6/6,Error ellipse: s-maj=7.1km

s-min=3.9km az=95.0, Moment Tensor Solution. Moment tensor: Scale 10^19Nm; Mr:2.22; Mw:0.01; Mo:3.21;

Mw:0.07; Ms:0.14; Ms:2.74; Fault plane solution: Mw:4.220000x10^15 Np1:0.18010000, d85.220000, 7.92.080000. NP2:0.35505000, d24.860000, 1.85.500000.

Principal axes: T 4.2266, Plg70.0000, Azm94.0000; N -0.0081, Plg2.0000, Azm359.0000; P -4.2185, Plg20.0000, Azm268.0000;

NEIC 03 02:34:12.3:34.03S:72.40W,h16km

ISC 03 02:34:12.0:1.8,33.98S:0.02:72.45W,0.04,h17km,10km,n145,r131/159,mb4.4/14,MS3.9/16,16C-3D,Off coast of central Chile

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists various stations and their associated data.

2018 DEC

Main table with columns: Station Name, Azimuth, Phase ID, Time, Res. Lists various stations and their associated data.

188

Main table with columns: Station Name, Azimuth, Phase ID, Time, Res. Lists various stations and their associated data.

Main data table with columns for station name (SPU, SPCP, etc.), coordinates, date (2018 DEC), and various codes (Pn, IAML, etc.). Includes sub-sections like WACK, M18K, and K17K.

3d 2h

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like K13X, F17K, I30M, etc.

2018 DEC

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like TKL, Y49A, ARCES, etc.

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Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like KIV, KBZ, PZH, etc.

Table listing stations 191-350 with columns for Code, Station Name, Az, El, P, Res, Time, Res, and ISC. Includes stations like H03N1 Juan Fernandez, LPZA Paso Flores, SIV San Ignacio, etc.

Table listing stations 355-650 with columns for Code, Station Name, Az, El, P, Res, Time, Res, and ISC. Includes stations like INK Inuvik, KVAR Karatay Array, RES Resolute Bay, etc.

Table listing stations 655-950 with columns for Code, Station Name, Az, El, P, Res, Time, Res, and ISC. Includes stations like KR11 KERI, LTHK Lithakia, KYP5 Kipseli, etc.

3d 3h

Table with columns: SML, comp=N, 1µm, 0.7s, IAML, 03 07 27.1, etc. Lists various stations and their data points.

2018 DEC

Table with columns: MCARA, McCarthy VSAT, 3.30 86, Pn, Pn, 03 07 47.9 +1.1, etc. Lists various stations and their data points.

192

Table with columns: BCPM, comp=N, 26nm, 1.0s, IAML, 03 09 42.5, etc. Lists various stations and their data points.

SJA 03 03:12:20.5±0.7, 32°21'Sx70°51'W, h11km, 4km, ML2.6, MV2.8

GUC 03 03:12:20.4±0.7, 32°23'Sx70°55'W, h12km, 2km, ML3.1

ISC 03 03:12:20.5±1.1, 32°23'Sx70°53'W, 0.03, h12km, 9km, n23, 097742, 3C, Chile-Argentina border region

Table with columns: Code, Station Name, Δ° AZ°, Phase ID, Time, Res, etc. Lists various stations and their data points.

SJA 03 03:23:23.6±0.7, 33°96'Sx72°41'W, h16km, 2km, ML4.0, MV4.1

NEIC 03 03:23:25.2±1.4, 33°96'Sx0°008'72.411W, 0.04, h10km, 1km, mb4, 1/7, Error ellipse: s-maj=6.1km

IDC 03 03:23:26.4±1.0, 34°08'Sx71°40'W, h0km, mb4, 0/7, mbmp3, 9/10, ML3.6/3, MS3.4/6, Error ellipse: s-min=3.0km az=265.0

s-maj=36.2km s-min=19.1km az=92.0
GUC 03 03:23:26.7 0.9, 34.00S:72.45W, h32km, 3km, ML4.1
ISC 03 03:23:24.9 1.3, 33.96S:02.7245W, 0.04, h12km, 8km,
n12S, e134/164, mb4.1/12, MS3.3/4, 8C-3D, Off coast of
Central Chile

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time Res, ISC, h m s ISC. Rows include stations like Pichilemu, Santo Domingo, Popeta, Hualane, Torpederas, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time Res, ISC, h m s ISC. Rows include stations like ZON Zonda, G004 Tololo Observa, CO05 La Serena, etc.

IDC 03 03:56:54.0 1.4, 2.6:97N:53.69E, h0km, mb3.6/8,
mbtmp3.6/9, ML3.5/7, Error ellipse: s-maj=29.1km
s-min=22.4km az=11.0

TEH 03 03:56:55.4 2.6:83N:53.59E, h18km, 48km, ML3.5
DSN 03 03:56:56.7 1.1, 7km s-min=6.6km az=168.0
ISC 03 03:56:55.3 0.8, 26.81N:05.533E:0.05, h10km, n37,
e109/140, mb3.5/8, Southern LR

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time Res, ISC, h m s ISC. Rows include stations like LMD1 Lamerd, LAR1 LAR, JHRM Jahrom, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time Res, ISC, h m s ISC. Rows include stations like ALNE AI Ain, SOHO SOHO, NGRK Negar Kerman, etc.

IDC 03 03:57:44.5 2.8, 7.68S:128.74E, h157km, 33km, mb3.4/5,
mbtmp4.0/9, Error ellipse: s-maj=33.1km s-min=20.5km
az=4.0

ISC 03 03:57:43.9 0.8, 7.85S:128.86E:0.09, h150km, n9,
e260/12, mb3.7/5, Banda S

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time Res, ISC, h m s ISC. Rows include stations like BATI Baunata, JAY Jayapura, WRA Warramunga Arr, etc.

IDC 03 04:09:01.7 4.5, 14.58S:167.24E, h128km, 36km, mb3.7/8,
mbtmp4.1/9, MS2.7/1, Error ellipse: s-maj=30.5km
s-min=24.5km az=44.0

NEIC 03 04:02:02.8 1.2, 14.7S:0.1:167.3E:0.1, h136km, 9km,
mb4.5/17, Error ellipse: s-maj=22.2km s-min=18.0km
az=129.0

NOU 03 04:09:04.8, 14.69S:167.20E, h113km, MLV4.6/11,
Vanuatu Islands

ISC 03 04:09:03.8 0.7, 14.68S:167.3E:0.1, h150km, n49,
e92/48, mb4.3/15, 4C, Vanuatu Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time Res, ISC, h m s ISC. Rows include stations like VLAKA Lakatoro, DVP Devils Point, LUES Luesalemba Tem, etc.

3d 4h

Table with columns: Call Sign, Name, Frequency, Power, Status, and other technical details for stations like MAW, ILAR, TROLL, etc.

IDD 03:04:10:39.6:0.5, 15.65N:49.97W, h0km, mb4.2/25, mbmp4.2/27, ML4.2/2, MS3.4/29, Error ellipse: s-maj=14.9km s-min=12.1km az=144.0

NEIC 03:04:10:41.8:2.0, 15.48N:0.09:49.96W:0.0:09, h10km, 1km, bz=97.106, Error ellipse: s-maj=15.0km s-min=14.7km az=97.10

ISC 03:04:10:41.3:0.4, 15.58N:0.06:50.07W:0.0:06, h10km, #241, #153/203, mb4.7/1, MS3.5/27, North Atlantic Ocean

Main table of station data with columns: Code, Station Name, Lat, Lon, Phase ID, Time, Res, and other technical details for various stations like BBGH, GDSO, SLAC, etc.

2018 DEC

Main table of station data for the 2018 DEC section, including stations like BDFB, PTBL, CZSB, etc.

194

Main table of station data for the 194 section, including stations like BDFB, YMR, HWUT, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like Red Dog Mine, Borovoy Array, Kurbbs Kurchatov Arra, etc.

NEIC 03 04:15:40.10, 0.7, 42.62N:0.02, 108.41W:0.06, h5km, 2km, ML2.7/63, Error ellipse: s-maj=7.8km s-min=2.9km az=69.0, Wyoming

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like PLCA Paso Flores, CPUP, DBIC Dimbokro, etc.

IDD 03 04:33:04.0, 0.9, 5.13N:72.94W, h0km, mb3.3/4, mbmp3.6/6, ML3.6/2, MS2.7/2, Error ellipse: s-maj=26.2km s-min=16.7km az=151.0, RSNC 03 04:33:07.5, 0.0, 5.1N:1.7, 37W, h0km, 2km, M3.5, mb4.4, ML3.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like RUSC La Rusia, RUSC Chingaza, RUSC Chingaza, etc.

IDD 03 04:28:01.5, 0.8, 52.62S:18.13E, h0km, mb4.0/10, mbmp4.0/10, MS3.4/10, Error ellipse: s-maj=28.7km s-min=19.3km az=69.0

ISC 03 04:28:03.2, 0.8, 52.65S:18.11E, 0.2, h10km, n28, 0.85R5, 18, mb4.1/12, MS3.3/10, 1C-4D, Southwest of Africa

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like SUR Sutherland, SUR Sutherland, TROLI TROLI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like VNDA Vanda, HIOSI HIOSI, MBAR Mbarara, etc.

IDD 03 05:11:51.2, 1.4, 11.14N:125.08E, h0km, mb3.7/7, mbmp3.7/7, Error ellipse: s-maj=80.5km s-min=17.7km az=60.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like CMAR Chiang Mai Arr, WRA Warramunga Arr, ASAR Alice Springs, etc.

THE 03 05:13:44.7, 37.59N:20.32E, h0km, 2km, ML3.3/9, Error ellipse: s-maj=2.5km s-min=0.7km az=245.0

ATH 03 05:13:44.8, 37.58N:20.31E, h7km, 5km, ML3.2/3, Error ellipse: s-maj=5.5km s-min=1.4km az=29.0

IDD 03 05:13:53.2, 3.5, 37.69N:20.50E, h87km, 35km, mb3.4/8, mbmp3.6/11, Error ellipse: s-maj=29.7km s-min=22.8km az=117.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like ORTH Orthonies, KERI, LTHK Lithakia, etc.

ISC 03 05:13:44.8, 1.6, 37.59N:20.32E:0.05, h8km, 9km, n48, 0.15T0, 16.3, 7/8, Ionian Sea

ISC 03 05:36.1, 2.1, 52.45S:18.14E:0.7, h10km, n17, 0.679R8, MS3.4/5, 2C, Southwest of Africa

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like RLS Riolos of Patr, RLS Riolos of Patr, RLS Lefkada island, etc.

3d 5h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like TOR, ARCES, MKAR, ZALV.

WEL 03 05:37:23.7±0.8, 32°S±17°8W, l1.7, h33km, M4, 8/4, mB4.9/1, ML5.1/7, MLV4.6/4, Mw(mB)4.2/1, Error ellipse: s-maj=23.0km s-min=3.2km az=105.5, confirmed

NEIC 03 05:37:28.1±1.2, 31°25'S±10.8°W, l2.0, h48km, 7km, mB4.5/15, Error ellipse: s-maj=23.9km s-min=10.5km az=103.0

IDC 03 05:37:30.2±1.8, 31°26'S±17.5°W, l74km, 16km, 0.4/6, mBtmp4.3/8, M53.2/3, Error ellipse: s-maj=24.9km s-min=14.0km az=106.0

ISC 03 05:37:26.8±0.5, 31.4A9S±0.05°E, l78.6W±0.1, h61km, n78, e±289/83, mb4.5/14, 4.0, Kermadec Islands region

Main table for 3d 5h section, listing station codes (GLKZ, WNGZ, etc.), station names, and various parameters like Az, Phase, ID, Time, Res, ISC.

2018 DEC

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like KURBB, KBZ, FIA1, etc.

WEL 03 05:42:08.0±0.9, 35°S±17°9W, l276km, 9km, M3.8/4, mB4.1/3, ML4.1/10, MLV3.9/4, Mw(mB)3.1/3, Error ellipse: s-maj=12.2km s-min=9.0km az=103.2, confirmed, Off east coast of North Island

Main table for 2018 DEC section, listing station codes (WMGZ, HAZ, etc.), station names, and various parameters like Az, Phase, ID, Time, Res, ISC.

NEIC 03 05:48:37.1±1.8, 18°65'S±10.1°E, l177.94W±0.10, h47km, 4km, mB4.5/240, Error ellipse: s-maj=14.5km s-min=13.4km az=158.0

IDC 03 05:48:39.0±1.2, 18°74'S±17.7°E, l177.98W, h47km, 13km, mB3.9/19, mBtmp4.7/23, Error ellipse: s-maj=11.0km s-min=10.2km az=100.0

NOU 03 05:48:39.1, 18°78'S±17.7°E, l177.90W, h49km, mb4.7/45, Fiji Islands region

ISC 03 05:48:40.6±0.3, 18.775S±0.06°E, l178.02W±0.005, h500km, n632, e±95/633, mb4.5/150, 15C-12, Fiji Islands region

Main table for 2018 DEC section, listing station codes (MSVF, ARMA, etc.), station names, and various parameters like Az, Phase, ID, Time, Res, ISC.

Main table for 2018 DEC section, listing station codes (ARMA, ARMA, etc.), station names, and various parameters like Az, Phase, ID, Time, Res, ISC.

3CR 5h

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like Sand Creek, Eielson Array, Shalerucik Mo, etc.

2018 DEC

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like Miner Creek, Squaw Lake, Red Lodge, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like Sachs Harbour, Makanchi Array, Kurchatov Array, etc.

MDD 03 05:55:46.7z 1.3, 37:05N; 15:07W, h0km, Mb4.3/6, M_mb3.7/6, Error ellipse: s-maj=11.7km s-min=9.6km az=172.0
IGL 03 05:55:48.8, 37:05N-15:06W, h1km, ML1.9
INMG 03 05:55:48.1, 1.36, 83N, 15.46W, h22km, ML2.5, Error ellipse: s-maj=7.2km s-min=3.6km az=118.0
CNMR 03 05:55:53.9, 36.21N, 14:27W, h12km, ML1.9
ISC 03 05:55:49.3, 1.9, 36.73N, 0.06:14.6W, 0.1, h10km, n52, z=255/71, 6C, Azores-Cape St. Vincent Ridge

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

MDD 03 05:56:40.3, 0.6, 37.20N-3.72W, h0km, mb, Lg1.4/4, Error ellipse: s-maj=5.7km s-min=3.8km az=155.0,

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

IDC 03 06:04:21.8, 1.9, 6.94S:129.48E, h151km, 17km, mb3.8/10, mbtmp4.4/14, MS3.4/6, Error ellipse: s-maj=16.4km s-min=12.9km az=66.0,

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

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DRS, SOEI, SOEI, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ZALV, ZALV, ZALV, etc.

3d 6h

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for various radio stations.

2018 DEC

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details for various radio stations.

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Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for various radio stations.

Table with columns: Station ID, 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 Trend, Elevation Trend, Azimuth Scatter, Elevation Scatter, 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 Status, Elevation Status, Azimuth Comment, Elevation Comment.

Table with columns: Station ID, 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 Trend, Elevation Trend, Azimuth Scatter, Elevation Scatter, 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 Status, Elevation Status, Azimuth Comment, Elevation Comment.

Table with columns: Station ID, 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 Trend, Elevation Trend, Azimuth Scatter, Elevation Scatter, 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 Status, Elevation Status, Azimuth Comment, Elevation Comment.

NEIC 03 06:52:11.9, 1.2, 61.48N, 0.02:150:11W:0.05, h36km, 5km, Error ellipse: s-maj=3.5km s-min=3.0km az=107.0
AEIC 03 06:52:12.6, 1.3, 61.46N, 0.02:150:12W:0.04, h29km, 7km, ML3.5, ML3.6/7A(NEIC), Error ellipse: s-maj=3.0km s-min=2.9km az=121.0
ISC 03 06:52:12.2, 0.9, 61.46N, 0.03:150:10W:0.03, h32km, 8km, n88, 0:65/101, Southern Alaska
Code Station Name Az Phase ID Time Res

3d 7h

Table with columns: Code, Station Name, Az, El, Pn, Pn, 06 53 32.1 +0.6, etc. Includes stations like K15K Wolf Creek Mou, M29M Somme Creek, H17K Granite Mounta, etc.

NOU 03 07:25:31.1, 21.96S, 169.42E, h0km, ML4.6/9, Southeast of Loyalty Islands
IDC 03 07:25:32.8, 1.7, 20.80S, 168.90E, h0km, mb3.9/4, mbmp3.9,6,ML5.2/1,MS3.7/25, Error ellipse: s-maj=9.1,5km s-min=19.3km az=154.0, NEIC 03 07:25:34.2, 1.6, 20.9S, 0.2-168.9E, 0.1, 1h0km, 1km, mb4.7/25, Error ellipse: s-maj=29.6km s-min=11.9km az=155.0

ISC 03 07:25:36.3, 0.6, 20.98S, 0.07-168.95E, 0.08, h25km, n68, r=124/46, mb4.7/16, MS3.7/22, Loyalty Islands

Main table with columns: Code, Station Name, Az, El, Pn, Pn, Time Res, etc. Lists numerous stations including MARNC Mare, Loyalty, YATNC Mamie plateau, OUCNC Ouen L'Isle, etc.

2018 DEC

Table with columns: ANMO Albuquerque, F31M Tsightehoch, TXAR Lajitas Arr, C36M Paulatuk, EKA Eskdalemuir Arr, etc.

IDC 03 07:34:46.7, 1.2, 26.63N, 129.49E, h0km, mb3.5/5, s-minp3.6,ML3.6/1,MS2.2/1, Error ellipse: s-maj=25.1km s-minp=17.8km az=62.0
JMA 03 07:34:49.2, 0.6, 27.7N, 0.6-129.7E, 0.5, h48km, MV3.7/20, NEAR OKINAWAJIMA ISLAND
ISC 03 07:34:47.1, 1.4, 26.74N, 0.04-129.67E, 0.03, h12km, 10km, n23, r=13/36, mb3.7/5, Ryukyu Islands

Table with columns: Code, Station Name, Az, El, Pn, Pn, Time Res, etc. Lists stations like JYRO Yoronjima, JOKE Okinocerabujima, JTK Tokunoshima, etc.

NEIC 03 07:40:45.6, 1.0, 61.36N, 0.02-150.05W, 0.05, h38km, 4km, Error ellipse: s-maj=3.4km s-min=2.9km az=49.0
AEIC 03 07:40:46.1, 0.9, 61.36N, 0.02-150.01W, 0.05, h40km, 4km, ML3.1, ML3.2/198(NEIC), Error ellipse: s-maj=3.5km s-min=3.3km az=72.0
IDC 03 07:40:47.4, 3.2, 61.26N, 148.57W, h0km, mb3.2/1, mbmp3.1/3, ML3.0/2, Error ellipse: s-maj=44.5km s-min=19.6km az=63.0
ISC 03 07:40:45.7, 1.4, 61.35N, 0.04-150.05W, 0.03, h36km, 1km, n186, r=073/194, Southern Alaska

Main table with columns: Code, Station Name, Az, El, Pn, Pn, Time Res, etc. Lists stations like RC01 Rabbit Creek A, RC01 Alice Springs, WRA Warramunga Arr, etc.

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Main table with columns: WATB Susitna Watana, BRSE Bradley Lake S, BRKE Sprole Mountain, FID Fort Fidalgo, etc. Lists numerous stations across the right side of the page.

Table with columns: JNU, Station Name, Azimuth, Phase, Time, and other parameters. Includes stations like Nakatsue, Marumori, Korea Array, etc.

BUJ 03 08:15:15.3, 40.78N; 141.52E, h105km, mb4.9/59, mB4.9/15
MOS 03 08:15:16.2, 0.9, 40.91N; 141.40E, h97km, mb4.6/41, Error ellipse: s-maj=6.5km s-min=4.5km az=90.9
NIED 03 08:15:17.4, 40.87N; 141.42E, h87km, MW4.5, Moment Tensor Solution. s3 Moment tensor: Scale 10^15Nm; Mn:1.45; Mw:1.85; Ms:3.30; Mz:2.07; Mo:5.95; Mr:2.69; Fault plane solution: Mw:42000x10^15 Np: q1:72.00000; s76.00000; t26.00000. NP2:q75.00000; s64.00000; t165.00000.
NEIC 03 08:15:17.7, 40.90N; 141.38E, h89km
IDC 03 08:15:17.6, 1.4, 40.83N; 141.38E, h94km; 11km, mb4.2/30, mbtmp4.6/36, MS3.2/19, Error ellipse: s-maj=12.1km s-min=9.7km az=127.0
JMA 03 08:15:17.4, 0.1, 40.9N; 0.3; 141.4E; 0.7, h87km, MD4.6/38, MW4.6/38, SHIMOKITA PENINSULA REG
JMA Feil III J1 at SHIMOKITA PENINSULA REG
NEIC 03 08:15:17.2, 2.3, 40.84N; 0.0; 141.51E; 0.1, h84km; 5km, mb4.0/249, Mw4.6/13, Error ellipse: s-maj=11.8km s-min=7.6km az=123.0, Moment Tensor Solution. Moment tensor: Scale 10^15Nm; Mn:1.90; Ms:2.62; Mw:4.52; Mz:2.19; Mo:7.09; Mr:2.92; Fault plane solution: Mw:8.89000x10^15 Np1:q1:169.78000; s76.86000; t24.97000. NP2:q73.73000; s65.72000; t165.56000. Principal axes: T 8.7062, Plg27.0000, Azm34.0000; N 0.3536, Plg62.0000, Azm196.0000; P -9.0598, Plg7.0000, Azm300.0000.

Table with columns: Code, Station Name, Azimuth, Phase, Time, and other parameters. Includes stations like JARK, JTM, JAH, etc.

Main table with columns: Station Name, Azimuth, Phase, Time, and other parameters. Includes stations like JKB, JKW, JMW, JNTW, JSZI, etc.

Table with columns: Station Name, Azimuth, Phase, Time, and other parameters. Includes stations like USA0B, USR0K, JKA, NACB, etc.

3d 8h

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Table with 15 columns: Station ID, Name, Frequency, Power, Mode, and various numerical data points. Rows include stations like SCM, G25K, F25K, H25L, C26K, PRP, K24K, M24K, J25K, BMAR, PAX, KLU, KLU, KLU, F26K, KDJ, C27K, Q23K, RIDG, HARP, G26K, SCRK, SCRK, N25K, J26L, BMRM, MENT, TKM2, E27K, E27K, L26K, L26K, BVAR, BVAR, GLB, GLB, D27M, D27M, BRVK, BRVK, G27K, M26K, H27K, VRDI, VRDI, I27K, K27K, K27K, MCARA, MCARA, MCARA, USP, CRQE, EGAK, L27K, BCAR, E28M, F28M, F28M, F28M, AAK, AAK, AAK, AAK, AAK, AAK, AAK, AAK, D28M, KSH, I28M, GRNC, BVCY, EK52, E29M, CTG, AML, G29M, H29M, DAWY, YUK3, KAPI.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, and other parameters. Includes stations like FCC, HFS, NB2, NOA, UOSS, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, and other parameters. Includes stations like MOTA Moosalm, RETA Reutte, SQTA Sankt, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, and other parameters. Includes stations like mb4.5/18, Error ellipse: s-maj=16.3km, etc.

Table of station data including call signs (e.g., PACN, CNGA, MACN), station names, frequencies, and other technical details for stations in the 3d 9h region.

Table of station data including call signs (e.g., TXAR, FW07, ATAH), station names, frequencies, and other technical details for stations in the 2018 DEC region.

Table of station data including call signs (e.g., CMAP, NEIC, IDC), station names, frequencies, and other technical details for stations in the 09 27 12.8 -0.9 region.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes entries for Clear Creek Bu, ELAR Eielson Array, YHL Hebgen Lake, PDAR Pinedale Array, BKNI Mangkinang, MAW Bangkong, HHC Hu-ho-hao-te, YAK Yakutsk, YKA Yellowknife, PZH PanZhiHua, CMAR Chiang Mai Arr, ELIB Princess Elisa, LZH Lanzhou, SONM Sogino Array, ARCES ARCESS Array B, FINES FINESS Array B, HFS Hagfors, KHC Kasperske Hory, BRTR Keskin Array B, GCRS Cesky Krumlov, GERES GERES Array B, CONA Conrad Observa, RONA Rosalia, AUSTR Austria, BIOA Bad Ischl, LESA Schwarzeleotl, WTTA Wattenberg, SOKA Soboth, SOTA Sant Quirin, DAVA Damules, OBKA Obir, FETA Feichten, MYKA Terra Mystica, ABTA Abfaltersbach, ESDC Sonseca Array.

IDC 03 09:51:21.9;2.5,53.79N;87.23E, h0km, mbmtp3.0/2, ML2.6/2, Error ellipse: s-maj=22.3km s-min=14.6km az=71.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes entries for I46RU Zalesovo INFRA, ZALV Zalesovo Beam, ZALV Kurchatov Arra, KURBB Kurchatov Arra, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array.

TRN 03 09:57:31.3, 11:37N;62:05W, h134km, MD2.9, North of the Paria peninsula.

FUNV 03 09:57:33.1, 11:40N;62:39W, h22km, MW3.2

ISC 03 09:57:27.2, 1.1, 1.30N;03:06, 62.24W, 0.07, h147km, 1.9km, n14, c1=190/26, 3C, Windward Islands

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes entries for GRFF Grenada Fort F, PSOV Port of Spain, GRGR Grenville, PSGH Port of Spain, GRW Mount Saint Ca, GRHS Sauteres, TRN Trinidad of, GRSS Sisters, GCMP Grenada, Carri, TOSP Speyside, PCRV Puerto La Cruz, BENV Belin, CACV CAICARA DEL OR, BAUV El Baul.

IDC 03 10:14:26.6;2.9, 13:37N;80:49W, h0km, mb3.4/4, mbmtp3.4/4, MS3.3/19, Error ellipse: s-maj=11.9km s-min=40.8km az=70.0

RSNC 03 10:14:28.4;0.0, 13:1N;1:8'1W, h4km, 3km, M3.6, mb4.3, ML3.6

CATAC 03 10:14:28.9;0.3, 13:27N;81:08W, h8km, 2km, MB4.8, mb4.3, ML4.4

UCR 03 10:14:28.8;0.8, 13:13N;81:09W, h0km, 92km, MW4.4

ISC 03 10:14:26.9;1.6, 13:18N;04:80.97W;0.03, h0km, 10km, n64, c1=177/3, mb3.3/4, MS3.3/15, Caribbean Sea

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes entries for PRVC Isla de Provid, PRVC Isla de Provid.

Main table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes entries for PRVC Isla de Provid, RNCRC Cayo Roncador, RNCRC Cayo Roncador, SAIC Isla e San And, SAIC Isla e San And, SERC Banco Serrana, SERC Banco Serrana, BILN Bilvi Airport, BLUN Bluefields, BLUN Bluefields, ESPN Las Esperanzas, ESPN Las Esperanzas, TRT2 Tortugero, BCIP Isla Barro Col, BCIP Isla Barro Col, COVE Coope Vega, COVE Coope Vega, CVTV Tajo, RAFA San Farael, RAFA San Farael, VICA Volcano Irazu, VICA Acopya, ACON Acopya, ACON Acopya, CVIMO Finca Echanti, CVIMO Zanguenga, Cho, HDC Heredia, HDC Heredia, LCR2 La Lucha 2, ABEZ San Pablo, EDZ Potrero Grande, BRUZ Volcan, TRB2 Turubares, OCHAL Ojochal, OCHAL Ojochal, JTS Las Juntas de, JTS Las Juntas de, EDAD Golfito, RCVN Varilla2, RCVN Varilla2, LIMN Finca el Limon, LIMN Finca el Limon, GMAL Guarumal, GMAL Guarumal, AZU Azuero, AZU Azuero, CAPC Capurgana, CAPC Capurgana, MTJD Mount Denham, ROSC El Rosal, SDV Santo Domingo, CMIG Matias Romero, TXAR Lajas Array, TXAR Lajas Array, MDP Montagnes Des, LPIG La Paz, ANMO Albuquerque, SIV San Ignacio, PFO Pinyon Flats O, PDAR Pinedale Array, ELK Elko, NVAR Mina Array Bea, NVAR Mina Array Bea, BDBF Brasilia, YBH Yreka Blue Hor, RCBR Riachuelo, RPN Rapa Nui, DLBC Dease Lake, ILAR Eielson Array, MDT Midelt, ASAR Alice Springs, WRA Warramunga Arr.

HEL 03 10:20:20.5;0.1, 60:29N;25:45E, h0km, ML0.8, Explosion, Finland

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes entries for Pernaia, Metsahovi, Virojoki, FINESS Array S, FINESS Array S, FINESS Array S.

EST 03 10:21:11.3;0.1, 59.43N;24:83E, h0km, ML0.9(HEL), Explosion, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes entries for EEO2 Kiisa, Saku, EEO2 Perakula, Nova, EEO1 Sarghaua, Vand, EEO8 Matsuhovi, MTSE Matsula, MTSE Nurmijarvi, EEO6 Soera, Palade, PVF Pernaia, PVF Pernaia, Virojoki, FINESS Array S, FINESS Array S, FINESS Array S, RAA Aland, RAA Aland, KPF Kankaanpaa, KPF Kankaanpaa.

NEIC 03 10:30:34.6;1.0, 61:48N;0:03:149:98W;0:05, h49km, 6km, Error ellipse: s-maj=4.6km s-min=3.5km az=171.0

IDC 03 10:34:21.4, 61:38N;160:18W, h61km, 16km, mb3.4/5, mbmtp3.5/9, Error ellipse: s-maj=23.7km s-min=9.3km az=111.0

AEIC 03 10:30:35.1;1.0, 61:48N;0:03:150:01W;0:04, h41km, 5km, ML3.5, ML3.6/170(NEIC), Error ellipse: s-maj=4.6km s-min=2.4km az=190.0

ISC 03 10:30:34.2;0.8, 61:46N;0:03:149:98W;0:02, h52km, 6km, n126, c1=103/110, mb3.9/5, Southern Alaska

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes entries for M22K Willow, M22K Willow, M22K Willow, SUSITNA Susitna One, SUSITNA Susitna One, SUSITNA Susitna One, RABBIT RABBIT CREEK A, RABBIT RABBIT CREEK A, RABBIT RABBIT CREEK A, GHO Glory Hole Cre, GHO Glory Hole Cre, KNK Knik Glacier, KNK Knik Glacier, KNK Knik Glacier, SML Sawmill, SML Sawmill, SML Sawmill, STLK Strandline Lake, STLK Strandline Lake, CAPN Captain Cook N, CAPN Captain Cook N, SKT Skwentna, SKT Skwentna, SKT Skwentna, CUT Chulitna, CUT Chulitna, SLKM Skilak Lake, SLKM Skilak Lake, O22K Cooper Landing, O22K Cooper Landing, SPURR Spurr Capps GI, SPURR Spurr Capps GI, PWL Port Wells, PWL Port Wells, M23K Glacier View, M23K Glacier View, SCM Sheep Creek Mo, SCM Sheep Creek Mo, RDT Redoubt, RDT Redoubt, GLI Glacier Island, GLI Glacier Island, GLI Glacier Island, WAT1 Susitna Watana, WAT1 Susitna Watana, WAT6 Susitna Watana, WAT6 Susitna Watana, M20K Styx River, M20K Styx River, BRK Bradley Lake, BRK Bradley Lake, BRK Bradley Lake.

ISC 03 10:30:34.2;0.8, 61:46N;0:03:149:98W;0:02, h52km, 6km, n126, c1=103/110, mb3.9/5, Southern Alaska

ISC 03 10:30:34.2;0.8, 61:46N;0:03:149:98W;0:02, h52km, 6km, n126, c1=103/110, mb3.9/5, Southern Alaska

ISC 03 10:30:34.2;0.8, 61:46N;0:03:149:98W;0:02, h52km, 6km, n126, c1=103/110, mb3.9/5, Southern Alaska

ISC 03 10:30:34.2;0.8, 61:46N;0:03:149:98W;0:02, h52km, 6km, n126, c1=103/110, mb3.9/5, Southern Alaska

ISC 03 10:30:34.2;0.8, 61:46N;0:03:149:98W;0:02, h52km, 6km, n126, c1=103/110, mb3.9/5, Southern Alaska

ISC 03 10:30:34.2;0.8, 61:46N;0:03:149:98W;0:02, h52km, 6km, n126, c1=103/110, mb3.9/5, Southern Alaska

ISC 03 10:30:34.2;0.8, 61:46N;0:03:149:98W;0:02, h52km, 6km, n126, c1=103/110, mb3.9/5, Southern Alaska

ISC 03 10:30:34.2;0.8, 61:46N;0:03:149:98W;0:02, h52km, 6km, n126, c1=103/110, mb3.9/5, Southern Alaska

ISC 03 10:30:34.2;0.8, 61:46N;0:03:149:98W;0:02, h52km, 6km, n126, c1=103/110, mb3.9/5, Southern Alaska

ISC 03 10:30:34.2;0.8, 61:46N;0:03:149:98W;0:02, h52km, 6km, n126, c1=103/110, mb3.9/5, Southern Alaska

ISC 03 10:30:34.2;0.8, 61:46N;0:03:149:98W;0:02, h52km, 6km, n126, c1=103/110, mb3.9/5, Southern Alaska

ISC 03 10:30:34.2;0.8, 61:46N;0:03:149:98W;0:02, h52km, 6km, n126, c1=103/110, mb3.9/5, Southern Alaska

ISC 03 10:30:34.2;0.8, 61:46N;0:03:149:98W;0:02, h52km, 6km, n126, c1=103/110, mb3.9/5, Southern Alaska

ISC 03 10:30:34.2;0.8, 61:46N;0:03:149:98W;0:02, h52km, 6km, n126, c1=103/110, mb3.9/5, Southern Alaska

ISC 03 10:30:34.2;0.8, 61:46N;0:03:149:98W;0:02, h52km, 6km, n126, c1=103/110, mb3.9/5, Southern Alaska

ISC 03 10:30:34.2;0.8, 61:46N;0:03:149:98W;0:02, h52km, 6km, n126, c1=103/110, mb3.9/5, Southern Alaska

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes entries for BRK Bradley Lake, BRK Bradley Lake.

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Table with columns: ID, Name, Azimuth, Range, Status, Date, Time, etc. Includes entries like Koliganek Bris, Kodiak Island, Kvichak River, etc.

2018 DEC

Table with columns: ID, Name, Azimuth, Range, Status, Date, Time, etc. Includes entries like Tagagawik, Kuskokwak Cree, Alutna River, etc.

2d 12h

Table with columns: ID, Name, Azimuth, Range, Status, Date, Time, etc. Includes entries like Plampang, Walingup, Baungkumba, etc.

NEIC 03 12:29:31.4 ± 1.0, 61.51N, 0.02:149.93W ± 0.03, h32km, gkm, Error ellipse: s-maj=3.1km s-min=0.4km az=134.0, AEIC 03 12:29:32.1 ± 1.1, 61.50N, 0.02:149.94W ± 0.05, h42km, 5km, ML2.5, HL2.8/148(NEIC), Error ellipse: s-maj=3.6km s-min=0.5km az=146.0, Southern Alaska

Table with columns: Code, Station Name, Azimuth, Range, Status, Date, Time, etc. Includes entries like Willow, Sitka, Sitka One, etc.

IDD 03 12:23:39.5 ± 2.6, 7.32S, 119.90E, h262km, 21km, mb2.9/3, mbmp3.6/5, Error ellipse: s-maj=94.3km s-min=14.3km az=51.0, DJA 03 12:23:41.2 ± 0.4, 8°S, 6°E, h264km, 6km, M3.9/13, mb4.0/7, mb4.5/1, MLV3.9/13, Mw(mb)3.7/1, ISC 03 12:23:39.0 ± 0.9, 7.65S, 0.1:119.55E, 0.07, h250km, m24, r139/28, mb3.3/3, Flores Sea

3d 13h

Table with columns: L20K, KTH, M19K, M19K, CAST, ILS, ILSW, MCK, M19K, L19K, L19K, P19K, N25K, N25K, BPAW, K20K, BWN, GLB, N18K, N18K, O18K, O18K, WRH, WRH, WRH, NEA2, NEA2, NEA2, SYI, SYI, Q19K, HDA, HDA, MENT, L18K, CCB, CCB, J20K, M26K, M26K, COLA, MLY, MLY, IL31, M17K, J19K, N17K, N17K, I23K, SCRK, SCRK, J18K, J18K, SNH, J25K, J25K, POKR, POKR, POKR, I21K, M27K, K24K, K17K, K17K, BCAR, J26L, H23K, H23K, H21K, H21K, M16K, M16K, H24K, H24K, L16K, L16K, OHAK, IMAR, N15K, G21K, G21K, M29M

NEIC 03 12:35:08.3±1.1, 27.4S±0.1, 176.7W±0.2, h35km, 2km, mb4.3/11, Error ellipse: s-maj=35.0km s-min=13.5km az=127.0

IDC 03 12:35:14.2±4.5, 27.48S±177.19W, h67km, 36km, mb3.7/5, mbtmp4.0/5, M53.1/5, Error ellipse: s-maj=35.9km s-min=12.2km az=161.0

ISC 03 12:35:12.1±0.9, 27.44S±10.177.0W±0.1, h55km, n36, r1536/32, mb4.2/11, M53.2/3, Kermadec Islands region

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

2018 DEC

Table with columns: COEN, COEN, AS31, AS31, ASAR, ASAR, ASAR, WRO, WRO, WB2, WB2, WRA, WRA, WRO, WRO, FORT, VANDA, VANDA, KNRA, KNRA, GSPA, GSPA, KLR, KLR, MKAR, MKAR, KURBB, KURBB, BVAR, BVAR, FINES, FINES, NB2, NB2, NOA, NOA, HFS, HFS, AKASO, AKASO, MMAI, MMAI, BRTR, BRTR, DBIC, DBIC

STR 03 12:41:49.3±0.8, 50N±3.3, h0km, MLV1.8/3, Error ellipse: s-maj=0.0km s-min=0.0km az=72.3, preliminary, Germany

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

CATAC 03 13:01:33.0±0.3, 10°31'N-86°32'W, h10km, ML3.7, UCR 03 13:01:37.8±0.2, 10°45'N-86°05'W, h24km, 6km, MW4.0, ISC 03 13:01:32.7±2.4, 10°33'N-0°05'-86°26'W±0.05, h6km±16km, n47, r084/61, Off coast of Costa Rica

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

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Table with columns: COVE, COVE, ACON, ACON, ACON, MOMM, MOMM, LEVN, LEVN, HDC, HDC, CNGA, CNGA, PKGN, PKGN, RAFA, RAFA, CRIN, CRIN, CRIN, TRT2, TRT2, ESPN, ESPN, ESPN, LIMN, LIMN, OCHAL, OCHAL, POTN, POTN, CSGN, CSGN, BLUN, BLUN, BLUN, RCPN, RCPN, CNCH, CNCH, CNCH

TAP 03 13:06:02.6±25.24N-122°62'E, h188km, ML3.7, D, JMA 03 13:06:03.9±2.5, 25°25'N-122°62'E, h178km, 2km, MV3.3/19, NW OFF ISHIGAKIJA IS

ISC 03 13:06:02.1±1.4, 25.19N±0.04, 122.56E±0.03, h193km±7km, n104, r086/206, Taiwan region

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SHUL, JISG, SHILIN, WHP, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NLLB, SHB, SYMB, etc.

IDC 03 13:13:18.8, 5.4, 16.415x174.63W, h0km, mb3.9/4, mbtmp4.0/4, MS3.6/1, Error ellipse: s-maj=110.0km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DZM, URZ, STKA, etc.

IDC 03 13:20:04.5, 1.6, 22.293x171.55E, h0km, mb3.9/4, mbtmp3.9/6, ML4.5/2, MS3.0/3, Error ellipse: s-maj=63.1km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PINNC, ONTM, etc.

IDC 03 13:20:09.0, 8.2, 23.05x171.61E, 0.08, h49km, n22, c094/21, mb4.0/7, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MSVF, URZ, MRZ, etc.

IDC 03 14:00:06.1, 1.7, 37.5x128.75E, h131km, NEIC 03 14:00:07.5, 7.375x128.75E, h140km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AS31, ASAR, ASAR, etc.

SOME 03 13:33:43.4, 42.62N, 86.50E, h25km, NNC 03 13:33:45.3, 1.6, 42.81N, 86.51E, h0km, mb3.8, mpv3.5

IDC 03 13:33:43.6, 2.7, 42.77N, 0.1x86.5E, 0.1, h10km, n19, c290/27, 6C, Northern Xinjiang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ZSN, DJR, etc.

PGC 03 13:10:54.9, 1.3, 49.00N, 130.06W, h10km, MLn2.8/29, Mw3.5/29, Mw3.5/29, 268km Wsw of Pt. Hardy, BC Vancouver Island, Canada Region, Vancouver Island region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NCHR, BPBE, HOLB, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ZSN, DJR, WRA, etc.

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

BJI 03 14:00:06.1, 7.750x129.10E, h160km, mb5.5/91, mb5.3/53, NEIC 03 14:00:07.5, 7.475x128.75E, h140km, Moment Tensor

Solution: Duration: 2.77, Moment Tensor: Scale 1017 Nm; Mw: 1.96, Mw-0.31, Mw-0.56, Mw-0.87, Mw-0.98, Mw-0.72; Fault plane solution: M2, 13000x1017 NP1; P: 105, 86000; S: 85, 27000; N: 169, 62000; N-0.1242, P18, 0000; Azm119, 0000; P-2.0646; Plg9, 0000; Azm212, 0000;

NEIC 03 14:00:07.5, 1.8, 7.36S, 0.07, 128.75E, 0.06, h131km, 1km, mb5.5/211, Mw5.5/35, Mw5.5/57, Error ellipse: s-maj=173.0, Moment Tensor Solution: Moment Tensor: Scale 1017 Nm; Mw: 1.96, Mw-0.31, Mw-0.56, Mw-0.87, Mw-0.98, Mw-0.72; Fault plane solution: M2, 55000x1017 NP1; P: 105, 86000; S: 85, 27000; N: 169, 62000; N-0.1242, P18, 0000; Azm119, 0000; P-2.0646; Plg9, 0000; Azm212, 0000;

NEIC 03 14:00:07.5, 7.375x128.75E, h131km, NEIC 03 14:00:07.5, 7.375x128.75E, h140km, GCMT 03 14:00:08.0, 1.7, 37.5x128.75E, h143km, Mw5.5/158, Moment Tensor Solution: s143, c245; s158, c307; Duration: 1.94, Moment Tensor: Scale 1017 Nm; Mw: 1.96, Mw-0.31, Mw-0.56, Mw-0.87, Mw-0.98, Mw-0.72; Best double couple: M2, 55000x1017 NP1; P: 105, 86000; S: 85, 27000; N: 169, 62000; N-0.1242, P18, 0000; Azm119, 0000; P-2.0646; Plg9, 0000; Azm212, 0000;

NEIC 03 14:00:08.1, 1.0, 7.26S, 128.72E, h153km, mb5.4/60, MS4.3/5, Error ellipse: s-maj=8.6km s-min=4.8km

IDC 03 14:00:09.6, 1.1, 7.37S, 128.62E, h155km, mb5.1/29, mbtmp5.5/30, MS4.3/43, Error ellipse: s-maj=11.7km s-min=8.2km az=87.0

IDC 03 14:00:08.6, 0.3, 7.43S, 0.03, 128.77E, 0.03, h153km, 2km, h153km; pP-N, n1089, c157/1109, mb5.4/232, 53C-7D, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SAUI, BNDI, AAI, etc.

3d 14h

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like WAMI Warena, PLAI Plampang, PCI Palu, etc.

2018 DEC

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like MULG Mulgathing, RABL Rabaul, QLP Quilpie, etc.

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Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like CNSH comp=Z,43nm,1.0s, CNSH comp=Z,550nm,15.2s, etc.

3d 14h

Table with columns for station code, name, frequency, power, and signal strength. Includes stations like KUU Kurly, UCH Uchtor, AAK Ala-Archa, etc.

2018 DEC

Table with columns for station code, name, frequency, power, and signal strength. Includes stations like BRVK Borovoye, SHME Shamm, UMZA Um Al Zomool, etc.

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Table with columns for station code, name, frequency, power, and signal strength. Includes stations like L15K Ungalak Mounta, M15K Kasigluk River, N15K Kweitk River, etc.

Table with columns: Station ID, Name, Date, Time, Status, Location, and Value. Includes stations like L19K White Mountain, K20K Telida, and IMAR Indian Mountain.

Table with columns: Station ID, Name, Date, Time, Status, Location, and Value. Includes stations like F22K John River, MLY Manley, and ILAR Elision Array.

Table with columns: Station ID, Name, Date, Time, Status, Location, and Value. Includes stations like F25K Christian River, GLB Gilahina Butte, and D27M Malcolm River.

3d 14h

Table with columns: Call Sign, Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like P29M, LSZ, BOSZ, etc.

2018 DEC

Table with columns: Call Sign, Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like FINES, MIBZ, LUBAR, etc.

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Table with columns: Call Sign, Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like ESDC, PAB, PAB, etc.

IDC 03 14:23:01.3, 1.2, 20.94S:69.16E, h0km, mb3.6/6, mbmp3.6/6, M53.3/1, Error ellipse: s-maj=36.6km

ISC 03 14:23:03.3, 1.0, 21.0S:02.693E, h0.2, h10km, n13, s16171, mb3.87, Mid-Indian Ridge

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like H08S1, H08S2, etc.

IDC 03 14:26:40.1, 2.9, 22.78S:179.50W, h399km, 27km, mb3.1/4, mbmp3.9/5, Error ellipse: s-maj=51.4km s-min=36.3km az=39.0

NEIC 03 14:26:50.7, 0.4, 22.9S:0.2:179.6W:0.2, h519km, 20km, mb3.1/1.4, Error ellipse: s-maj=30.8km s-min=19.5km az=66.0

ISC 03 14:26:40.6, 1.3, 22.8S:0.2:179.5W:0.2, h400km, n21, s15122, mb3.6/12, 1D, South of Fiji Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like MSVF, WHZ, etc.

3d 14h

Table with columns: ID, Name, Elevation, Azimuth, Distance, Azimuth, Distance, Azimuth, Distance, Azimuth, Distance, Azimuth, Distance. Includes entries like E22K Anaktuvuk Pass, J29N Klondike Camp, J29N Klondike Camp, etc.

2018 DEC

Table with columns: ID, Name, Elevation, Azimuth, Distance, Azimuth, Distance, Azimuth, Distance, Azimuth, Distance, Azimuth, Distance. Includes entries like H21K Melozitna River, H21K Melozitna River, WHY Whitehorse, etc.

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Table with columns: ID, Name, Elevation, Azimuth, Distance, Azimuth, Distance, Azimuth, Distance, Azimuth, Distance, Azimuth, Distance. Includes entries like ANM Nome, U33K Whale Pass, RC01 Rabbit Creek A, etc.

Table of astronomical observations for 2023, listing stations (e.g., R18K, OHAK), object names (e.g., Karluk, Old Harbor), coordinates, magnitudes, and other parameters.

Table of astronomical observations for 2018 DEC, listing stations (e.g., NJ2, Nanjing), object names (e.g., PanZhiHu), coordinates, magnitudes, and other parameters.

Table of astronomical observations for 3d 14h, listing stations (e.g., CAPN, SLKM), object names (e.g., Captain Cook N, Skilak Lake), coordinates, magnitudes, and other parameters.

3d 16h

Table with columns: RIDG, Independent Ri, 3.37 43, IAML, 14 54 33.0, J20K, Nowinta River, 3.39 328, IAML, 14 54 22.2, J20K, Nowinta River, 3.39 328, IAML, 14 54 22.4, M26K, Nabesna, AK, 3.48 70, IAML, 14 54 47.7, M26K, Nabesna, AK, 3.48 70, IAML, 14 54 47.9, L26K, Log Cabin Wild, 3.54 59, IAML, 14 54 48.2, M17K, Holtina River, 3.57 274, Pn, 14 54 44.7, M17K, Holtina River, 3.57 274, IAML, 14 54 46.4, M17K, Holtina River, 3.57 274, IAML, 14 54 53.8, N17K, Nushagak Hills, 3.60 259, Pn, 14 54 45.0, N17K, Nushagak Hills, 3.60 259, IAML, 14 54 26.6, N17K, Nushagak Hills, 3.60 259, IAML, 14 54 44.7, J19K, Poorman, 3.68 318, IAML, 14 54 45.5, J19K, Poorman, 3.68 318, IAML, 14 54 56.6, MLY, Eielson Array, 3.68 355, Pn, 14 53 46.2, ILAR, Eielson Array, 3.69 21, Pn, 14 53 47.9, ILAR, Eielson Array, 3.69 21, Sn, 14 54 37.0, KAHC, Katmai Hardscr, 3.71 225, Pn, 14 53 46.5, KIAG, Kiagna River, 3.74 94, IAML, 14 53 46.6, I23K, Minto, Yukon-K, 3.80 4, IAML, 14 54 59.1, SCRK, Sand Creek, 3.81 44, IAML, 14 54 52.1, SCRK, Sand Creek, 3.81 44, IAML, 14 54 53.5, O17K, Koliqanek Brits, 3.84 248, Pn, 14 53 48.5, J25K, Salcha River, 3.88 31, IAML, 14 54 43.6, J25K, Salcha River, 3.88 31, IAML, 14 54 44.7, POKR, Poker Plat Res, 3.93 16, IAML, 14 54 57.8, POKR, Poker Plat Res, 3.93 16, IAML, 14 55 05.0, L17K, Donlin, 4.01 285, Pn, 14 53 50.6, K17K, Iditarod, 4.12 293, Pn, 14 53 52.3, K17K, Iditarod, 4.12 293, IAML, 14 55 04.8, K17K, Iditarod, 4.12 293, IAML, 14 55 04.8, K17K, Iditarod, 4.12 293, IAML, 14 55 04.8, J26L, Joseph Creek, 4.30 40, IAML, 14 55 03.5, J26L, Joseph Creek, 4.30 40, IAML, 14 55 05.8, M16K, Timber Creek, 4.34 269, IAML, 14 55 19.8, M16K, Timber Creek, 4.34 269, IAML, 14 55 19.8, O16K, Kokwok River B, 4.38 249, Pn, 14 53 55.8, O16K, Kokwok River B, 4.38 249, IAML, 14 55 11.6, OHAK, Old Harbor, 4.49 203, Pn, 14 53 57.1, OHAK, Old Harbor, 4.49 203, IAML, 14 55 10.6, P16K, Nushagak River, 4.62 243, Pn, 14 53 59.4, J17K, VABM Dome, 4.68 300, IAML, 14 55 33.0, PLK4, Peulik 4, 4.95 223, IAML, 14 55 10.2, PLK4, Peulik 4, 4.95 223, IAML, 14 56 29.6, I26K, Coal Creek Min, 5.01 35, IAML, 14 55 33.9, N15K, Kwethluk River, 5.08 261, Pn, 14 54 05.9, N15K, Kwethluk River, 5.08 261, IAML, 14 55 35.5, N15K, Kwethluk River, 5.08 261, IAML, 14 55 38.6, M15K, Kasigluk River, 5.23 267, Pn, 14 54 07.3, EGAK, Eagle, 5.28 46, IAML, 14 55 41.5, O15K, Ungalikhtik R, 5.36 250, Pn, 14 54 09.6, L15K, Ungalikhtik R, 5.50 278, Pn, 14 54 10.9, K15K, Wolf Creek M, 5.53 285, Pn, 14 54 11.6, M14K, Bethel, 5.83 269, Pn, 14 54 15.7, N14K, Kuskokwak Cree, 5.92 261, Pn, 14 54 17.2, O14K, Tigykuaivet M, 5.98 254, Pn, 14 54 18.1, L14K, Kuka Creek, 6.09 275, Pn, 14 54 20.1, INK, Inuvik, 9.85 38, Pn, 14 55 13.7, INK, Inuvik, 9.85 38, Sn, 14 57 01.8, YKA, Yellowknife Arr, 16.66 71, Pn, 14 56 43.3, SONM, Songino Array, 55.15 307, P, 15 02 26.6, SONM, Songino Array, 55.15 307, P, 15 02 26.6

2018 DEC

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes entries for Rapa Nui, Matias Romero, Juan Fernandez, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes entries for Lefkada island, Drossia, Nydri-Lefkada, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes entries for Keri, Lithakia, Kipseli, Zakin, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes entries for Keri, Lithakia, Kipseli, Zakin, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes entries for Keri, Lithakia, Kipseli, Zakin, etc.

2018 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like RAZU, ABEZ, REPA, TAGO, TRIO, AMPA, ACOSTA, LUJAN, MERCEDES, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like WRA, ILAR, PDGK, SHLS, UZB, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like ARX, KAP, SATY, ARK, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like NAZ, AJN, MDH, ASUD, etc.

IDC 03 17:01:37.57.3.22:61S~179.63E, h0km, mb3.5/3, mbtmt3.5/3, Error ellipse: s-maj=305.7km s-min=42.5km az=148.0, South of Fiji Islands

3d 18h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FREYUNG INFRAS, I37NO, I48TN.

IDC 03 17:28:13.2.2.1, 10.91'S; 163.52'E, h0km, mb3.9/6, mbmp3.9/7, ML4.2/1, MS3.0/2, Error ellipse: s-maj=61.3km s-min=31.3km az=138.0

ISC 03 17:28:18.8.1.3, 10.8S; 02:163.3E; 0.1, h31km, n8, 0:138/8, mb3.8/6, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HNR, DZM, WRA, ASAR, CMAR, ILAR, MKAR, NRK.

IDC 03 17:31:53.8.4.0, 0.69S; 67.29E, h0km, mb3.5/5, mbmp3.5/5, MS3.4/6, Error ellipse: s-maj=105.2km s-min=37.1km az=72.0, Carlsberg Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMAR, H04N2, H04N1, H04N3, KURB, KAPI, TG, DAV, SONM, WRA, ASAR, JAY, KLR, MJAR.

RSPR 03 17:32:26.7, 18.01N; 66.63W, h18km, 1km, 5C-1D, Puerto Rico region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CELP, MLPR, CRPR, WRA, ASAR, JAY, KLR, MJAR.

IDC 03 17:43:58.0.9.0, 1.02S; 66.67E, h0km, mb3.7/4, mbmp3.7/4, MS3.5/15, Error ellipse: s-maj=285.0km s-min=33.0km az=69.0, South Indian Ocean

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KMBO, PSI, MBAR, CMAR, AAK, LBT, BOS, MKAR, TSUM, KURB, KAPI, SUR, BVAR, SONM, JOW, VRAC, WRA, ASAR.

NEIC 03 17:57:47.6.0.9, 56.00N; 0.05:153.33W; 0.09, h10km, 1km, Error ellipse: s-maj=9.0km s-min=8.0km az=227.0

IDC 03 17:57:48.9.1.1, 56.30N; 153.33W, h0km, mb4.0/15, mbmp3.9/16, ML3.3/1, Error ellipse: s-maj=23.0km s-min=15.7km az=31.0

AEIC 03 17:57:51.0.9, 56.08N; 0.05:153.40W; 0.07, h25km, 6km, ML3.3, ML3.5/48(NEIC), Error ellipse: s-maj=8.5km s-min=3.1km az=218.0

ISC 03 17:57:51.5.0.8, 56.17N; 0.06:153.42W; 0.05, h23km, n71,

2015 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SII, SII, OHAK, OHAK.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like OHAK, CHIR, CHIR, CHIR, CHIR.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PLK, PLK, PLK, KJL, PLK, ACHA, ANCK, PLK, KAHS, CNCT, SYI, SYI.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SYI, SYI, CHGN, CHGN, CHGN, AUCH, P18K, P18K, P17K, P19K, P19K, CNPM, CNPM, CNPM.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like P16K, ILS, O18K, O18K, BRLL, BRLL, BRLL, BRSE, O20K, O19K, O16K, SLKM, SLKM, N18K, N17K, S12K, S12K, PN7A, O14K, RC01, RC01, N15K, PWL, GHO, M13K, K15K, J17K, J16K, ILAR, ILAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ILAR, INK, YKA, PETK, NVAR, NRK, KSRS, ARCES, SONM, ZALV, ZALV, ARTI, KURB, BVAR, EKA, MKAR, AKASG, KBZ, KBZ, ESDC, ESDC.

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

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

NEIC 03 18:02:29.0.8, 61.53N; 0.02:149.90W; 0.04, h49km, 6km, Error ellipse: s-maj=3.9km s-min=1.8km az=144.0

AEIC 03 18:02:29.7.9, 61.52N; 0.03:149.92W; 0.05, h47km, 3km, ML2.6, ML3.0/25(NEIC), Error ellipse: s-maj=3.8km s-min=3.2km az=146.0, Southern Alaska

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like M22K, M22K, PALMER, PALMER, SUSA, SUSA, RABBIT, RABBIT, GHO, GHO, SML, SML, SKT, SKT, STLK, STLK, SLKM, SLKM, SPCG, SPCG, GCM, GCM, GLI, GLI, J20K, J20K, J20K, J20K, ILAR, ILAR.

IDC 03 18:22:06.9.1.1, 0.58S; 67.29E, h0km, mb3.9/10, mbmp3.9/10, MS3.9/45, Error ellipse: s-maj=36.3km s-min=20.1km az=43.0

GCMT 03 18:22:09.0.3, 0.69S; 0.03:67.31E; 0.03, h14km, 1km, MWA: 8/88 Moment Tensor Solution, s23.c27, s88.c12; Duration: 0 Moment tensor: Scale 10^16Nm; Mr-1.97s; 12; Mw-1.00; 08; Mw-0.96; 08; Mw-0.93; 08; Mw-0.67; 05; Mw-0.24; 19; Best double couple: M1: 82400x10^16 Np1: 318.00000, 848.00000, -85.00000. NP2: 0: 31.00000, 842.00000, -96.00000. Principal axes: T 1.6590, Plg3.0000, Azm45.0000; N 0.3250, Plg4.0000, Azm135.0000; P -1.9890, Plg85.0000, Azm276.0000; nsta1 refers to surface waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NEIC 03 18:22:09.1.1, 0.18, 0.5S; 0.2:67.38E; 0.10, h10km, 1km, mb4.4/23, Error ellipse: s-maj=28.2km s-min=10.8km az=207.0

ISC 03 18:22:10.2.1, 2.05S; 0.2:67.4E; 0.1, h19km, n78, 0:956/36, mb4.3/20, MS3.9/45, Carlsberg Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WSAR, OPO, FURI, KMBO, PSI, NIL, KBL, HRA, SHL, CMAR, CMAR, CMAR, CMAR, CMAR, CHTO, CHTO, MBAR, LSA, GAR, GAR, BTK, LEM, SLVN, MATP, WUS, WUS, EIL, KDJ, KDJ, AAK, AAK, MMAI, GNI, GNI, LBT, H04N2, H04N1, H04N3, KBZ, KBZ, KVAR, ABKAR, BR131, BR131, BRTR, MYLDM, KURBB, KURBB, KURBB, KURBB, TSUM, BVAR, BVAR, SUR, ZALV, ZALV, ZALV, BATI.

3d 19h

2018 DEC

ellipse: s-maj=8.2km s-min=5.3km az=97.7
NIED 03 19:15:18.9 39:20N:142:38E,h34km,MW4.2,Moment Tensor Solution...
Fault plane solution: M2.56000x1015 NP1.80,4.00000, 378.00000,1.85.00000...

NEIC 03 19:15:18.7 1.6 39:11N:01.05:142:42E.0.1,h26km,5km, mb4/763 Error ellipse: s-maj=12.3km s-min=7.4km az=99.0

BUI 03 19:15:18.8 39:12N:142:38E,h48km,mb4.8/35,MB4.8/10, Ms4.29,Ms7.4/110

IDC 03 19:15:22.8 1.7 39:16N:142:39E,h59km,14km,mb4.1/26, mbtmp4.4/33,MS3.7/17, Error ellipse: s-maj=14.8km s-min=8.9km az=111.0

ISC 03 19:15:19.8 0.5,39:15N:104:142:50E.0.04,h35km,1km, n255,0159/227,mb4.6/84,MS3.8/16,29C-15D,Near east coast of eastern Honshu

Table with columns: YSS, Pn, S, etc. for stations like Yuzhno-Sakhalii, Monobe, Ussuriysk Arra, etc.

Table with columns: JMN, Monobe, Ussuriysk Arra, etc. for stations like Monobe, Ussuriysk Arra, Ussuriysk Ar.

Table with columns: USRK, Ussuriysk Ar., etc. for stations like Ussuriysk Ar., Ussuriysk Ar., Ussuriysk Ar.

Table with columns: USRK, Ussuriysk Ar., etc. for stations like Ussuriysk Ar., Ussuriysk Ar., Ussuriysk Ar.

Table with columns: USRK, Ussuriysk Ar., etc. for stations like Ussuriysk Ar., Ussuriysk Ar., Ussuriysk Ar.

Table with columns: USRK, Ussuriysk Ar., etc. for stations like Ussuriysk Ar., Ussuriysk Ar., Ussuriysk Ar.

Table with columns: USRK, Ussuriysk Ar., etc. for stations like Ussuriysk Ar., Ussuriysk Ar., Ussuriysk Ar.

Table with columns: USRK, Ussuriysk Ar., etc. for stations like Ussuriysk Ar., Ussuriysk Ar., Ussuriysk Ar.

Table with columns: USRK, Ussuriysk Ar., etc. for stations like Ussuriysk Ar., Ussuriysk Ar., Ussuriysk Ar.

Table with columns: TNCH, comp=Z,160nm,14.1s, LR, LR, LR

Table with columns: ZAAO, Zalesovo Array, 41.16 311 Iamb, Iamb, 19 23 00.7

Table with columns: ZALV, Zalesovo Beam, 41.16 311 P, P, 19 22 59.3 -1.1

Table with columns: ZALV, Zalesovo Beam, 41.16 311 P, P, 19 23 00.1 -0.3

Table with columns: ZALV, Zalesovo Beam, 41.16 311 P, P, 19 24 59.2 +0.1

Table with columns: ZALV, Zalesovo Beam, 41.16 311 P, P, 19 23 47.8

Table with columns: ZALV, Zalesovo Beam, 41.16 311 P, P, 19 23 05.4 -1.5

Table with columns: ZALV, Zalesovo Beam, 41.16 311 P, P, 19 23 12.3 -0.9

Table with columns: ZALV, Zalesovo Beam, 41.16 311 P, P, 19 23 12.3 -0.9

Table with columns: YKA, Yellowknife Ar, 61.55 31 P, 19 25 34.0 +1.1, etc. Includes various station codes and frequencies.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes station names like Pacitan, Pagerwojo, Gumukmas, etc.

Table with columns: BNX, BinXian, 57.15 13 P, 19 27 45.4 -1.1, etc. Includes station names like Ulaanbaatar, Songoing Array, etc.

BUJ 03 19:18:00.0, 9.805x111.80E, h10km, mb4.8/34, mb5.1/9
NEIC 03 19:18:00.7, 1.6, 9.775:0.05x111.86E:0.06, h10km, 1km, mb4.7/40, Error ellipse: s-maj=11.2km s-min=6.7km

Table with columns: Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like UZB Uzynbulak, KDJ Kajisay, PDGK Podgornoye, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like KK31 Karatay Array, M22K Willow, SUA Susitna One, etc.

Table with columns: TRF, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like Thorafore Moun, RND Reindeer, DHY Denali Highway, etc.

Table with columns for station code, name, frequency, and signal strength. Includes stations like GOMU, UZB Uzynbulak, SHLS Shalkode, SBUM Sibiu, and many others.

Table with columns for station code, name, frequency, and signal strength. Includes stations like LZH Lanzhou, KIRS Kirsehir-Merke, GOF Gofitskoye, ENH Enshi, BR104 Keskin Array S, and many others.

Table with columns for station code, name, frequency, and signal strength. Includes stations like PSACI Pilbara Seismi, MMRI Maimere, BELG Belogornyye, KDI Kendari, BBSI Bau Bau, and many others.

cutoff=50s. Triangular moment-rate function
ISC 03 20:13:04.2,0.5,0.58S,0.09:67.29E,0.08,h19km,n52,
o#86/47,mb4.5/27,Carsberg Ridge

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DGAR Diego Garcia, HMDI Harinaadho, MISEV Mite Island, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NRCA Norcia, M22K Willow, etc.

Table with columns: GAVE, AML, AML. Includes station GAVE comp=N,80um,0.7s.

SJA 03 20:18:55.3,0.8,21:36S:66:60W,h242km,7km,ML3.9,
MW3.7
SCB 03 20:18:57.5,0.7,21:50S:66:70W,h226km,6km,ML3.6/3,
MW3.6,Error ellipse: s-maj=5.4km s-min=4.1km az=0.0
GUC 03 20:18:58.6,0.7,21:52S:67:19W,h245km,ML4.0
ISC 03 20:18:56.6,1.9,21:50S:00:55:66.75W,0.05,
h235km,15km,n31,o#151/50,1D,Southern Bolivia

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MOCB Mochara, YJA Yavi, AF01 San Pedro de A, etc.

NEIC 03 20:22:34.6,0.8,61:32N:0:03:149:99W,0:04,h39km,8km,
Error ellipse: s-maj=4.0km s-min=2.3km az=204.0
AEIC 03 20:22:35.7,0.9,61:30N:0:03:150:01W,0:04,h33km,7km,
ML3.4,ML3.5/188(NEIC),Error ellipse: s-maj=4.2km
s-min=2.4km az=212.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RC01 Rabbit Creek A, SJA Sunita One, etc.

Table with columns: KNK, CAPN, SKLM, O22K, STLK, STLK, STLK, PWL, PWL, PWL, SML, SML, SML, SML, SKT, SKT, SKT, SPCN, CUT, CUT, CKL, M23K, SEW, SCM, SCM, GLI, GLI, RDJH, M20K, BRLK, BRLK, BRSE, WAT7, WAT6, WAT6, WAT1, WAT1, O20K, O20K, FID, FID, HOM, HOM, CNPM, CNPM, CNPM, PPLA, PPLA, KLU, KLU, M24K, ILSW, ILSW, TRF, TRF, TRF, DHY, DHY, DHY, RND, RND, RND, M19K, EYAK, KTH, KTH, P19K, P19K, CAST, CAST, O19K, O19K, O19K, MCK, HARP, N25K, N25K, N25K, BMRM, SWV2, PAX, K20K, K20K, BPAW, BPAW, BPAW, O18K, O18K, SYI, SYI, SYI, Q20K, GLB.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like GLB, Q19K, V18K, T18K, W18K, etc.

NEIC 03 20:29:43.9-1.4, 61.51N, 0.03-149.89W, 0.05, h43km, 8km. Error ellipse: s-maj=4.0km s-min=3.1km az=163.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like M22K, P18K, T18K, W18K, etc.

NEIC 03 20:38:59.0-0.9, 61.40N, 0.02-150.04W, 0.05, h41km, 6km. Error ellipse: s-maj=3.4km s-min=1.9km az=61.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like PMR, GHO, KNO, CAPN, etc.

NEIC 03 20:39:58.0-0.9, 61.43N, 0.01-150.02W, 0.05, h43km, 5km. Error ellipse: s-maj=3.5km s-min=1.8km az=85.0

3d 20h

s-min=2.9km az=165.0
IDC 03 20:40:01.3z 1.3 61.45N:150.32W,h88km,17km,mb3.4/6,
mbmp3,6/10,Error ellipse: s-maj=32.5km s-min=9.8km
az=114.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Contains station data for Willow, Susitna One, Palmer, etc.

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Main station data table for December 2018. Columns include Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists numerous stations like Kantissha Hill, Bonanza Creek, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Contains station data for Yellowknife Ar, Songhu Array, etc.

NEIC 03 20:41:06.4z 1.2 61.53N:104.03:149.88W:0.05,h40km,8km,
Error ellipse: s-maj=4.7km s-min=3.2km az=184.0
AECIC 03 20:41:06.7z 0.8 61.49N:104.04:149.92W:0.08,h43km,6km,
ML3.3,ML3.5/72(NEIC),Error ellipse: s-maj=6.0km
s-min=4.4km az=130.0, Southern Alaska

Continuation of station data table for December 2018, covering stations from Yellowknife Ar to Roundabout Mts.

Table listing station names (e.g., I23K, POKR), coordinates, and other identifiers.

ICC 03 21:05:14.4-1.7, 1.67S:115:33E, h0km, mb3.57, mbmp3.5/8, ML3.4/1, MS2.9/2, Error ellipse: s-maj=128.0km s-min=17.9km az=55.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists various stations like MTKI, BKB, SMK, etc.

NOU 03 21:10:46.9, 39.94S:176:83E, h55km, MLV3.5/6, North Island, New Zealand. WEL 03 21:10:47.0-0.3, 40.52S:177:7E, h27km, 2km, M3.7/31, ML4.0/31, MLV3.7/31, Error ellipse: s-maj=4.2km s-min=2.4km az=113.3, confirmed

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations from PXZ to COVZ.

Main table listing station names (e.g., KRKZ, TMWZ, WTVZ, etc.), coordinates, and other identifiers.

WRA Warramunga Arr 41.49 286 P P 21 18 30.1 +0.1

THE 03 21:15:32.1, 37.57N:20:64E, h9km, 1km, ML3.0/8, Error ellipse: s-maj=1.9km s-min=0.8km az=43.0. ATH 03 21:15:32.7, 37.62N:20:63E, h14km, 1km, ML2.9/8, Error ellipse: s-maj=2.2km s-min=0.8km az=45.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations from KRI1 to DRO.

Table listing station names (e.g., DRO, DRO, DRO), coordinates, and other identifiers.

ICC 03 21:18:44.1-1.6, 22.00S:68:80E, h0km, mb3.77, mbmp3.77, MS2.2/2, Error ellipse: s-maj=49.5km s-min=27.5km az=37.0

ICC 03 21:18:47.2+1.6, 22.11S:0:36:88E, h19km, n14, s1047, mb3.87, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like H08S1, H08S2, etc.

SJA 03 21:20:09.9-0.8, 31.37S:68:52W, h107km, 2km, ML2.9, MW3.1. GUC 03 21:20:10.7-0.7, 31.41S:68:64W, h130km, ML3.6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations from RTLL to ZALV.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations from RTRV to CO04.

mbmp4.1/14,ML3.6/1,Error ellipse: s-maj=85.6km s-min=14.6km az=81.0 NEIC 03 21:55:12.1 1.6, 17.95N,0.10:147.1E:0.2,h35km,1km, mb4.4/15,Error ellipse: s-maj=31.5km s-min=14.5km az=73.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Matsushiro Arr, Chichijima, Kuroka, Warramunga Arr, etc.

IDC 03 21:58:43.2-4.2, 16.32S,176.42W,h400km,30km, mb2.9/4,mbtmp3.7/5,Error ellipse: s-maj=141.3km s-min=24.8km az=146.0,Fiji Islands region

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Anvik River, Makanchi Arr, Shuyak Island, etc.

IDC 03 22:11:52.0 1.6, 9.55S, 111.91E, h0km, mb3.7/7, Error ellipse: s-maj=69.2km s-min=19.3km az=52.0

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

BUI 03 22:27:49.6, 1.74N, 126.49E, h66km, mb5.1/14, mb4.6/45 DJA 03 22:27:49.1, 0.3, 2.1N, 127.7E, h10km, M4.7/13, mb4.8/3, mb4.8/2, MLV4.6/13, Mw(MB)4.0/2

NEIC 03 22:27:51.3, 2.4, 2.01N, 102.08E, h39km, 5km, mb4.8/61, Error ellipse: s-maj=12.1km s-min=8.6km az=213.0

IDC 03 22:27:51.0, 3.3, 2.02N, 126.44E, h39km, 27km, mb4.2/27, mbtmp4.4/27, MS3.4/13, Error ellipse: s-maj=22.7km s-min=9.8km az=74.0

IDC 03 22:27:51.0, 2.0, 2.08N, 104.126E, h0.06, h41km, 5km, N148.0, s1818/150, mb4.7/64, MS3.3/11, 1C-1D, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Ternate, Ternate, SGSI, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JOW, Alice Springs, ASAR, etc.

Table with columns for station name, code, frequency, and other technical details. Includes stations like KURK, SIMJ, BRVK, etc.

GCG 03 22:37:20.2±0.4, 0.166N, 88°17'W, h17km, MD3.8
CATAC 03 22:37:58.5±0.5, 13.06N, 89°71'W, h8km, 3km, ML3.6

Table with columns for Code, Station Name, Frequency, and other technical details. Includes stations like LALI, JAYA, PMON, etc.

Table with columns for station name, code, frequency, and other technical details. Includes stations like NUBE, LFRS, UDBS, etc.

NEIC 03 22:44:56.3±0.8, 33°48'N, 0°00'6.116°806'W, 0°00', h3km, 1km, Error ellipse: s-maj=1.0km s-min=0.7km az=223.0

PAS 03 22:44:56.9±0.9, 33°49'N, 0°00'6.116°804'W, 0°00', h2km, 2km, ML3.1/221, ML3.0/34(NEIC), Error ellipse: s-maj=1.0km s-min=0.8km az=124.0, Southern California

Table with columns for Code, Station Name, Frequency, and other technical details. Includes stations like CRY, BZNA, DNR, etc.

Table with columns for station name, code, frequency, and other technical details. Includes stations like BBRC, CTW, MIRA, etc.

IDC 03 22:46:38.2±1.2, 34°64'N, 24°99'E, h0km, mb3.4/4, mbmp3.5/9, ML3.4/5, Error ellipse: s-maj=31.9km s-min=19.4km az=156.0

ISK 03 22:46:41.2, 34°46'N, 24°95'E, h2km, ML3.4/8, THE 03 22:46:43.3, 34°70'N, 24°98'E, h9km, 2km, ML3.2/4, Error ellipse: s-maj=2.5km s-min=1.0km az=344.0

ATH 03 22:46:43.2, 34°79'N, 24°95'E, h40km, 4km, ML3.3/4, Error ellipse: s-maj=5.4km s-min=1.4km az=359.0

AFAD 03 22:46:47.0±0.4, 34°70'N, 25°72'E, h0km, ML2.5, Gll 03 22:46:47.9±0.4, 34°00'N, 25°00'E, 003:25°815'E:0°00', h1km, WWS3.2, confirmed

ISC 03 22:46:38.1±1.5, 34°44'N, 0°06'25.12E:0°03, h8km±10km, n78, c281/94, mb3.3/4, Crete

Table with columns for Code, Station Name, Frequency, and other technical details. Includes stations like TMBK, GVD, ZKR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Palaiochora Ch, Karpathos, Antikythira Is, etc.

IDL 03 22:51:22.4:3.8, 6.71S, 154.56E, h0km, mb3.4/2, mbmp3.4/2, Error ellipse: s-maj=179.4km s-min=129.0, Bougainville-Solomon Islands region

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

UPP 03 23:07:04.6:0.0, 6.717N, 20.67E, h0km, ML1.6, Unknown, Sweden

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Dunderd, Masunguaby, Laukutluis, etc.

HEL 03 23:07:58.7:0.4, 6.717N, 20.66E, h0km, ML1.1, Suspected explosion, Sweden

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ERTU, PAJU, KLF, HEF, HEF, KALU, etc.

IDL 03 23:17:31.8:4.8, 4.20N, 95.26E, h0km, mb3.5/2, mbmp3.6/4, ML3.9/2, Error ellipse: s-maj=106.3km s-min=47.5km az=74.0

IDL 03 23:17:35.2:0.5, 5.13N, 96.6E, h15km, gkm, M3.8/5, DJA 03 23:17:35.2:0.5, 5.13N, 96.6E, h15km, gkm, M3.8/5, 150142, Northern Sumatra

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MLSI, BSI, LHMI, SINSI, CMAR, H0S2, H0S3, etc.

IDL 03 23:20:56.5:1.6, 1.28N, 124.36E, h0km, mb3.3/4, mbmp3.3/4, Error ellipse: s-maj=202.3km s-min=22.5km az=64.0, Minnahas Peninsula, Sulawesi

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA, ASAR, MKAR, KURBB, etc.

IDL 03 23:45:02.0:3.2, 15.15S, 76.61W, h0km, mb3.5/1, mbmp3.6/3, ML3.8/2, MS3.3/1, Error ellipse: s-maj=86.7km s-min=33.1km az=48.0, Off coast of Peru

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ATAH, LPAZ, H03N1, H03N2, etc.

RSNC 03 23:47:08.9:0.0, 13.1N, 2.8W, h2km, 4km, M3.1, mb4.0, ML3

IDL 03 23:47:11.9:2.9, 13.24N, 81.39W, h0km, mb3.3/1, mbmp3.4/2, ML3.4/1, MS2.7/1, Error ellipse: s-maj=70.3km s-min=39.3km az=112.0

IDL 03 23:47:08.5:0.8, 13.17N, 0.05E, 81.03W, 0.04, h10km, n15, 152222, Caribbean Sea

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AZU, SJCC, SDV, TXAR, ASAR, WRA, etc.

IDL 03 23:50:05.2:0.0, 6.01N, 127.19E, h0km, mb3.5/3, mbmp3.5/3, Error ellipse: s-maj=174.5km s-min=24.4km az=66.0

DJA 03 23:50:14.0:0.6, 0.1N, 4.12E, h109km, 8km, M4.0/6, mb4.2/1, mb4.8/1, MLV3.8/6, MW(mb)4.0/1

IDL 03 23:50:13.9:1.1, 0.25N, 102.00E, 126.72E, 0.07, h100km, n8, 151810, mb3.4/3, Northern Molucca Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TNTI, LBMI, SANI, etc.

ASAR Alice Springs 24.78 164 P 0.4nm, 0.4s, baz=351, slow=11, SNR=5.7

MKAR Makanchi Array 60.41 326 P 0.3nm, 0.3s, baz=116, slow=8.1, SNR=13

NEIC 03 23:52:13.7:2.6, 22.9S, 0.1, 174.36W, 0.10, h10km, 1km, mb4.8/66, Error ellipse: s-maj=18.6km s-min=14.9km az=170.0

IDL 03 23:52:15.5:0.5, 22.66S, 175.21W, h0km, mb4.5/17, mbmp4.4/18, ML4.5/1, MS3.9/23, Error ellipse: s-maj=21.9km s-min=16.9km az=119.0

NOU 03 23:52:22.4, 22.37S, 174.37W, h90km, mb4.9/12, Tonga Islands Region

IDL 03 23:52:13.9:0.3, 22.89S, 0.06, 174.38W, 0.05, h10km, n187, 231167, mb4.8/49, MS3.8/21, 32C, 20, Tonga Islands Region

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

OUENC Ouen Island, N 17.34 268 P 0.2nm, 0.3s, baz=316, slow=21, SNR=6.4

DZM Mont Dzumak 17.74 269 P 0.6nm, 0.4s

DZM Port Dzumak 17.74 269 P 0.6nm, 0.3s, baz=82, slow=16, SNR=17

NOUC Port Laguerre 17.87 269 P 0.6nm, 0.3s, baz=179, slow=17, SNR=17

BKZ Black Stump Fm 17.99 204 P 0.6nm, 0.3s, baz=243, slow=10, SNR=6.0

MRZ Mangatainua 19.64 203 P 0.2nm, 0.3s, baz=116, slow=21, SNR=2.2

MSWZ Moikau Station 20.42 203 P 0.2nm, 0.3s, baz=333, slow=11, SNR=9.7

TUWZ Tuamarina 20.93 205 P 0.2nm, 0.3s, baz=341, slow=8.7, SNR=3.1

THZ Tophouse 21.62 207 P 0.2nm, 0.3s, baz=180, slow=5.1, SNR=5.2

DSZ Denniston Nort 22.08 208 P 0.2nm, 0.3s, baz=119, slow=18, SNR=1.4

GVZ Greta Valley S 22.59 205 P 0.2nm, 0.3s, baz=279, slow=6.4, SNR=17

LTZ Lake Taylor 22.73 206 P 0.2nm, 0.3s, baz=256, slow=7.4, SNR=16

PPT2 Papeete2 23.85 82 eS 0.2nm, 0.3s, baz=260, slow=4.2, SNR=2.1

PPT Papeete 23.85 82 LR 0.2nm, 0.3s, baz=260, slow=4.2, SNR=2.1

RPZ Rata Peaks 24.00 207 P 0.2nm, 0.3s, baz=279, slow=6.4, SNR=17

LBZ Lake Benmore 24.91 207 P 0.2nm, 0.3s, baz=279, slow=6.4, SNR=17

MLZ Mavora Lakes 26.58 208 P 0.2nm, 0.3s, baz=279, slow=6.4, SNR=17

WHZ Waverly Hill 27.07 208 P 0.2nm, 0.3s, baz=279, slow=6.4, SNR=17

TCO Charter Tower 27.99 209 P 0.2nm, 0.3s, baz=279, slow=6.4, SNR=17

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

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Bremner River, Bear Paw Mtn, Telida, Warrungunga Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRA Warrungunga Arr, ASAR Alice Springs, KSRS Korea Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WBO Warrungunga Arr, WRA Warrungunga Arr, WB2 Warrungunga Arr, etc.

NEIC 04 00:22:51.5 ± 1.3, 23.06S ± 0.06, 174.31W ± 0.09, h10km, 1km, mb4-4/15, Error ellipse: s-maj=14.9km s-min=10.1km az=72.0

KRSC 04 01:07:19.9 ± 1.8, 49.23N ± 156.77E, h51km, 33km, M13.9 SKH1:04:01:07:20.1 ± 0.0, 49.10N ± 156.30E, h47km, 33km, mb4.5/5

WBO comp=Z,3.9nm,0.8s Iamb Iamb 01 33 45.5 WRA Warrungunga Arr 24.00 118 P P 01 33 37.3 -0.8

IDC 04 00:22:55.1 ± 7.0, 22.17S ± 175.58W, h0km, mb4.1/2, mbtmp4.1/2, MS3.3/1, Error ellipse: s-maj=334.6km s-min=46.1km az=141.0

ISC 04 01:07:19.8 ± 1.5, 49.11N ± 0.11 ± 156.3E ± 0.1, h34km, n22, c1913/22, Kuril Islands

STKA comp=Z,2.6nm,0.5s Stephens Creek 35.34 133 P P 01 35 20.0 +1.4

ISC 04 00:22:54.6 ± 0.6, 23.05S ± 0.09, 174.36W ± 0.10, h35km, n30, c084/24, mb4.5/13, 5C, Tonga Islands region

Code Station Name Az AzZ Phase ID Time Res ISC SKR Severo-Kuril's 1.58 356 eP 01 07 45.7 +0.4

STKA comp=Z,3.9nm,0.8s Stephens Creek 35.34 133 P P 01 35 19.4 +0.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NIUE Niue, RAO Raoul Island, MSFV Nonsavu, etc.

Code Station Name Az AzZ Phase ID Time Res ISC SKR Severo-Kuril's 1.58 356 eS 01 08 04.3 -0.3

USKR comp=Z,1.8nm,0.7s, baz=194, slow=6.9, SNR=4.2 Ussuriysk Arr 56.58 17 P P 01 38 06.4 +0.6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BBOO Buckleboo, ASAR Alice Springs, FORT Forrest, etc.

Code Station Name Az AzZ Phase ID Time Res ISC PAU Pauzhetka 2.38 8 eP 01 08 24.2 -0.2

CASY comp=Z,4.9nm,0.8s Casey 56.60 181 P P 01 38 07.2 +1.6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PETK Petropavlovsk-Gold Mountain, TROLL Troll, SNAA Snaa, etc.

Code Station Name Az AzZ Phase ID Time Res ISC PAU Pauzhetka 2.38 8 eP 01 08 24.2 -0.2

MK31 comp=Z,4.7nm,1.5s Makanchi Array 62.05 337 P Iamb Iamb 01 38 43.6 -0.1

NEIC 04 00:24:23.4 ± 2.7, 7.27S ± 0.07, 129.07E ± 0.05, h149km, 20km, mb4.2/5, Error ellipse: s-maj=10.9km s-min=6.3km az=153.0

Code Station Name Az AzZ Phase ID Time Res ISC KDR Khodutka, Kamc 2.93 22 eP 01 08 04.8 +0.9

MJAR comp=Z,1.8nm,0.7s, baz=168, slow=7.5, SNR=6.7 Matushiro Arr 52.16 27 P P 01 37 32.7 -1.1

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, VNA1 Neumayer-Stat, etc.

Code Station Name Az AzZ Phase ID Time Res ISC KDR Khodutka, Kamc 2.93 22 eP 01 08 04.8 +0.9

ZALV comp=Z,0.9nm,0.5s, baz=159, slow=7.4, SNR=2.2 Zalesovo Beam 67.33 343 P P 01 39 18.2 +0.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SAUI Saumlaki, SOEI Soe, FAKI Fak Fak, etc.

Code Station Name Az AzZ Phase ID Time Res ISC ASAK Asacha 3.43 17 eP 01 08 12.1 +1.2

BVAR comp=Z,0.4nm,0.6s Borovoye Array 71.69 335 P P 01 39 45.2 +0.2

Code Station Name Az AzZ Phase ID Time Res ISC MTRV Mutnovka 3.58 19 eP 01 08 14.3 +1.3

ABKAR comp=Z,4.8nm,0.8s Abkarak array 74.15 328 P P 01 39 59.0 -0.5

Code Station Name Az AzZ Phase ID Time Res ISC GRL Gorelyy 3.62 17 eP 01 08 14.8 +1.2

BRTR comp=Z,0.8nm,0.8s Keskin Array B 87.16 311 P P 01 41 09.7 0.0

Code Station Name Az AzZ Phase ID Time Res ISC DALK Dalky 4.22 21 eP 01 08 23.2

UCR 04 01:56:57.9 ± 1.1, 11.06N ± 85.25W, h234km, 5km, MW3.5 CATIC 04 01:56:57.9 ± 1.1, 11.01N ± 85.21W, h206km, 3km, MB4.9, mb3.9, ML3.5

Code Station Name Az AzZ Phase ID Time Res ISC UGLR Uglovaya 4.40 20 eP 01 08 25.6 +1.4

Code Station Name Az AzZ Phase ID Time Res ISC VORI VORI 0.23 216 eS 01 56 26.6 +0.1

Code Station Name Az AzZ Phase ID Time Res ISC AVH Avhaya 4.43 19 eP 01 08 26.3 +1.6

Code Station Name Az AzZ Phase ID Time Res ISC VRE La Escondida, 0.27 216 eS 01 56 29.2 -0.2

Code Station Name Az AzZ Phase ID Time Res ISC KOK Koryaka 4.44 18 eP 01 08 26.3 +1.5

Code Station Name Az AzZ Phase ID Time Res ISC GPSZ Hotel Rincon d 0.29 209 eP 01 56 29.1 -0.4

Code Station Name Az AzZ Phase ID Time Res ISC SMAR Smaur 4.45 20 eP 01 08 26.7 +1.4

Code Station Name Az AzZ Phase ID Time Res ISC COLC Colonia 0.34 180 eP 01 56 29.1 -0.5

Code Station Name Az AzZ Phase ID Time Res ISC KRER Koryakskii 4.47 19 eP 01 08 26.7 +1.4

Code Station Name Az AzZ Phase ID Time Res ISC CUI Cuipilapa 0.35 173 eS 01 56 29.2 -0.2

Code Station Name Az AzZ Phase ID Time Res ISC KRX Arik 4.50 18 eP 01 08 26.8 +1.1

Code Station Name Az AzZ Phase ID Time Res ISC CARN Rivas 0.36 300 iP 01 56 29.0 -0.4

Code Station Name Az AzZ Phase ID Time Res ISC SPN Mys Shipunski 4.63 29 eP 01 08 26.2 -1.0

Code Station Name Az AzZ Phase ID Time Res ISC CARN Rivas 0.36 300 iS 01 56 29.0 -0.5

Code Station Name Az AzZ Phase ID Time Res ISC KRN Ganaly 4.71 12 eS 01 08 28.0 -0.0

Code Station Name Az AzZ Phase ID Time Res ISC CARN Rivas 0.36 300 iS 01 56 29.0 -0.5

Code Station Name Az AzZ Phase ID Time Res ISC SHO Shikotan 8.38 235 eS 01 09 19.8 +1.1

Code Station Name Az AzZ Phase ID Time Res ISC CARN Rivas 0.36 300 iS 01 56 29.0 -0.5

Code Station Name Az AzZ Phase ID Time Res ISC SKR Severo-Kuril's 2.31 354 eP 01 10 02.1 +1.2

Code Station Name Az AzZ Phase ID Time Res ISC CARN Rivas 0.36 300 iS 01 56 29.0 -0.5

Code Station Name Az AzZ Phase ID Time Res ISC PAU Pauzhetka 3.09 4 eP 01 10 30.6 +1.6

Code Station Name Az AzZ Phase ID Time Res ISC CARN Rivas 0.36 300 iS 01 56 29.0 -0.5

Code Station Name Az AzZ Phase ID Time Res ISC KDR Khodutka, Kamc 3.58 16 eP 01 10 51.2 +3.0

Code Station Name Az AzZ Phase ID Time Res ISC CARN Rivas 0.36 300 iS 01 56 29.0 -0.5

Code Station Name Az AzZ Phase ID Time Res ISC ASAK Asacha 4.10 12 eP 01 10 29.7 +4.1

Code Station Name Az AzZ Phase ID Time Res ISC CARN Rivas 0.36 300 iS 01 56 29.0 -0.5

Code Station Name Az AzZ Phase ID Time Res ISC RUS Russkaya 4.25 17 eP 01 10 31.4 +3.9

Code Station Name Az AzZ Phase ID Time Res ISC CARN Rivas 0.36 300 iS 01 56 29.0 -0.5

Code Station Name Az AzZ Phase ID Time Res ISC GRL Gorelyy 4.29 13 eS 01 11 21.9 +5.1

Code Station Name Az AzZ Phase ID Time Res ISC CARN Rivas 0.36 300 iS 01 56 29.0 -0.5

Code Station Name Az AzZ Phase ID Time Res ISC AVH Avhaya 5.09 15 eP 01 10 43.5 +4.4

Code Station Name Az AzZ Phase ID Time Res ISC CARN Rivas 0.36 300 iS 01 56 29.0 -0.5

Code Station Name Az AzZ Phase ID Time Res ISC KOK Koryaka 5.10 15 eP 01 10 45.0 +5.8

Code Station Name Az AzZ Phase ID Time Res ISC CARN Rivas 0.36 300 iS 01 56 29.0 -0.5

Code Station Name Az AzZ Phase ID Time Res ISC SMAR Smaur 5.10 16 eP 01 10 43.8 +4.4

Code Station Name Az AzZ Phase ID Time Res ISC CARN Rivas 0.36 300 iS 01 56 29.0 -0.5

Code Station Name Az AzZ Phase ID Time Res ISC SPN Mys Shipunski 5.22 24 eP 01 10 45.6 +4.8

Code Station Name Az AzZ Phase ID Time Res ISC CARN Rivas 0.36 300 iS 01 56 29.0 -0.5

Code Station Name Az AzZ Phase ID Time Res ISC DJA 04 01:27:48.6 ± 0.8, 10.10S ± 6.11E ± 1.2E ± 1.1, h10km, M4.1/8, MLV4.1/8

Code Station Name Az AzZ Phase ID Time Res ISC CARN Rivas 0.36 300 iS 01 56 29.0 -0.5

Code Station Name Az AzZ Phase ID Time Res ISC IDC 04 01:27:51.1 ± 2.7, 9.22S ± 112.17E, h0km, mb3.1/3, mbtmp3.1/3, Error ellipse: s-maj=134.1km s-min=28.1km az=47.0

Code Station Name Az AzZ Phase ID Time Res ISC CARN Rivas 0.36 300 iS 01 56 29.0 -0.5

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RAFA, LCR2, VTLA, CVTV, COPN, etc.

TAP 04 02:01:59.6, 21.73N, 122.11E, h45km, ML3.0, D JMA 04 02:00:40.0, 22.22N, 122.11E, h10km, MV3.5/11, TAIWAN REGION

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LYUB, LYAY, LAN-yu, LDUT, etc.

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TEH 04 02:06:44.4, 39.86N, 53.86E, h10km, ML3.3 ISC 04 02:06:44.4, 1.4, 40.06N, 05.8384E, 0.08, h10km, n19, c=089/18, 3C, Turkmenistan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MRVT, MHND, IGL0, IPRN, etc.

IDC 04 02:14:53.8, 1.0, 9.62S, 111.79E, h0km, mb4.1/12, mbmp4.1/13, ML4.0/1, MS3.4/6, Error ellipse: s-maj=37.2km s-min=15.0km az=48.0

DJA 04 02:14:56.2, 0.3, 10.5, 111.2E, h10km, M4.5/23, mb4.7/4, mb5.0/2, MLv4.4/23, Mw(mb)4.2/2

NEIC 04 02:14:59.3, 1.2, 9.73S, 0.08x111.75E, 0.06, h35km, 2km, mb4.4/17, Error ellipse: s-maj=14.4km s-min=10.0km az=203.0

ISC 04 02:14:58.0, 0.6, 9.87S, 0.06x111.76E, 0.05, h35km, n75, c=169/73, mb4.3/22, MS3.3/5, South of Jawa

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PCJ1, PCW1, PWJ1, etc.

CNJI Cibinong 5.24 299 P Pn 02 16 14.9 +0.9

PLAI Plampang 6.02 81 P Pn 02 16 26.2 +1.5

PLAI Plampang 6.02 81 P S 02 16 26.4 +1.7

XMIS Christmas Isla 6.05 264 P Pn 02 16 24.3 +0.8

WBO Warramunga Arr 23.96 117 P Pn 02 20 10.5 +1.2

WRA Warramunga Arr 23.97 117 P Pn 02 20 10.7 +1.2

WRAB Tennant Creek 23.98 117 P Pn 02 20 10.7 +1.2

WB1 Warramunga Arr 23.98 117 P Pn 02 20 10.9 +1.3

WRO Warramunga Arr 24.15 117 P Pn 02 20 15.2 +1.6

AS31 Alice Springs 25.20 126 P Pn 02 20 21.9 +1.2

ASAR Alice Springs 25.20 126 P Pn 02 20 22.4 +1.7

ASAR Alice Springs 25.20 126 P Pn 02 20 22.4 +1.7

FORT Forrest 25.74 146 P Pn 02 20 27.6 +2.2

OOD Oodnadatta 28.72 132 P Pn 02 20 54.4 +2.2

CMAR Chiang Mai Arr 30.86 336 P LR 02 24 54.2 +0.8

CHTO Chiang Mai 31.18 336 P Pn 02 21 13.1 -1.0

STKA Stephens Creek 35.24 133 P Pn 02 21 52.4 +3.0

4d 2h

comp=Z,39nm,18.8s,baz=84,slow=38

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MK31, MKAR, H04N2, etc.

OMAN 04 02:19:24.8, 0.9, 27.18N, 56.24E, h3km, 5km, mb4.7/2, m3.1/18, Error ellipse: s-maj=8.3km s-min=5.1km az=50.0

TEH 04 02:19:27.7, 27.18N, 56.13E, h5km, ML2.9

ISC 04 02:19:26.7, 1.4, 27.17N, 0.06, 56.16E, 0.04, h13km, 14km, n50, c=097/59, Southern Iran

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GENO, IBND, SHME, etc.

GENO Geno 0.23 2 Pg Pn 02 19 32.2 +0.5

IBND Bandar-abas 0.43 51 Pg Pn 02 19 37.2 -1.5

SHME Shamsh 1.12 181 eP Pn 02 19 46.6 -1.5

BANOM Banah 1.25 174 eP Pn 02 19 49.0 -0.9

BANOM Banah 1.25 174 P S 02 19 49.1 -0.8

KHNJ Kahnooj 1.57 60 Pg Pn 02 19 52.2 +0.4

LARI LAR 1.66 288 Pg Pn 02 19 58.2 -0.5

UMQ Umm Al-Quwin 1.70 195 P Pn 02 19 56.4 +0.3

UMQ Umm Al-Quwin 1.70 195 P S 02 19 56.7 +0.7

MASF Masafi 1.79 180 P S 02 19 57.5 +0.1

MASF Esma-Masafi 1.81 180 eP Pn 02 19 57.5 -0.1

MDH Madha 1.87 176 eP Pn 02 19 59.0 +0.5

MDH Madha 1.87 176 P Pn 02 19 58.3 -0.2

JASK Jask - Hormozg 2.01 130 P S 02 20 21.8 -0.1

JASK Jask - Hormozg 2.01 130 P Pn 02 20 20.8 +0.5

UOSS Minazif 2.22 179 eP Pn 02 20 03.0 -0.2

UOSS Minazif 2.22 179 P Pn 02 20 03.2 0.0

NAZ Nazwa, Dubai 2.22 192 P Pn 02 20 03.3 0.0

NAZ Nazwa, Dubai 2.22 192 P Pn 02 20 03.6 +0.3

FAO Al Faha, Dubai 2.47 182 P Pn 02 20 06.9 +0.2

4d 3h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Brinnon, Table Mountain, Mount Fremont, etc.

IDC 04 02:47.5:5.9, 8.62S, 124.13E, h72km, 66km, mb3.4/2, mbtmp3.6/4, ML3.7/2, Error ellipse: s-maj=60.9km s-min=36.5km az=38.0

DJA 04 02:47.49:0.9, 9.5S, 124.4E, h125km, 10km, M3.7/7, ML3.7/7

ISC 02:47:50.2:1.2, 8.8S, 0.1:123.74E:0.10, h100km, n11, az=130.0, Flores region

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

IDC 04 03:01:10.9:1.6, 30.05N:51.15E, h0km, mb3.8/8, mbtmp3.7/10, ML3.1/2, MS3.2/1, Error ellipse: s-maj=32.3km s-min=26.3km az=9.0

TEH 04 03:01:12.7, 30.05N:51.21E, h0km, 42km, ML3.3 NEIC 04 03:01:13.4:1.9, 29.96N:0.08:51.2E:0.1, h10km, 1km, mb4.3/9, Error ellipse: s-maj=18.0km s-min=11.4km az=54.0

ISC 04 03:01:12.5:0.6, 30.00N:0.04:51.23E:0.05, h10km, n50, az=172.50, mb3.9/11, Southern Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Kazzeron-Fars-I, Kater-mosalm, etc.

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Table with columns: ZALV, FINES, HFS, NOA, EKA, MTE, TOR, SOE. Includes stations like Zalesovo Beam, FINESS Array B, etc.

NEIC 04 03:11:31.3:1.4, 23.2S:0.1:180.0W:0.2, h551km, 5km, mb4.2/19, Error ellipse: s-maj=25.0km s-min=17.2km az=96.0

IDC 04 03:11:32.2:1.7, 23.20S:179.94E, h568km, 19km, mb3.3/9, mbtmp4.2/10, Error ellipse: s-maj=18.4km s-min=13.8km az=170.0

ISC 04 03:11:30.5:0.5, 23.38S:0.09:180.0E:0.1, h550km, n47, az=150.0, mb4.2/19, South of Fiji Islands

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

NEIC 04 03:29:54.7:1.5, 56.22N:0.07:161.77W:0.10, h210km, 6km, mb4.1/18, ML3.3(AEIC), Error ellipse: s-maj=11.8km s-min=5.6km az=146.0

AEIC 04 03:29:55.3:1.5, 56.19N:0.06:161.71W:0.10, h210km, 5km, Error ellipse: s-maj=9.0km s-min=7.5km az=203.0

ISC 04 03:29:55.1:0.7, 56.25N:0.09:161.66W:0.07, h204km, 8km, n143, az=89/149, Alaska Peninsula

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

Table with columns: KRI1, LTHK, Kipseli, Pessada-Kefalo, Ratzakli, Kefa, Valsamata, Valsamata, Damouliana, Damouliana-K, Kyllini, Fiskardo, Fiskardo, Riolos of Patr, Riolos of Patr, Araxos, Lefkada island, Lefkada island, Drossia, Drossia, Nydri-Lefkada, Lefkada island, Tsoukalades, Tsoukalades, Thmou, Paros, Eftalio.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Black Hills, Pavlov South-1, Pavlov North-7, Pavlov Volcano, Pavlov South-4, False Pass, Chernabura Isl, Isanotski Nort, Isanotski Laza, Westdahl Cape, Tigykauivert M, Ungalikhtluk R, Akta Akutan Strait, Akta Akutan Harbor, LVA Lava Point, ZRO Akutan Zee, AKMO Akutan Morgan, CHIR Chirikof Island, G16K Gushik River, N14K Kusokwak Cree, UNV Unalaska Vale, MSW Makushin Switc, O16K Kokwok River B, ANOK Aniakchak, MAPS Maplesh South, ACHA Alea Creek H, N15K Kwethluk River, P17K Kvichak River, KAKN Katmai Knife C, K19K Katmai, M13K Dall Lake, O17K Koliaganek Bris, KAHC Katmai Hardscr, KAHC Katmai Hook G, M14K Bethel, K16K Magazine Ridge, OKTU Okmok Mt. Tuli, OHAK Old Harbor, O17K Nushagak Hills, N18K Kuskatuk Hills, O18K Kuskatuk Hills, G17K Timber Creek, Q19K Cape Douglas, L14K Kuka Creek, KDAK Kodiak Island, N18K Kilae Creek, L15K Ungalik Mounta, M16K Timber Island, L16K Owhat River, ILS Iliamna Low So, N19K Bonanza Creek, IVE Iliamna Volcan, M18K Stony River, G15K Wolf Creek Mou, O20K Slope Mountain, RDWB Redoubt West, CNPM China Pool, J14K Navaranak Lak, BR1K Bradley Lake, M15K Gray Lake S, L19K White Mountain, SLKM Skilak Lake, SEW Seward, OZZK Cooper Landing, G17K Shear Creek Mt, RC01 Rabbit Creek A, PWL Port Wells, P23K Montague Islan, KNK Knik Glacier, CAST Castle Rocks, G18K Glacier Island, HIN Hinchinbrook I, M23K Glacier View, FID Port Fidalgo, TRF Thorofore Moun, SHEAR Shear Creek Mt, EYAK Cordova Ski Ar, BPAW Bear Paw Mtn, DIV Divina, KLU Klutina, M24K Tolsona, Glenn, MLY Mamlay, N25K Chitina, Valde, GLB Gilahina Butte, CROM Cirque, VRDI Vred Repeater, I23K Minto, Yukon-K, K15K Kuskatuk, RIDG Independent Ri, MENT Mentasta, GRNC Granite Creek.

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THE 04 03:24:39.9, 37.64N:20.38E, h10km, ML2.3/5, Error ellipse: s-maj=1.3km s-min=0.5km az=61.0

ATH 04 03:24:40.8, 37.66N:20.41E, h10km, 3km, ML2.6/6, Manual Solution by I.Dede First location: 2018/12/04 03:25:02, This location: 2019/02/18 11:36:16 ML

Amplitudes are expressed in micrometers. All distances are expressed in degrees Latitude uncertainty: 5 km; Longitude uncertainty: 5 km

ISC 04 03:24:39.6:1.9, 37.63N:0.06:20.37E:0.07, h13km, 8km, n30, az=53/47, Ionian Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KRI1, KERI.

Table with columns: KOLS, SUB, KBA, KBA, DEL, DEL, SOKA, SOKA, HOLU, WATA, WATA, OBKA, OBKA, WTTA, WTTA, MYKA, MYKA, MUKU, MOTA, ABTA, ABTA, SOTA, SOTA, MORH, MORH, FETA, FETA, DAVA, DAVA, RNPPI, PABE, RNPPI, PABE, DAVOX, DAVOX, DAVOX, DRGR, SIRR, MARR, PLIT, BZS, BURAR, MI30, CZR, HERR, AK20, AK17, AK16, AK15, AK14, AKASG, AKASG, HFS, HFS, NOA, FINES, FINES, EKA, ARCES, BVAR, YKA, YKA

IDC 04 04:48:48.8-0.19,62N;144.52E, h0km, mb3.9/11, m-bmp=20.9km az=93.0
NEIC 04 04:48:50.0-1.4, 19.57N;108.144.5E:0.2, h10km, 1km, mb4.7/18, Error ellipse: s-maj=36.3km s-min=11.0km az=105.0

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

Table with columns: C19K, STLK, B20K, H24K, H24K, C23K, C23K, ILAR, MENT, MENT, BMAR, BVAR, E28M, E28M, M29M, M29M, L29M, L29M, G31M, G31M, ABKAR, ABKAR, YKA, YKA, YKABZ, BELG, NVAR, NVAR, KBZ, FINES, MLR, VRAC, GERES, GERES

IDC 04 04:50:25.2-0.6, 54.19S; 2.20W, h0km, mb4.3/10, m-bmp=4.3/11, M4.5/38, Error ellipse: s-maj=24.8km s-min=16.8km az=65.0
NEIC 04 04:50:26.2-1.6, 54.2S; 0.1-2.1W:0.2, h10km, 1km, mb5.0/40, Error ellipse: s-maj=20.2km s-min=16.8km az=107.0

GCMT 04 04:50:30.0-2.0, 54.20S; 0.01x1.41W:0.02, h13km, 1km, MW5.1/130, Moment Tensor Solution. s55,c68; s130,c211; Duration: 0 Moment tensor: Scala 10^16Nm; Mn=-0.14z; 11; M0=2.32z; 11; M0=2.23z; 24; Mw=4.55z; 11; Mw=0.02z; 24; Best double couple: Ms=0.0810x10^16 Np1x257.00000; 890.00000; 1.77.00000; NP2x347.00000; 887.00000; 3.0.00000; Principal axes: T 5.1520, Plg22.0000; Azm12.0000; N -0.1440, Plg87.0000; Azm71.0000; P -0.5100, Plg2.0000; Azm302.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 04 04:50:26.2-0.4, 54.14S; 0.07x2.15W:0.09, h10km, n99, o589/65, mb4.9/23, MS4.6/37, 4C, Southern Mid-Atlantic Ridge

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

Table with columns: CPUP, CPUP, BOO1, BOO1, BOO4, MT16, MT09, MT09, MT01, ZON2, BDFB, BDFB, BDFB, AQDB, AQDB, COO1, COO1, AC05, AC05, RCBR, RCBR, AC06, GO02, GO02, PTLB, SIV, DBIC, DBIC, DBIC, DBIC, VILB, VILB, KIBK, KMB0, VPAC, VPAC, LPAZ, LPAZ, LPAZ, LODK, LODK, SAML, SAML, ETMB, ETMB, MAL2, MAL2, TORO, TORO, TORO, TORO, NNA, FURI, FURI, CZSB, CZSB, MDP, MDP, DGAR, ATD, H01W2, H01W3, H01W3, ATAH, TAM, VA02, NWA0, RPZ, PCR, SDV, MDT, EIL, KEST, SJG, PALK, VAE, MMAI, ESDC, ASAR, JTS, LEM, BVAR, MKAR, KURB, PDAR, YKA, YKA, MJAR, ILAR

UPA 04 04:56:10.8-2.2, 7.52N; 79.07W, h6km, 7km, MW4.5
RSCN 04 04:56:12.5-0.0, 7.7N; 1x7.9W; h33km, 10km, M2.9, mb4.0, ML2.6

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PTAC Punta Arditia, AZU Azuero, TOSI3 Tonosi, TABO3 Taboga, Panama, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JAM Amami Oshima, JINTH JINTH, JTAK Takarajima, JAGN Aguni-jima, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SATY Saty, ZHN Zhnishiske, ZHN Zhnishiske, etc.

IDC 04 05:02:10.9-0.27:80N;127:75E, h0km, mb3.7/11, mbmp3.8/14, ML3.5/3, MS3.8/31, Error ellipse: s-maj=25.3km s-min=12.3km az=69.0

HNR Honiara 48.22 136 LR comp=Z, 3.5nm, 19.8s, baz=233, slow=35

IDC 04 05:28:30.2±4.1, 10.99S×164.06E, h0km, mb3.6/3, mbmtmp3.6/3, Error ellipse: s-maj=138.0, Santa Cruz Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JOKE Okinoerabujima, JTK Tokunoshima, JIH Iheya, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HFS Hagfors, NOA NORSTAR Array B, BORG Borgames, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, etc.

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

YARS 04 05:46:54.9, 57.27N: 123.31E, h26km, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0

ISC 04 05:46:56.6, 57.27N: 123.31E, h0km, mb3.3/4, mbtp4.2/30, ML4.2/4, Error ellipse: s-maj=44.9km

ISC 04 05:46:53.4, 1.6, 57.30N: 02.123.28E, 0.03, h6km, 12km, n20, c196/51, mb3.2/4, Southeastern Siberia

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CLNS, YKLR, YKLR, etc.

MOS 04 06:06:09.9, 1.1, 34.57N: 140.44E, h45km, mb4.7/15, Error ellipse: s-maj=12.2km s-min=6.0km az=101.8

Code Station Name Az Phase ID Time Res

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BOSO, BOSO, BOSO, etc.

Code Station Name Az Phase ID Time Res

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DAV, DAV, DAV, etc.

Code Station Name Az Phase ID Time Res

4d 6h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes rows for NOA NORSTAR Array B, NVAR Mina Array Bea, BRTR Keskin Array B, etc.

IDC 04 06:16:41.7,5.8,36:22N:71.16E, h124km, mb3.3/8, mbtmp3.7/13, MS2.9/2, Error ellipse: s-maj=39.4km s-min=21.0km az=30.0

NNC 04 06:16:48.0,4.1,36:69N:70:83E, h110km, mb3.5, mpv4.1, Error ellipse: s-maj=32.5km s-min=30.0km az=24.0

ISC 04 06:16:49.1,1.1,36:69N:0:17:2E:0:1, h188km, n18, 0:191/20, mb3.5/7, 2C-20, Afghaniistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes rows for KK31 Karatay Array, AAK Aal-Archa, AAK Aal-Orba, etc.

NEIC 04 06:20:28.8,2.6,56:25S:02:124:11W:0:09, h10km, 1km, mb4.8/34, Ms_20 5.0/35, Mw5.5/16, Mw5.6/22, Error ellipse: s-maj=26.8km s-min=7.6km az=35.1, 0 Moment Tensor Solution...

NEIC 04 06:20:28.6,56:23S:123:96W, h30km, Moment Tensor Solution. Duration: 28 Moment tensor: Scale 107Nm; M1:0.20; M2:1.76; M3:1.56; M4:0.42; M5:0.24; M6:0.39;...

NEIC 04 06:20:28.6,0.7,56:13S:124:24W, h0km, mb4.0/10, mbtmp3.9/10, MS4.5/31, Error ellipse: s-maj=27.4km s-min=20.9km az=148.0

NEIC 04 06:20:30.8,56:15S:124:16W, h10km GCMT 04 06:20:36.6,0.1,55:95S:0:01:123:73W:0:01, h23km, MW5.5/146, Moment Tensor Solution. s132,c218; s146,c286; Duration: 194 Moment tensor: Scale 107 Nm;...

ISC 04 06:20:29.1,0.4,56:17S:0:08:124:27W:0:08, h10km, n110, 0:195/64, mb4.8/29, MS4.8/46, 5C-12D, Southern East Pacific Rise

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes rows for PMSA Palmer Station, RPN Rapa Nui, VNSA VNSA, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes rows for BELA, LLO4, TBI, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes rows for JTS, H01W1, H01W2, etc.

IDC 04 06:34:09.1,5.0,53:24N:90:73E, h0km, mbtmp2.6/2, ML1.9/2, Error ellipse: s-maj=46.1km s-min=25.1km az=59.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes rows for ZALV Zalesovo Beam, ZALV, etc.

NNC 04 06:47:10.9,3.7,53:43N:87:95E, h0km, mb3.6, mpv3.2, 2C-4D, Error ellipse: s-maj=30.8km s-min=28.6km az=51.0, Suspected Mining explosion, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes rows for ZAAO Zalesovo Array, ZAAO, etc.

IDC 04 06:52:55.7,2.0,2:38N:126:69E, h21km, mb5.1/40, mbtmp5.3/41, ML5.0/1, MS4.5/49, Error ellipse: s-maj=14.6km s-min=8.2km az=74.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes rows for ZAAO Zalesovo Array, ZAAO, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like JMN, ENH, MORW, FORT, COCO, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like NWAOW, HNS, WYHYH, STKA, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like MDJ, H11S3, XLT, SYDH, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like SONM, GRNR, HYB, TYV, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like YAKUTSK, MDOK, MA2, etc.

4d 6h

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like SMDO, DQM, JASK, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MORH Miry, TIR Tirane, PDG Podgorica, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ZAAO Zalesovo Array, ZAAO Zalesovo Beam, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like USRK Ussuriysk Ar., KRSR Korea Array, H1N2 WAKE ISLAND HY, etc.

IDC 04 06:59:58.2;2.4,54;09N:86.38E,h0km,mbtmp3.1/2, ML2.9/2, Error ellipse: s-maj=20.3km s-min=12.0km az=59.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

NNC 04 07:06:43.6;0.7,49;96N:78.38E,h0km,mb3.5,mpv2.8, Error ellipse: s-maj=14.7km s-min=2.8km az=90.0, Suspected Mining explosion, IDC 04 07:06:45.6;1.2,50;03N:78.71E,h0km,mbtmp2.6/2, ML1.9/2, Error ellipse: s-maj=10.5km s-min=7.7km az=56.0

ISC 04 07:06:42.4;3.3,49;98N:0.066;78.1E;0.4,h0km,n16, s=077/25, 12C-12D, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KUR07 Kurchatov Arra, KUR06 Kurchatov Arra, KUR17 Kurchatov Arra, etc.

KRSC 04 07:06:53.4;1.5,50;31N:157.19E,h31km,24km,MI4.0, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SKR Severo-Kuril's, SKR Kamadaka, PAU Pauzhetka, etc.

NEIC 04 07:35:5.1;8.611;11N:0.01;150;737W;0.0;009, h12km,7km, Error ellipse: s-maj=1.7km s-min=0.6km az=177

AEIC 04 07:36:8.2;9.611;14N:0.01;150;737W;0.02,h13km,4km, ML2.3,ML2.4/86(NEIC), Error ellipse: s-maj=2.1km s-min=1.7km az=198.0, Southern Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SUSA Susitna One, CAPN Captain Cook N, RC01 Rabbit Creek A, etc.

NNC 04 06:53:35.8;2.2,53;67N:88.29E,h0km,mb3.5,mpv3.1, Error ellipse: s-maj=19.6km s-min=14.4km az=46.0, Suspected Mining explosion, IDC 04 06:53:38.1;2.7,53;72N:88.11E,h0km,mbtmp3.2/3, ML2.5/3, Error ellipse: s-maj=23.2km s-min=14.7km az=55.0, ISC 04 06:53:36.8;3.3,53;8N:0.1;88.1E;0.2,h0km,n9,s15/25/13, 4C-4D, Southwestern Siberia

JMA 04 06:57:13.7;0.9,46;N:4.5;15.1E, h30km, MV4.8/14, KURIL ISLANDS REGION, MOS 04 06:57:14.7;0.9,46;02N:151.26E,h96km,mb4.7/1, Error ellipse: s-maj=18.4km s-min=9.9km az=145.7, SKHL 04 06:57:14.0;0.1,45;70N:151.60E,h91km,8km,mb5.1/5, msha5.9/5, IDC 04 06:57:15.5;4.5,45;89N:151.41E,h85km,44km,mb3.1/3, mbtmp3.8/7, MS3.9/1, Error ellipse: s-maj=66.6km s-min=16.6km az=140.0, ISC 04 06:57:15.1;0.9,45;74N:0.008;151.43E;0.008,h100km,n44, s=172/55,mb3.5/4,3C-1Z,Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like STLK, SKLAK Lake, Willow, Spurr Chakacha, Palmer, Redoubt, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TNTI, KMSI, SGTI, WBRB, WRA, WBA, WBE, WRD, AS31, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NATX, Z41A, Z41A, Z38A, Z38A, WLRAR, etc.

IDC 04 07:10:46.7-0.8,2.11N:126.10E, h0km, mb4.0/1.0, mbtmp4.1/11,ML4.0/1, Error ellipse: s-maj=51.2km

NEIC 04 07:14:13.8-1.7,32.35N:0.03-93.77W,0.03,h5km,2km, mb_Lg2.4/10, Error ellipse: s-maj=4.9km s-min=3.2km az=139.0, Louisiana

IDC 04 07:19:22.4+1.3,49.73N:81.48E, h0km, mbtmp2.3/2, ML2.0-1C-3D, Error ellipse: s-maj=19.0km s-min=9.5km az=53.0, Eastern Kazakhstan

Table with columns: VNFG, Fog Glacier, M, 7.22 228, Pn, 08 30 53.8 -1.0, etc. Includes stations like Whitehorse, Skagway, Kupuklearik, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like Salisbury, Guadaloupe, Bigot, etc.

TRN 04 08:29:51.2, 15:30N-61.07W, h138km, MD3.5, East of Dominica, Leeward Islands

ICD 04 08:39:47.4, 0.8, 2.27N, 126.63E, h0km, mb4.0/11, mbmp4.0/11, MS3.3/3, Error ellipse: s-maj=59.6km s-min=14.1km az=67.0

NEIC 04 08:39:52.4, 1.6, 2.54N, 108.126E, 0.1, h35km, n45, mb4.4/14, Error ellipse: s-maj=22.3km s-min=10.1km az=241.0

DJA 04 08:39:53.9, 2.4, 2.14N, 12.7E, h27km, 26km, M4.0/7, MLV4.2/7

ISC 04 08:39:53.5, 0.5, 2.15N, 0.07, 126.4E, 0.1, h35km, n45, r154/142, mb4.3/21, MS3.4/3, Northern Molouca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like Ternate, Sangihe, Cibinong, etc.

Table with columns: BBOO, Buckleboe, 35.95 166, P, 08 46 51.0 +0.1, etc. Includes stations like STKA, LZH, ARMA, etc.

ICD 04 08:40:14.8, 0.8, 13.49N, 57.22E, h0km, mb4.0/12, mbmp4.0/13, ML3.6/1, MS3.5/23, Error ellipse: s-maj=21.1km s-min=19.2km az=12.0

NEIC 04 08:40:17.4, 0.9, 13.5N, 0.1, 57.21E, 0.08, h10km, 1km, mb4.6/16, Error ellipse: s-maj=19.6km s-min=8.6km az=213.0

ISC 04 08:40:16.6, 0.6, 13.49N, 0.09, 57.2E, 0.1, h10km, n49, r084/30, mb4.1/16, MS3.5/21, Owen Fracture zone region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like Wadi Sarin, Minazif, Rayn, etc.

ICD 04 08:47.9, 0.9, 32.54 341, P, 08 46 47.9 +0.1, etc. Includes stations like Khabaz, AAK, etc.

ICD 04 08:49.0, 0.7, 32.54 341, P, 08 46 47.9 +0.1, etc. Includes stations like Keskin Array B, AKTO, etc.

ICD 04 08:49.0, 0.7, 32.54 341, P, 08 46 47.9 +0.1, etc. Includes stations like Belogoroye, BELG, etc.

ICD 04 08:49.0, 0.7, 32.54 341, P, 08 46 47.9 +0.1, etc. Includes stations like Borovoye Array, BVAR, etc.

ICD 04 08:49.0, 0.7, 32.54 341, P, 08 46 47.9 +0.1, etc. Includes stations like Kurchatov Arra, KURBB, etc.

ICD 04 08:49.0, 0.7, 32.54 341, P, 08 46 47.9 +0.1, etc. Includes stations like Malin Array Be, AKASO, etc.

ICD 04 08:49.0, 0.7, 32.54 341, P, 08 46 47.9 +0.1, etc. Includes stations like Obninsk, KIRV, etc.

ICD 04 08:49.0, 0.7, 32.54 341, P, 08 46 47.9 +0.1, etc. Includes stations like Zalesovo Beam, ZALV, etc.

Table with columns: WB0, Warramunga Arr, 82.81 112, P, 08 52 41.2 -0.6, etc. Includes stations like WRA, WB2, ASAR, etc.

CNRM 04 08:56:57.9, 36.24N, 9.29W, h6km, MLO.3, INMG 04 08:57:02.7, 1.1, 36.89N, 9.67W, h19km, 4km, ML1.9, Error ellipse: s-maj=5.4km s-min=4.4km az=47.0

IGIL 04 08:57:02.9, 36.72N, 9.68W, h19km, ML1.4, SFS 04 08:57:02.6, 36.68N, 9.73W, h39km, ML2.2/10, ML2.7/6, MLV2.0/10

MDD 04 08:57:03.2, 1.5, 36.68N, 9.57W, h22km, 7km, mb, Lq2.5/6, Error ellipse: s-maj=11.1km s-min=10.1km az=174.0

ISC 04 08:57:01.5, 3.5, 36.77N, 0.2, 9.7W, 0.1, h30km, 16km, n41, r159/56, 2C, West of Gibraltar

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like Vila Bisbo, PFVI, etc.

ICD 04 08:57.0, 1.4, 1.49 68, S, 08 57 45.2 +0.5, etc. Includes stations like Barranco-do-Ve, PCVE, etc.

ICD 04 08:57.0, 1.4, 1.49 68, S, 08 57 45.2 +0.5, etc. Includes stations like Castro Verde, PCVE, etc.

ICD 04 08:57.0, 1.4, 1.49 68, S, 08 57 45.2 +0.5, etc. Includes stations like Castro Verde, PCVE, etc.

ICD 04 08:57.0, 1.4, 1.49 68, S, 08 57 45.2 +0.5, etc. Includes stations like Castro Verde, PCVE, etc.

ICD 04 08:57.0, 1.4, 1.49 68, S, 08 57 45.2 +0.5, etc. Includes stations like Castro Verde, PCVE, etc.

ICD 04 08:57.0, 1.4, 1.49 68, S, 08 57 45.2 +0.5, etc. Includes stations like Castro Verde, PCVE, etc.

ICD 04 08:57.0, 1.4, 1.49 68, S, 08 57 45.2 +0.5, etc. Includes stations like Castro Verde, PCVE, etc.

ICD 04 08:57.0, 1.4, 1.49 68, S, 08 57 45.2 +0.5, etc. Includes stations like Castro Verde, PCVE, etc.

ICD 04 08:57.0, 1.4, 1.49 68, S, 08 57 45.2 +0.5, etc. Includes stations like Castro Verde, PCVE, etc.

ICD 04 08:57.0, 1.4, 1.49 68, S, 08 57 45.2 +0.5, etc. Includes stations like Castro Verde, PCVE, etc.

ICD 04 08:57.0, 1.4, 1.49 68, S, 08 57 45.2 +0.5, etc. Includes stations like Castro Verde, PCVE, etc.

ICD 04 08:57.0, 1.4, 1.49 68, S, 08 57 45.2 +0.5, etc. Includes stations like Castro Verde, PCVE, etc.

2018 DEC

4d 9h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Las Esperanzas, Tortugero, Acoyapa, etc.

ASRS 04 09:18:04.0.2.53.70N.0.01.91.03E.0.02.h0km, M2.7, The earthquakes of Russia in 2018. Obninsk, GS RAS, 212 p + CD-ROM, 2020.
IDC 04 09:18:10.2.2.8.53.78N.90.65E, h0km, mbtpk3.3/4, ML3.0/3, Error ellipse: s-maj=24.1km s-min=18.0km az=61.0.

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

NEIC 04 09:32:52.1.2.2.32.99N.0.09.45.9E.0.1, h10km, 1km, mb4.4/25, Error ellipse: s-maj=17.7km s-min=15.0km az=255.0.

ISN 04 09:32:53.4.0.4.33.45N.45.96E, h12km, 1km, ML3.7, IDC 04 09:32:53.0.0.8.33.41N.46.01E, h0km, mb4.0/19, mbtpm4.0/23, ML4.4/4, MS3.0/2, Error ellipse: s-maj=19.0km s-min=15.1km az=4.0.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Ilam Banvizeh, Badra, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ILIN, IDOB, IBZA, etc.

SMRA Abu-Samra 9.59 153 S S 09 35 13 +0.6
SMRA SMRA 9.59 153 S S 09 35 10 -0.0
TRNA Turayna 9.76 151 S S 09 35 16.6 +1.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ASUD, MDH, UOSS, etc.

AKTO Aktyubinsk 19.19 24 P P 09 37 17.6 -0.4
comp=E:1.2nm,0.3s,baz=201,slow=8.2,SNR=7.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FNA, BURAR, BUR08, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SENIN, BNI, ECH, etc.

ISC 04 09:33:55.0.1.3.4972N.0.09:17.73E.0.04, h5km, 18km, n6.0/25, Error ellipse: s-maj=67.9km s-min=16.8km az=53.0.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MORC, WRAC, etc.

IDC 04 09:35:02.8.1.6.5.94S:104.78E, h0km, mb4.0/8, mbtpm4.0/8, ML5.4/1, MS3.4/1, Error ellipse: s-maj=67.9km s-min=16.8km az=53.0.

DJA 04 09:35:20.6.0.4.6.5.4:10.5E, h127km, 7km, M4.0/10, ML4.0/10.

NEIC 04 09:35:21.9.0.7.5.6S:0.2:105.3E:0.1, h150km, 12km, mb4.2/29, Error ellipse: s-maj=39.0km s-min=9.3km az=206.0.

ISC 04 09:35:20.7.0.7.5.92S:0.09:105.19E:0.08, h150km, n36, 0.17/38, mb4.0/13, Sunda Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KASI, LWLI, etc.

2018 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res. Includes stations like SHL Shilling, MMRI Maumere, TOLIZ Tolitoi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res. Includes stations like BOSA, ATD Arta Tunnel, LEM Lembang, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res. Includes stations like VRAC Vranov, GERES GERESE Array B, CLL Collim, etc.

IDC 04 11:07:08.0+0.5, 20:35S; 67.97E, h0km, mb4.1/22, mbmp4.1/23, ML3.7/1, MS4.2/46, Error ellipse: s-min=16.4km s-min=15.0km az=71.0

IDC 04 11:19:42.1+0.6, 2:37N; 126.76E, h0km, mb4.2/18, mbmp4.2/20, ML3.6/2, Error ellipse: s-maj=28.6km s-min=12.3km az=72.0

IDC 04 11:19:49.1+0.4, 2:36N; 105:126.84E, h53km, n62, 110/65, mb4.2/30, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like KKAR Karatay Array, ROVAM Rodrigues Isla, BVAR Borovoye Array, etc.

NOU 04 11:30:08.1, 15:49S:167.06E, h53km, mb4.0/8, Vanuatu Islands, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like VLAKA Lakatoro, DVP Devils Point, YATNC Mamie plateau, etc.

IDC 04 11:40:10.5:1.1, 13.07N:145.69E, h0km, mb3.5/6, mbmp3.5/6, Error ellipse: s-maj=28.8km s-min=18.5km az=63.0

ISC 04 11:40:16.5:1.2, 13.1N:02.145:6E:0.2, h43km, n7, n059/8, mb3.5/6, Mariana Islands

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like GUMO Guam, GUMO 294nm, 0.3s, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 04 11:51:49.5:1.1, 20.20S:68.26E, h0km, mb4.0/10, mbmp4.0/10, MS3.6/30, Error ellipse: s-maj=37.8km s-min=22.4km az=67.0

ISC 04 11:51:51.1:1.1, 20.2S:02.68:2E:0.3, h10km, n42, n063/11, mb4.1/10, MS3.7/30, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, etc.

NNC 04 12:07:20.7:2.37:61N:71.63E, h159km, 130km, mb2.8, rmp3.6, 1C-2D, Error ellipse: s-maj=101.1km s-min=38.6km az=35.0, Afghanistan-Tajikistan border region

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

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like ZALV Zalesovo Beam, ZALV 0.9nm, 0.6s, SONM Songo Array, etc.

NEIC 04 12:02:03.9:0.6, 35.941N:0.008:96.72W:0.01, h7km, 2km, ML2.0/4, ML2.2/45, ML2.7/20, Error ellipse: s-maj=1.6km s-min=1.2km az=87.0

NEIC 04 12:02:03.7:0.4, 35.936N:0.008:96.73W:0.01, h5km, 1km, Error ellipse: s-maj=2.4km s-min=1.6km az=135.0, Oklahoma

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like OK031 S. Brethren Rd, OK031 1um, 0.2s, OK031 813nm, 0.1s, DEOK Depew, etc.

NNC 04 12:07:20.7:2.37:61N:71.63E, h159km, 130km, mb2.8, rmp3.6, 1C-2D, Error ellipse: s-maj=101.1km s-min=38.6km az=35.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like KK31 Karatay Array, TKM2 Tokmak 2, AB09 Akbulak array, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like RL2.5, ML2.8/120(NEIC), Error ellipse: s-maj=3.5km s-min=1.0km az=168.0, Southern Alaska

NEIC 04 12:32:23.3:0.8, 61.38N:0.03:150.05W:0.05, h46km, 2km, Error ellipse: s-maj=4.0km s-min=3.4km az=162.0

AEIC 04 12:32:24.0:0.9, 61.37N:0.02:150.05W:0.02, h35km, 7km, Melozitna Rive

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like RC01 Rabbit Creek A, SUA Susitna O, M22K Willow, etc.

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Table with columns: Station Name, Azimuth, Elevation, Frequency, Power, and other technical details for stations like Kusilvak Mount, Baldwin Pennin, etc.

ISK 04 12:38:03.2, 40:67N:26:98E, h11km, ML3.6/48
AFAD 04 12:38:03.0, 40:67N:26:98E, h12km, MW3.5
IDC 04 12:38:03.8, 5:40:70N:27:18E, h0km, mb3.0/2

Main station list table for 273, including columns for Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details for stations like RKY, SARKOY-TEKIRDA, etc.

2018 DEC

Table with columns: Station Name, Azimuth, Elevation, Frequency, Power, and other technical details for stations like IGD Bursa, IGD Yambol, etc.

ISC 04 12:38:03.9, 0:8, 40:67N:0:01:26:98E:0:01, h11km, 6km, n140, r19:02/201, 14CZ-8D, Turkey

Main station list table for 2018 DEC, including columns for Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details for stations like RKY, SARKOY-TEKIRDA, etc.

4d 13h

Table with columns: Station Name, Azimuth, Elevation, Frequency, Power, and other technical details for stations like PB04 IPOC Station P, PB04 IAML, etc.

NEIC 04 13:33:56.2, 2.0, 20:9S:0:1x178:5W:0:1, h551km, 5km, mb4.3/37, Error ellipse: s-maj=20.5km s-min=16.0km az=141.0

Main station list table for 4d 13h, including columns for Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details for stations like MSVF Nonsavu, FUGATOGA, etc.

4d 14h

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters.

IDC 04 13:44:28.6, 1.6, 2.29S, 119.16E, h0km, mb3.2/4, mbmp3.2/4, MS2.9/2, Error ellipse: s-maj=337.6km s-min=23.9km az=57.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters.

JMA 04 13:49:45.1, 0.0, 36.22N, 0.2, 137.6E, 0.2, h5km, 1km, MV0.5/28, HIDA MOUNTAINS REGION, Eastern Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters.

CATAC 04 13:58:34.1, 0.0, 10.36N, 86.84W, h23km, ML4.6, IDC 04 13:58:37.6, 1.1, 11.24N, 86.14W, h0km, mb4.0/9, mbmp4.0/11, ML3.4/2, MS3.4/8, Error ellipse: s-maj=46.3km s-min=15.0km az=39.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters.

2018 DEC

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters.

IDC 04 13:44:28.6, 1.6, 2.29S, 119.16E, h0km, mb3.2/4, mbmp3.2/4, MS2.9/2, Error ellipse: s-maj=337.6km s-min=23.9km az=57.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters.

JMA 04 13:49:52.1, 0.0, 36.22N, 0.09, 137.61E, 0.09, h5km, 1km, MV2.7/20, HIDA MOUNTAINS REGION, Eastern Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters.

CATAC 04 13:58:34.1, 0.0, 10.36N, 86.84W, h23km, ML4.6, IDC 04 13:58:37.6, 1.1, 11.24N, 86.14W, h0km, mb4.0/9, mbmp4.0/11, ML3.4/2, MS3.4/8, Error ellipse: s-maj=46.3km s-min=15.0km az=39.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters.

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Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters.

IDC 04 14:06:53.5, 3.2, 6.51S, 130.01E, h147km, 32km, mb3.8/11, mb2.8/3, mbmp3.8/4, Error ellipse: s-maj=127.0km s-min=59.6km az=144.0, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters.

IDC 04 14:06:53.5, 3.2, 6.51S, 130.01E, h147km, 32km, mb3.8/11, mb2.8/3, mbmp3.8/4, Error ellipse: s-maj=127.0km s-min=59.6km az=144.0, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters.

IDC 04 14:12:53.0, 3.2, 6.51S, 130.01E, h147km, 32km, mb3.8/11, mb2.8/3, mbmp3.8/4, Error ellipse: s-maj=127.0km s-min=59.6km az=144.0, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters.

Table of astronomical observations with columns for station name, coordinates, time, and other parameters. Includes stations like FAKI, MTN, KDU, etc.

Table of astronomical observations with columns for station name, coordinates, time, and other parameters. Includes stations like KKAR, MAW, BVAR, RAYN, etc.

Table of astronomical observations with columns for station name, coordinates, time, and other parameters. Includes stations like NLAI, PMG, PMG, etc.

4d 14h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PMR Palmer, GHO GHO, CAPN Capita Cook, STLK Strandline Lak, SML Sawmill, SKT Skwentna, SKM Skliak Lake, Q22K Cooper Landing, etc.

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Table with columns: SUA, IAML, Az, Time, Res, ISC. Includes stations like comp=E,4um,0.7s, comp=N,5um,0.6s, Rabbit Creek A, etc.

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Table with columns: CAST, Pn, Az, Time, Res, ISC. Includes stations like Castle Rocks, EYAK Cordova Ski Ar, EYAK Bonanza Creek, etc.

IDC 04 14:40:41.9.1.4, 61.39N; 150.17W, h62km, 23km, mb3.4/3, mbtmip=3.67, ML3.3/4, MS3.0/1, Error ellipse: s-maj=35.5km s-min=9.8km az=113.0
NEIC 04 14:40:42.5.1.1, 61.51N; 0.03; 149.94W; 0.05; h47km, 3km, Error ellipse: s-maj=4.2km s-min=3.3km az=166.0
AEIC 04 14:40:43.2.0.8, 61.473N; 0.010; 149.93W; 0.05, h45km, 5km, ML3.5, ML3.7, h45(NEIC), Error ellipse: s-maj=3.5km s-min=0.6km az=67.0
ISC 04 14:40:41.8.0.8, 61.47N; 0.02; 149.95W; 0.02, h42km, n194, s135/168, mb3.8/3, Southern Alaska

Table with columns: Code, Station Name, Az, El, Pn, Time, Res. Includes stations like Chitina Glacie, Joseph Creek, J26L, etc.

RHSSO 04 14:52:36.1±0.8, 41.85N:20.16E, h6km, 2km, ML2.2/6
PDG 04 14:52:36.8±0.1, 41.90N:20.09E, h5km, ML2.3/12, Error ellipse: s-maj=0.0km s-min=0.1km az=0.0

Table with columns: Code, Station Name, Az, El, Pn, Time, Res. Includes stations like PUK, BCI, TIR, etc.

Table with columns: Code, Station Name, Az, El, Pn, Time, Res. Includes stations like BRY, TREB, FNA, etc.

DJA 04 15:00:17.9±0.3, 3°S:2°12'0E±, h10km, M3.9/13, mb4.1/1, ML3.8/13
IDC 04 15:00:17.1±2.2, 3°51'S:119°05'E, h0km, mb3.0/3, mbtmp3.1/3, Error ellipse: s-maj=333.2km s-min=28.2km az=56.0

Table with columns: Code, Station Name, Az, El, Pn, Time, Res. Includes stations like TTSI, SPSI, PCI, etc.

NEIC 04 15:14:25.7±1.2, 39°13'N:0°119'72"W±0.02, h12km, 4km, Error ellipse: s-maj=3.5km s-min=1.9km az=210.0
REN 04 15:14:25.9±0.9, 39°12'N:0°119'73"W±0.02, h8km, 5km, ML3.2/15, ML2.9/24(NEIC), Error ellipse: s-maj=2.0km s-min=1.7km az=46.0, Nevada

Table with columns: Code, Station Name, Az, El, Pn, Time, Res. Includes stations like PNTR, MPK, WAKR, etc.

Table with columns: Code, Station Name, Az, El, Pn, Time, Res. Includes stations like KBL, NIL, SIMJ, etc.

AML 04 15:00:17.9±0.3, 3°S:2°12'0E±, h10km, M3.9/13, mb4.1/1, ML3.8/13
IDC 04 15:00:17.1±2.2, 3°51'S:119°05'E, h0km, mb3.0/3, mbtmp3.1/3, Error ellipse: s-maj=333.2km s-min=28.2km az=56.0

Table with columns: Code, Station Name, Az, El, Pn, Time, Res. Includes stations like KUDL, KESK, KK31, etc.

Table with columns: STLK, Strandline Lak, 0.85 279, IAML, Pn, 16 02 44.4 +0.9, 16 02 56.9, 16 02 56.0 +1.1, 16 02 44.7 +0.8, 16 02 59.6, 16 02 59.8, 16 02 58.4 +2.8, 16 02 44.6 +0.3, 16 02 57.1 +0.7, 16 02 44.8 +0.4, 16 02 45.3 +0.9, 16 02 45.7 +1.3, 16 02 44.9 +0.2, 16 02 58.3 +1.4, 16 03 02.1, 16 03 02.6, 16 02 45.2 +0.5, 16 02 45.6 +0.8, 16 02 46.7 +1.2, 16 03 00.7 +2.4, 16 03 02.2, 16 03 03.4, 16 02 46.6 +1.1, 16 02 46.3 +0.5, 16 03 12.9, 16 02 59.5 +0.5, 16 02 46.3 +0.5, 16 02 47.1 +0.9, 16 03 00.8 +1.2, 16 02 47.1 +0.9, 16 03 05.9 +2.6, 16 02 49.3 +1.1, 16 02 50.5 +0.7, 16 02 52.1 +1.2, 16 02 52.3 +1.4, 16 02 53.5 +0.7, 16 03 17.2, 16 03 19.4, 16 02 53.8 +1.0, 16 02 54.1 +1.1, 16 03 14.3 +2.6, 16 03 16.7, 16 02 54.9 +1.9, 16 02 54.2 +1.2, 16 02 54.7 +1.3, 16 02 55.3 +1.3, 16 02 55.5 +1.5, 16 02 55.7 +1.4, 16 02 56.0 +1.3, 16 03 22.4, 16 03 22.5, 16 02 55.9 +1.1, 16 02 58.5 +1.9, 16 02 57.9 +1.2, 16 02 58.0 +1.3, 16 02 57.5 +0.2, 16 03 30.3, 16 03 31.5, 16 02 59.2 +1.4, 16 02 59.0 +1.3, 16 02 58.0 0.0, 16 02 58.2 +0.2, 16 02 59.6 +1.1, 16 03 29.2, 16 03 03 00.5 +1.4, 16 03 39.0, 16 03 01.4 +2.2, 16 03 00.2 +0.9, 16 03 33.4, 16 03 37.6, 16 03 00.3 +1.1, 16 03 00.0 +0.7, 16 03 00.7 +0.6, 16 03 32.9, 16 03 39.1, 16 03 41.9, 16 03 01.6 +1.2, 16 03 02.0 +1.4, 16 03 39.9, 16 03 01.7 +0.9, 16 03 39.9, 16 03 02.0 +1.1, 16 03 32.5, 16 03 35.0, 16 03 02.2 +1.3, 16 03 02.2 +1.3, 16 03 03.3 +1.1, 16 03 03.4, 16 03 03.9 +1.7, 16 03 03.9 +1.3, 16 03 04.1 +1.5, 16 03 03.4 +0.6, 16 03 04.2 +1.3, 16 03 05.6 +1.8, 16 03 41.2, 16 03 51.0, 16 03 06.0 +1.4, 16 03 06.4 +1.6, 16 03 36.5, 16 03 06.3 +1.6, 16 03 06.8 +1.9, 16 03 08.6 +1.9

Table with columns: N25K, Chitina, Valde, 2.64 83, Pn, IAML, Pn, 16 03 08.7 +0.7, 16 03 51.4, 16 03 52.8, 16 03 08.9 +0.9, 16 03 09.6 +1.1, 16 03 09.6 +1.1, 16 03 10.3 +1.6, 16 03 08.9 +0.3, 16 03 08.9 +0.3, 16 03 10.1 +1.4, 16 04 05.8, 16 04 16.2, 16 03 10.0 +1.1, 16 03 10.2 +1.3, 16 03 10.2 +1.2, 16 03 58.4, 16 03 10.1 +1.2, 16 03 09.7 +0.4, 16 03 10.4 +0.8, 16 03 10.5 +0.9, 16 03 10.9 +1.4, 16 03 11.0 +1.4, 16 03 12.7 +2.4, 16 03 13.0 +1.3, 16 04 16.1, 16 04 16.4, 16 03 13.2 +0.9, 16 03 14.3 +1.2, 16 04 00.0, 16 04 01.3, 16 03 14.0 +0.8, 16 04 02.4, 16 03 14.1 +1.0, 16 03 15.3 +1.8, 16 03 14.6 +1.1, 16 03 16.5 +1.6, 16 04 16.8, 16 04 24.5, 16 03 16.3 +1.4, 16 03 16.4 +0.8, 16 03 16.6 +1.2, 16 03 16.7 +1.2, 16 03 16.3 +0.5, 16 04 13.2, 16 03 16.8 +0.8, 16 04 12.8, 16 04 21.7, 16 03 17.5 +1.2, 16 03 17.5 +1.2, 16 03 17.5 +1.2, 16 04 15.0, 16 03 17.5 +1.2, 16 03 18.1 +1.7, 16 03 18.1 +1.7, 16 03 19.2 +1.4, 16 04 17.8, 16 03 19.0 +1.2, 16 03 19.0 +1.1, 16 03 59.1, 16 03 59.4, 16 03 19.3 +1.4, 16 03 18.9 +1.0, 16 03 19.6 +1.4, 16 03 19.1 +0.7, 16 03 19.8 +0.8, 16 04 16.7, 16 03 19.8 +0.6, 16 03 21.0 +1.1, 16 04 19.6, 16 04 23.4, 16 03 20.9 +1.1, 16 03 21.6 +1.3, 16 04 30.5, 16 03 21.5 +1.3, 16 03 22.6 +2.0, 16 04 20.4, 16 03 22.7 +2.0, 16 03 22.0 +1.4, 16 04 04.0, 16 04 22.7, 16 03 22.1 +1.4, 16 04 22.6, 16 03 21.2 +0.2, 16 04 22.6, 16 03 22.9 +1.2, 16 03 23.6 +1.9, 16 03 23.7 +2.0, 16 03 22.4 +0.7, 16 03 23.0 +1.1, 16 04 38.3, 16 03 23.1 +1.2, 16 03 24.1 +2.0, 16 03 22.8 +0.7, 16 03 24.1 +1.6, 16 03 24.0 +1.5, 16 03 23.1 +0.7, 16 04 04.8 0.0, 16 03 24.1 +1.3, 16 04 31.1, 16 04 35.0, 16 04 41.6, 16 03 24.9 +1.2

Table with columns: O17K, Sand Creek, 3.82 248, P, Pn, 16 03 25.4 +1.3, 3.83 45, IAML, Pn, 16 03 25.0 +0.6, 16 04 25.8, 16 04 30.0, 3.83 45, P, Pn, 16 03 25.5 +1.2, 3.83 200, IAML, Pn, 16 03 24.3 0.0, 16 04 30.4, 16 04 33.2, 3.83 200, P, Pn, 16 03 23.8 -0.5, 16 04 05.9 -2.0, 16 05 19.7, 3.83 200, P, Pn, 16 03 25.5 +1.2, 3.83 200, P, Pn, 16 03 24.1 -0.2, 3.85 238, P, Pn, 16 03 26.2 +1.7, 3.85 238, P, Pn, 16 03 26.3 +1.7, 3.89 31, IAML, Pn, 16 03 27.5 +2.4, 16 04 18.8, 3.89 31, IAML, Pn, 16 04 19.5, 3.89 31, P, Pn, 16 03 27.4 +2.3, 3.91 348, IAML, Pn, 16 03 26.3 +1.0, 3.91 348, P, Pn, 16 04 57.1, 3.91 348, P, Pn, 16 03 27.1 +1.8, 3.93 17, IAML, Pn, 16 03 26.7 +1.0, 3.93 17, IAML, Pn, 16 04 37.4, 3.93 17, IAML, Pn, 16 04 42.1, 3.93 17, P, Pn, 16 03 27.5 +1.8, 3.96 332, P, Pn, 16 03 27.7 +1.6, 3.96 332, P, Pn, 16 03 27.8 +1.7, 3.98 285, P, Pn, 16 03 27.6 +1.3, 3.99 221, IAML, Pn, 16 03 27.8 +1.3, 4.01 72, P, Pn, 16 03 28.6 +1.7, 4.09 293, IAML, Pn, 16 03 29.2 +1.4, 4.09 293, IAML, Pn, 16 04 41.9, 4.09 293, P, Pn, 16 04 51.4, 4.09 293, P, Pn, 16 03 29.4 +1.5, 4.10 96, IAML, Pn, 16 03 29.0 +0.8, 4.10 96, IAML, Pn, 16 04 36.1, 4.14 222, Pn, 16 03 31.1 +2.4, 4.21 223, Pn, 16 03 31.2 +1.7, 4.21 63, Pn, 16 03 30.9 +1.3, 4.21 63, IAML, Pn, 16 04 44.5, 4.21 63, P, Pn, 16 03 30.8 +1.2, 4.25 92, P, Pn, 16 03 31.6 +1.3, 4.26 92, IAML, Pn, 16 03 31.1 +0.8, 4.26 92, IAML, Pn, 16 04 43.7, 4.27 233, P, Pn, 16 03 32.5 +2.2, 4.29 226, P, Pn, 16 03 32.5 +1.8, 4.31 269, IAML, Pn, 16 04 56.4, 4.31 269, P, Pn, 16 03 32.2 +1.4, 4.32 41, P, Pn, 16 03 32.9 +1.8, 4.32 41, P, Pn, 16 03 32.7 +1.6, 4.34 262, Pn, 16 03 32.5 +1.3, 4.34 262, Pn, 16 03 32.8 +1.5, 4.35 249, Pn, 16 03 32.5 +1.1, 4.35 249, IAML, Pn, 16 05 03.7, 4.35 249, P, Pn, 16 03 32.8 +1.4, 4.43 212, Pn, 16 03 33.9 +1.4, 4.43 212, IAML, Pn, 16 03 35.3, 4.43 212, P, Pn, 16 03 33.9 +1.4, 4.44 93, IAML, Pn, 16 03 33.5 +0.7, 4.44 93, IAML, Pn, 16 04 48.4, 4.46 345, P, Pn, 16 03 34.2 +1.4, 4.47 3, Pn, 16 03 34.3 +1.2, 4.47 3, P, Pn, 16 03 34.5 +1.5, 4.48 73, P, Pn, 16 03 34.8 +1.5, 4.48 73, P, Pn, 16 03 34.7 +1.5, 4.49 203, Pn, 16 03 32.8 -0.5, 4.49 203, IAML, Pn, 16 04 44.4, 4.49 203, IAML, Pn, 16 04 46.3, 4.49 203, P, Pn, 16 03 34.5 +1.2, 4.49 203, P, Pn, 16 03 33.7 +0.5, 4.51 278, Pn, Pn, 16 03 34.5 +0.9, 4.51 278, IAML, Pn, 16 04 58.8, 4.51 278, P, Pn, 16 03 34.8 +1.2, 4.54 51, Pn, 16 03 35.5 +1.5, 4.54 51, IAML, Pn, 16 04 55.8, 4.54 51, P, Pn, 16 04 56.8, 4.54 51, P, Pn, 16 03 35.1 +1.0, 4.56 353, P, Pn, 16 03 35.7 +1.4, 4.56 353, P, Pn, 16 03 35.7 +1.4, 4.58 320, P, Pn, 16 03 35.7 +1.3, 4.58 11, Pn, 16 03 36.6 +2.0, 4.58 11, IAML, Pn, 16 04 56.0, 4.58 11, P, Pn, 16 03 36.8 +2.3, 4.60 243, Pn, 16 03 36.6 +1.8, 4.60 243, P, Pn, 16 03 36.8 +1.8, 4.62 81, Pn, 16 03 36.1 +0.8, 4.62 81, Pn, 16 03 36.2 +0.9, 4.62 24, IAML, Pn, 16 03 37.2 +1.9, 4.62 24, IAML, Pn, 16 04 54.2, 4.62 24, IAML, Pn, 16 04 55.6, 4.62 24, P, Pn, 16 03 37.0 +1.7, 4.65 300, IAML, Pn, 16 03 36.4 +0.9, 4.65 300, IAML, Pn, 16 05 02.1, 4.65 300, IAML, Pn, 16 05 02.8, 4.65 300, P, Pn, 16 03 36.7 +1.2

4d 16h

Table with columns: ID, Name, Elevation, SNR, Status, Date, Time, Azimuth, Elevation, Status, Date, Time, Azimuth, Elevation. Rows include H20K, SAMH, O28M, IMAR, PLK4, PLK4, R17L, YUK8, PCA, PINM, I26K, H19K, H19K, H19K, N15K, N15K, M15K, H25L, J16K, J16K, SII, EGAK, EGAK, H18K, H18K, O15K, BCPM, G23K, G21K, G21K, R16K, G24K, L15K, I17K, K15K, YUK4, PNL, PNL, M29M, DAWY, G25K, I27K, YUK6, G19K, H17K, O29M, M14K, L29M, COLD, YUK7, G18K, O14K, F21K, L14K, I28M, H17T, H27K, F20K, F20K, F22K, G26K, J29N, F24K, N30M, CHIR, CHIR, G17K, G17K, K29M, K29M.

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Table with columns: ID, Name, Elevation, SNR, Status, Date, Time, Azimuth, Elevation, Status, Date, Time, Azimuth, Elevation. Rows include P29M, M30M, F19K, H16K, J14K, BMAR, F25K, M13K, P30M, G27K, CHGN, E23K, F18K, E24K, O30N, E22K, G16K, F26K, E19K, N31M, MAYO, J30M, PLBC, F17K, H29M, I30M, G15K, E21K, TOLK, E20K, WHY, M31M, SKAG, SKAG, E18K, D22K, D23K, F28M, G29M, ANM, EPYK, E27K, S31K, F15K, D24K, D20K, D19K, M11K, F19K, F20K, D25K, N32M, G30M, CHNA, P32M, H31M, F14K, C24K, R32K, D17K, S12K, B21K, C23K, E28M, P33M, RD0G, C18K, C27K, C19K, E29M.

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Table with columns: ID, Name, Elevation, SNR, Status, Date, Time, Azimuth, Elevation, Status, Date, Time, Azimuth, Elevation. Rows include SIT, D27M, F30M, S32K, C26K, G31M, TNA, C17K, B22K, B20K, Q32M, D28M, F31M, B18K, FALS, R33M, A22K, INK, INK, INK, T33K, S34M, GAMB, U33K, A21K, WRAP, DLBC, DLBC, DLBC, CRAG, CRAG, T35M, V35K, WRLG, DIB, KOTAN, NIKH, C36M, A36M, BBB, YKA, YKA, BILL, NLWA, F04A, NEW, D08A, HOOD, F07A, RES, H04A, I05D, I04A, DBO, K02D, J05E, PINE, I07A, L04D, YBH, FFC, EUNU, J08A, SEY, EGMT, WVOR, FCC, HLD, YHL, YHB, YMR.

Table containing flight information for stations from MA2 to MSTX. Columns include station name, destination, time, class, status, and other flight details.

Table containing flight information for stations from L44A to JOW. Columns include station name, destination, time, class, status, and other flight details.

Table containing flight information for stations from NJ2 to LANS. Columns include station name, destination, time, class, status, and other flight details.

4d 17h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like LIPTOVSKA ANNA, JAVC, HORU, KOLS, etc.

NEIC 04 16:11:20.6:1.6, 36:70N:0:07:71:05E:0:09, h98km, 9km, mb4, 1/4, Error ellipse: s-maj=11.0km s-min=9.3km az=117.0

IDC 04 16:11:20.8:1.1, 36:74N:71:16E, h81km, 53km, mb3.8/2, mbtmp4.2/8, ML3.4/5, MS3.2/2, Error ellipse: s-maj=73.8km s-min=46.5km az=160.0

ISC 04 16:11:20.9:1.0, 36:70N:0:10:71:03E:0:10, h100km, n39, c059/37, mb4.1/4, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GAR, SIMJ, KBL, etc.

2018 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SNR=18, BISHKEK, CHMS, etc.

ATH 04 16:14:42.1, 37:41N:20:45E, h7km, 4km, ML3.3/6, Error ellipse: s-maj=4.5km s-min=1.0km az=14.0

TIR 04 16:14:42.9, 37:42N:20:27E, h18km, 31km, Md4.2, Md4.0, ISC 04 16:14:41.9:1.7, 37:46N:0:06:20:44E:0:06, h11km, g9km, n21, c1527/38, Ionian Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like LITHAKIA, ORTHONIES, KIPSELI, etc.

NEIC 04 16:29:16.4:0.7, 61:43N:0:03:149:88W:0:07, h38km, 11km, Error ellipse: s-maj=5.2km s-min=3.7km az=120.0

AEIC 04 16:29:16.9:0.8, 61:43N:0:04:149:89W:0:07, h38km, 7km, ML2.5, ML2.5/42(NEIC), Error ellipse: s-maj=5.2km s-min=4.8km az=201.0, Southern Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like M22K, RC01, PMR, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like STLK, SLKM, PVL, etc.

ISC 04 16:32:21.7:0.5, 33:76N:46:75E, h10km, 2km, ML2.6, TEH 04 16:32:22.0, 33:77N:46:75E, h10km, 268km, ML2.5, ISC 04 16:32:21.9:1.5, 33:76N:0:04:46:72E:0:04, h8km, 13km, n11, c0972/16, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ILBA, KCHF, IGHG, etc.

ISC 04 16:55:39.6:0.3, 34:31N:45:65E, h14km, 15km, ML2.6, TEH 04 16:55:40.0, 34:30N:45:63E, h10km, 209km, ML2.6, ISC 04 16:55:40.2:0.9, 34:30N:0:04:45:63E:0:04, h10km, n10, c030/14, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KGS1, GLG1, IDHR, etc.

IDC 04 17:10:45.3:0.9, 37:94N:142:36E, h0km, mb3.9/12, mbtmp3.8/16, ML3.5/4, MS3.07, Error ellipse: s-maj=21.9km s-min=17.8km az=82.0

NIED 04 17:10:50.0, 38:04N:142:21E, h38km, MW3.8, Moment Tensor Solution: s3. Moment tensor: Scale 10^14 Nm; M1: -1.02; M2: 0.12; M3: 1.14; M4: 1.25; M5: -0.47; M6: 0.45; Fault plane solution: Mo5.70000x10^14 NP1: 0:193.00000; 86.00000; -86.00000; -86.00000; NP2: 0:335.00000; 87.00000; -87.00000; -87.00000; JMA 04 17:10:50.0:0.2, 38:04N:142:21E, h38km, 1km, MD4.1/32, MV4.0/32, SE OFF MIYAGI PREF

JMA Feit J1 at SE OFF MIYAGI PREF, ISC 04 17:10:49.3:2.2, 38:00N:0:06:142:23E:0:08, h23km, 14km, n44, c096/36, mb3.8/12, MS3.3/3, 8D, Near east coast of northern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JIKH, JIO, JOT, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, RBK, Rabtuk, 18.10 153 P, Pn, 17 27 17h -0.6

CATAC 04 17:18:26.1±0.7, 13.34N-91.15W, h8km, 6km, ML3.9
SNET 04 17:18:28.8±2.2, 13.47N-91.16W, h30km, ML3.6
GCG 04 17:18:34.9±0.7, 13.82N-91.09W, h28km, 4km, MD4.2
ISC 04 17:18:28.8±1.4, 13.43N-91.008±1.14W, 0.05, h26km, 7km, n33, c088/49, Near coast of Guatemala

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, RBK, Rabtuk, 18.10 153 P, Pn, 17 27 17h -0.6

IDC 04 17:23:16.2±2.1, 34.13N-45.41E, h0km, mb3.8/9, mbmp4.0/15, ML3.4/3, MS3.2/2, Error ellipse: s-maj=38.0km s-min=26.5km az=151.0
ASN 04 17:23:17.5±0.4, 34.16N-45.62E, h15km, 3km, ML3.8
TEH 04 17:23:17.4, 34.17N-45.63E, h11km, 20km, ML3.8
OMAN 04 17:23:17.0±0.9, 33.58N-46.08E, h10km, mb4.1/25, Error ellipse: s-maj=13.0km s-min=7.7km az=46.0
ISC 04 17:23:16.8±0.5, 34.00N-0.003±45.72E, 0.03, h10km, n104, c252/131, mb3.8/8, Iran-Iraq border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, RBK, Rabtuk, 18.10 153 P, Pn, 17 27 17h -0.6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, RBK, Rabtuk, 18.10 153 P, Pn, 17 27 17h -0.6

Table of astronomical observations for 4d 17h, listing stations (e.g., MAK, GNRB, ZKTA), station names (e.g., Kakhachkala, Gunib), and various data points including coordinates, times, and signal strength.

Table of astronomical observations for 2018 DEC, listing stations (e.g., BELG, SIMJ, KAR31, GKR3), station names (e.g., Simiganj, Karatay Array, Garm), and various data points including coordinates, times, and signal strength.

Table of astronomical observations for 286, listing stations (e.g., IBDR, KCHF, ILIN, SNQR), station names (e.g., Badra, Cheshme Sefid, Lien, Sonqor, Kerman), and various data points including coordinates, times, and signal strength.

ADC 04 17:32:15.3±1.1, 61°40'N:149°77'W, h0km, mb3.6/2, mbtmp3.5/6, ML3.4/A, MS3.2/1, Error ellipse: s-maj=27.1km s-min=11.5km az=110.0, NEIC 04 17:32:17.7±1.3, 61°51'N:0°02:149.95W:0.05, h40km, 5km, Error ellipse: s-maj=3.4km s-min=3.1km az=188.0, AEIC 04 17:32:18.4±1.0, 61°48'N:0°02:149.98W:0.05, h36km, 5km, ML3.5, ML3.6/20(AEIC), Error ellipse: s-maj=3.3km s-min=3.1km az=164.0, ISC 04 17:32:15.4±1.4, 61°46'N:0°02:150.00W:0.02, h10km, 10km, n316°, 0595/329, Southern Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h m s, ISC, IAML. Lists stations like M22K, W Willow, SUA, and their respective data points.

4d 18h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like G21K Allakaket, G21K Hadweenciz Riv, G21K Hadweenciz Riv, etc.

2018 DEC

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like AAI Sorong, SWI Sorong, RKPI Ransiki, etc.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SPSI Palu, PCI Kappang, KAPI Kappang, etc.

ISC 04 17:45:57.8±2.5, 5.30S, 132.10E, h0km, mb3.4/1, mbmp4.0/4, ML4.4/3, MS3.1/1, Error ellipse: s-maj=65.6km s-min=32.5km az=79.0

UPP 04 18:01:27.9±0.1, 67.06N±20.93E, h0km, ML2.0, Unknown HEL 04 18:01:28.6±0.1, 67.04N±20.78E, h0km, ML2.0, Explosion

ISC 04 18:01:27.9±0.1, 67.07N±20.96E±0.03, h0km, n27, ±0.60±36, Sweden

ISC 04 18:00:4.999±0.5636N±21.41E, h0km, Error ellipse: s-maj=390.4km s-min=166.9km az=73.0, Baltic

IDC 04 18:45:49.3; 11.0, 57.98S; 25.32W, h64km, 96km, mb3.7/4, mbmp4.0/5, ML4.0/1, Error ellipse: s-maj=81.4km s-min=30.5km az=106.0

ISC 04 18:45:47.5; 1.0, 58.35S; 0.1; 23.8W; 0.3, h35km, n12, az=277/16, mb4.0/4, 6C-1D, South Sandwich Islands region

Table with columns: Code, Station Name, A, AZ, Phase ID, Time Res, h m s, I S C. Includes stations like VN1A Neumayer-Stat, VN3 Neumayer Olymp, VN2 Neumayer-Watz, etc.

IDC 04 19:04:24.7; 0.6, 57.92S; 25.20W, h0km, mb4.3/10, mbmp4.3/11, ML4.5/1, MS3.3/7, Error ellipse: s-maj=26.8km s-min=16.2km az=68.0

NEIC 04 19:04:30.3; 1.6, 57.98S; 0.06; 25.0W; 0.2, h35km, 1km, mb4.5/16, Error ellipse: s-maj=18.4km s-min=9.9km az=255.0

ISC 04 19:04:30.4; 0.4, 57.99S; 0.08; 24.89W; 0.09, h40km, n77, az=142/73, mb4.4/12, MS3.4/5, 7C-1D, South Sandwich Islands region

Large table listing station codes and names (e.g., HOPE Hope Point, VN1A Neumayer-Stat, VN3 Neumayer Olymp) with columns for location data, time, and station type.

Table listing station codes and names (e.g., CMAP Chiang Mai Arr, FINES FINESS Array B, YKA Yellowknife Ar, ZALV Zalesovo Beam) with columns for location data, time, and station type.

CATAC 04 19:08:37.0; 3.0, 6.13; 74N; 91.05W, h21km, 5km, ML4.5, SNET 04 19:08:37.5; 1.3; 78N; 91.07W, h27km, 6km, ML4.1

NEIC 04 19:08:38.6; 2.6, 13.90N; 0.09; 95W; 0.05, h66km, 11km, mb4.2/12, Error ellipse: s-maj=13.9km s-min=5.8km az=203.0

CGG 04 19:08:41.4; 1.6, 14.29N; 91.01W, h73km, 10km, MD4.1, IDC 04 19:08:42.5; 1.8, 14.16N; 90.94W, h108km, 14km, ms3.6/9, mbmp3.9/12, MS2.6/1, Error ellipse: s-maj=21.2km

Large table listing station codes and names (e.g., ESSG Sabana Grande, FUG Fuego 3, PGC Pacaya, SCLM Sutchitepequez, etc.) with columns for location data, time, and station type.

Table listing station codes and names (e.g., MRL Esquiquilas, ESQI Esquiquilas, ESQJ Esquiquilas) with columns for location data, time, and station type.

MOS 04 19:14:38.3; 1.1, 85.38N; 89.54E, h10km, mb4.8/8, az=88.8

BUJ 04 19:14:38.0; 1.8, 85.50N; 89.50E, h10km, mb5.1/10, mb4.4/32, MS4.7/6, MS7.4/37

NEIC 04 19:14:39.3; 1.8, 85.40N; 0.09; 89.6E; 0.8, h10km, 1km, mb4.8/18, Error ellipse: s-maj=17.4km s-min=8.6km az=152.0

IDC 04 19:14:39.3; 0.4, 85.39N; 89.22E, h0km, mb4.1/30, mbmp4.1/31, ML3.5/2, MS3.9/71, Error ellipse: s-maj=13.2km s-min=9.7km az=127.0

GCMT 04 19:14:40.3; 0.2, 85.46N; 0.02; 87.8E; 0.3, h12km, MW4.8/10, Moment Tensor Solution, s32, c36; s110, c152; Duration: 0 Moment tensor: Scale 10^16Nm; Mm=1.94e; 05; Mm=1.41e; 04; Mm=0.53e; 05; Mm=0.34e; 17; Mm=0.67e; 04; Mm=0.73e; 23; Best double couple; M2: 0.03500; 10^16 NP1: 0.132 00000; 856 00000; 1-76 00000; NP2: 0.287 00000; 836 00000; 1-110 00000; Principal axes: T. 1.890, P1g10.0000; Azm212.0000; N. 0.2790, P1g12.0000; Azm304.0000; P -2.1750, P1g74.0000; Azm82.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

FCIAR 04 19:14:43.0; 0.85; 00N; 86.42E, h10km, station SVZ has station magnitude of 4.10 station ZF12 has station magnitude of 4.10 station OMEGA has station magnitude of 4.00 station KLMR has station magnitude of 5.05

Large table listing station codes and names (e.g., PSUT Pine Spring, PDAR Pinedale Array, ELK Elko, NVAR Mina Array, JOBA Circle Bar, SCHO Schefferville, YKA Yellowknife Ar, DLBC Dease Lake, INK Inuvik, RES Resolute Bay, ILAR Eielson Array, BKAR Meade River, M3K Makanchi Array, WRA Warramunga Arr, ASAR Alice Springs, CMAP Chiang Mai Arr) with columns for location data, time, and station type.

Table with columns: NEW, call sign, frequency, power, mode, and other details. Includes stations like Newport, Kashi, KSH, etc.

Table with columns: call sign, frequency, power, mode, and other details. Includes stations like T35A, Sooner Cattle, Eilat, etc.

IDD 04 19:33:21.5:1.2, 61.36N:150.43W, h0km, mb4, 1/1, mbmp3.4/4, ML2.6/3, Error ellipse: s-maj=32.8km

Table with columns: Code, Station Name, frequency, power, mode, and other details. Includes stations like SUSA, Susitna One, etc.

Table with columns: call sign, frequency, power, mode, and other details. Includes stations like Q22K, Cooper Landing, O22K, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include CCB, M17K, J19K, COLA, ILAR, ILAR, ILAR, ILAR, J18K, BALM, KIAG, KDAD, KDAD, I23K, J25K, I21K, I21K, L17K, K17L, J26L, J26L, H21K, J17K, J17K, PRP, PRP, I26K, I26K, G21K, M29M, M14K, F21K, F20K, F19K, E24K, E19K, E21K, E18K, D19K, E21K, C19K, B20K, INK, INK, PETK, NRIK, NRIK.

IDC 04 19:42:53.0, 2.3, 23.82S, 85.07E, h0km, mb4.3/19, mbmp=3.719, MS3.9, Error ellipse: s-maj=16.4km s-min=13.6km az=85.0

NEIC 04 19:42:54.9, 1.5, 23.83S, 85.07E, h0km, mb4.3/19, mb4.6/42, Error ellipse: s-maj=19.2km s-min=11.9km az=149.0

ISC 04 19:42:54.7, 0.4, 23.81S, 85.07E, h10km, n87, 0.959/75, mb4.5/37, MS3.5/9, 5.9, South Indian Ocean

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include H08S2, H08S1, H08S3, H01W3, H01W2, H01W1, NWA0, PPS1, H04N2, H04N1, H04N3, VOI, MMRI, FORT, SOEI, KNRA, TOL12, CMAR, CMAR, ASAR, ASAR, AS31, MTN, BBOO, WRA, WRA, WRA, WB2, WB2, WB0, MAW, WRO, SHL, SHL.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include FAKI, KIBK, STKA, KMBO, BOSA, BOSA, LBTB, LBTB, SUR, ARMA, YOJ, RAYN, PMG, VDA, VDA, WUS, TROLL, GSPA, GSPA, SNA, SNA, SNA, SNA, KKAR, KKAR, KKAR, VNA2, VNA1, VNA3, MK31, MKAR, MKAR, MAKZ, MAKZ, EIL, KSRS, SONM, SONM, SONM, SONM, KURB, KURB, KURK, JCJ, ABKAR, ABKAR, ZAAO, ZAAO, KBZ, BVAR, BR131, BR131, BRTR, BRTR, ARTI, ARTI, MSVF, LIT, MLR, AKASG, AKASG, AKKB, AKKB, TOR, TOR, YKA, NVAR, PDAR, PDAR, TXAR, TXAR.

IDC 04 20:09:31.0, 3.0, 43.05N, 105.02W, h0km, mb2.5/1, mbmp=1.13, ML3.2/2, MS2.8/2, Error ellipse: s-maj=55.4km s-min=11.0km az=156

NEIC 04 20:09:32.6, 1.6, 43.65N, 105.02W, h0km, mb2.5/1, ML3.4/64, Error ellipse: s-maj=10.0km s-min=3.1km az=18.0

ISC 04 20:09:33.4, 1.1, 43.60N, 105.07W, h0km, n52, 0.136/47, Wyoming

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include R23A, R23A, N23A, LAO, LAO, LAO, RLMT, PD31, PDAR, PDAR, PDAR, OGNE, YNE, YNE.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include YNE, YMP, YMP, YMP, ISCO, ISCO, LOHW, LOHW, H17A, H17A, FLWY, FLWY, MOOV, YNR, O20A, O20A, O20A, K30B, TPW, TPW, TPW, FXWY, YHH, E28A, E28A, AHID, AHID, YHB, YHL, YHL, YHL, SUSD, DCMT, KSCO, BOZ, BOZ, HWUT, HWUT, BSUT, BSUT, BSUT, TCUT, EGMT, EGMT, P18A, JLU, JLU, JLU, BGN, SDCO, P17A, JUV, JUV, SRU, ECSD, TMUT, CBKS, BGLU, T25A, H10CA, ULM, ULM, NEW, TXAR, YKA.

NEIC 04 20:13:12.3, 0.8, 19.48N, 155.43W, 0.03, h27km, 11km, Error ellipse: s-maj=10.4km s-min=3.6km az=185.0

HVO 04 20:13:13.5, 0.8, 19.49N, 155.42W, 0.03, h20km, 6km, ML2, 6/41, ML2, 6/44, NEIC, Error ellipse: s-maj=4.5km s-min=4.1km az=168.0, Hawaiian Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include MLH, MLH, MLH, RSD, RSD, UWE, UWE, WRMH, WRMH, OBS, OBS, UWB, UWB, SDHH, SDHH, SBLH, SBLH, MLOA, HATHI, HATHI, HATHI, RIM, RIM, BYL, BYL, KKO, KKO, MWH, HLP, PUP, PUP, ALEP, ALEP, HTA, KNH, POHA, POHA, STCH, STCH, STCH, KAHU, KAHU.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Standard Deviation, Elevation Standard Deviation, and other parameters.

IDD 04 20:23:54.5:1.2,34.81N:46.35E,h0km,mb3.4/7, mbmp3.5/14,ML3.4/7,MS2.7/1,Error ellipse: s-maj=21.2km s-min=17.3km az=4.0

TEH 04 20:23:57.5:35.20N:46.58E,h5km,ML3.7 ISN 04 20:23:57.1:0.3,35.21N:46.58E,h3km,4km,ML3.7

NEIC 04 20:23:58.3:1.8,35.02N:0.06:46.63E,0.05,h10km,2km, mb3.7/5,Error ellipse: s-maj=11.3km s-min=4.5km az=215.0

ISC 04 20:23:58.7:0.5,35.18N:0.03:46.57E:0.03,h10km,n68, r1569/63,mb3.5/7,Iran-Iraq border region

Main table of station data for the 4d 20h period, including station names like ILIN, IDHR, IGHG, etc., and their respective coordinates and parameters.

VIE 04 20:45:01.9:0.3,51.62N:16.28E,h0km,mb3.0/17, m3.3/14,ms3.6/2,Error ellipse: s-maj=2.9km s-min=2.4km az=60.0,Suspected Mining induced.

IDD 04 20:45:02.8:0.6,51.55N:15.91E,h0km,mb3.4/3, mbmp3.5/11,ML2.9/8,Error ellipse: s-maj=11.2km s-min=7.0km az=100.0

IPEC 04 20:45:03.0:0.2,51.57N:16.20E,h1km,ML3.0/4,Error ellipse: s-maj=3.0km s-min=1.5km az=73.0

BGR 04 20:45:03.3:0.3,51.58N:16.15E,h1km,ML3.4/16,Error ellipse: s-maj=3.3km s-min=2.2km az=17.0

MCSM 04 20:45:15.0:0.8,51.71N:7.76E:1.1,1km:3km,MLV3.5 ISC 04 20:45:01.3:0.6,51.68N:0.03:16.17E:0.02,h0km,n92, r1521/170,mb3.5/3,Poland

Main table of station data for the 2018 DEC period, including station names like KSP, KSP, KSP, etc., and their respective coordinates and parameters.

Main table of station data for the 2018 DEC period, continuing from the previous table, including station names like MODS, MODS, NIE, etc., and their respective coordinates and parameters.

IDD 04 20:49:06.1:0.6,7.46S:120.07E,h425km,6km,mb4.0/22, mbtmp4.8/25,Error ellipse: s-maj=15.7km s-min=5.9km az=59.0

DJA 04 20:49:06.4:0.1,8.52S:120.0E:1,h420km,1km,M4.7/73, mb4.9/73,mb5.2/44,MLV5.3/37,MW(m)B4.5/44

NEIC 04 20:49:06.1:1.6,7.49S:0.09:120.01E:0.10,h420km,6km, mb4.7/85,Error ellipse: s-maj=15.1km s-min=11.1km az=57.0

ISC 04 20:49:05.9:0.5,7.50S:0.04:120.02E:0.05,h424km,5km, n330,r1903/344,mb4.6/78,6C,Flores Sea

Main table of station data for the 2018 DEC period, including station names like BSSI, BSSI, BKSI, etc., and their respective coordinates and parameters.

Table with columns: DNP, Denpasar, 4.90 256, P, P, 20 50 29.5 +1.6, etc. Lists various locations and their associated data points.

Table with columns: KLBR, Kellerberrin, 24.06 165, P, P, 20 53 46.0 +0.4, etc. Lists various locations and their associated data points.

Table with columns: MRZ, Mangatoinoka R, 59.28 133, P, P, 20 58 23.8 -1.5, etc. Lists various locations and their associated data points.

Table with columns: Station, Frequency, Power, Mode, and other parameters. Includes stations like Honiara, Sverdllovsk, Arti, Khabaz, etc.

Table with columns: Station, Frequency, Power, Mode, and other parameters. Includes stations like MLR, Muntele Rosu, MI29, MI28, etc.

Table with columns: Station, Frequency, Power, Mode, and other parameters. Includes stations like JCT, JCT Junction City, JCT Junction City, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like URZ, RTZ, TOZ, INZ, DZM, RAR, TBI, PPT2, PPT2, PPT, STKA, CTA, CTAO, COEN, AS31, ASAR, WR0, WB2, WRA, WRA, WRA, WBO, KNRA, QSPA, QSPA, MAW, TROLL, SNA, SNA, SNA, VNA3, VNA2, VNA1, H03S2, H03S1, H03S3, H03N2, H03N1, MKAR, KVAR, BVAR, FIA1, FIA2, FIA3, MMAI, MMAI, NOA, HFS, PABE, BRTR, BRTR, DBIC, DBIC, TOR, TOR, TOR.

CATAC 04 23:23:17.9...13.99N.81.48W, h20km, MB5.0, mb4.8, M4.5, Caribbean Sea. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PRVC, PRVC, PRVC, SERC, SERC, BLUN, BLUN, RAFA, RAFA, CONN, CONN, HDC, HDC.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MORN, MORN, JAPN, JAPN, NANN, NANN, NADN, NADN, COPN, COPN, COPN, COPN, CNGA, CNGA, CNGA, CNGA, AEIC, AEIC, NEIC, NEIC, ISC, ISC, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like D25K, D25K, D25K, D25K, D25K, C26K, D24K, D24K, C24K, C24K, C24K, C27K, C27K, C27K, C27K, TOLK, TOLK, TOLK, TOLK, TOLK, E24K, E24K, D23K, D23K, C23K, C23K, C23K, E23K, E23K, E23K, F26K, F26K, F26K, F24K, F24K, D27M, D27M, D27M, BMAR, E27K, E27K, E27K, E27K, D22K, D22K, D22K, E22K, E22K, E22K, COLD, COLD, G25K, G26K, E26M, E26M, G24K, G24K, G24K, G24K, D28M, F22K, FYU, FYU, FYU, G23K, G23K, C21K, F28M, F28M, F28M, H25L, G27K, E29M, E29M, F21K, F21K, F21K, F21K, A22K, H24K.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like H24K, H24K, H27K, H23K, H23K, H23K, E20K, D20K, B20K, B20K, PRP, PRP, PRP, PRP, PRP, G21K, H22K, G29M, A21K, A21K, F20K, F20K, F20K, I27K, I26K, I26K, POKR, POKR, POKR, D19K, D19K, D19K, F30M, F30M, I23K, I23K, I23K, IMAR, H29M, E19K, E19K, H21K, H21K, COLA, G30M, G30M, G30M, IL31, ILAR, ILAR, ILAR, MLY, MLY, I28M, I28M, I28M, C19K, C19K, C19K, C19K, CCB, EPYK, EPYK, J25K, J25K, J25K, INK, INK, INK, NEA2, NEA2, WRH, WRH, WRH, F19K, F19K, F19K, HDA, HDA, HDA, HDA, J26L, J26L, EGAK, EGAK, EGAK, F31M, F31M, F31M, G31M, G31M, G31M, G31M, BWN, C18K, C18K, C18K, B18K, SCRK, SCRK, SCRK, BPAW, BPAW, K24K, K24K.

Table with columns for station call letters, frequency, power, and signal strength. Includes stations like KKK, JSD, KIWB, ADK, and others.

Table with columns for station call letters, frequency, power, and signal strength. Includes stations like KLR, O19K, N18K, N18K, H04A, L15K, O20K, BRSE, PINE, N19K, L16K, L16K, M17K, R11B, BMN, K15K, F04A, HOOD, M18K, NLWA, SEOR, WVOR, TIA, TIA, L17K, Q23K, O22K, N20K, BELA, I07A, G06A, L18K, M19K, J08A, Q12A, K17K, CLRS, X16A, UBPT, L19K, L19K, M20K, CBB, CCUT, PWL, SUA, J16K, KNB, KNB, KNB, U15A, SZCU, IPM, IPM, SKT, GLI, J17K, J17K, J17K, CRAIG, TTA, TTA, TTA, EYAK, M22K, WUAZ, KNK, KNK, PMR, PMR, MXC, G08A, DUNE, J18K, E07A, U33K, V35K, SML, HAWA, CUT, M23K, PPLA, BMRM, S31K, K20K, SCM, H16K, KLU, E08A.

Table with columns for station call letters, frequency, power, and signal strength. Includes stations like CRQM, CRQE, MVU, G15K, S32K, MAW, WRAK, WRAK, MFID, PNL, J19K, J19K, PINM, HNS, HNS, CAST, F14K, N25K, D08A, GRNC, M24K, GLB, WAT6, H17K, WAT1, 121A, RPSI, RPSI, SEY, SEY, PSI, PSI, BJI, BJI, BJI, MCARA, LYN, LYN, J20K, J20K, KTH, LOGN, TRF, CHUM, P29M, P29M, CTG, CTGM, R32K, GCSA, F10A, HMU, O28M, LLLL, B08A, HARP, RND, RND, RND, O29M, DHY, DHY, PLBC, BPAW, BPAW, I20K, C09A, MCK, PAX, P30M, SKAG, SKAG, SKAG, T35M, GSI, YUK8, M26K, M26K, H19K, YUK6, G18K, YUK3, S34M, S34M, M27K, HYT, HYT, MENT.

4d 23h

Table with columns for station call letters, frequency, power, polarization, and other technical details for various stations under the '4d 23h' category.

2018 DEC

Table listing station call letters, frequencies, powers, and polarizations for various stations under the '2018 DEC' category.

304

Table listing station call letters, frequencies, powers, and polarizations for various stations under the '304' category.

Table with columns for station name, frequency, power, and other technical details. Includes stations like BRVK, KARAR, KVAR, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like PRU, GPP, GPC, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like ESDC, MESJ, PBAR, etc.

2018 DEC

5d 0h

Table with columns: IGPFR, comp=N, 113nm, 0.2s, 2.30 127 Pn, 23 56 00.7 +1.0, 23 56 35.5

DJA 05 00:24:51.0, 1.5, 0°N, 6°E, h28km, 17km, M3.5/7, MLV3.5/7

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res, h m s, ISC

ICD 04 23:57:44.3, 0.7, 0°52N, 0°06', 97°56'E, 0°09', h29km, n33, #2504/25, mb4.0/12, Northern Sumatera

Main table of seismic data for the first section, including stations like GSI, PBSI, MNSI, SSI, PSI, etc.

ICD 05 00:04:21.1, 3, 0°27N, 97°11'E, h0km, mb3.6/6, mbmp3.5/7, ML2.7/1, MS2.7/2, Error ellipse: s-maj=43.3km

DJA 05 00:04:23.6, 0.9, 0°N, 3°E, h37km, 20km, M4.2/15, mb4.4/4, mB4.8/1, MLV4.1/15, Mw(mb)4.0/1

ISC 05 00:04:23.8, 1.0, 0°24N, 0°08', 97°05'E, 0°11', h22km, n27, #1524/23, mb3.6/7, Northern Sumatera

Main table of seismic data for the second section, including stations like GSI, PBSI, MNSI, SSI, PSI, etc.

DJA 05 00:24:51.0, 1.5, 0°N, 6°E, h28km, 17km, M3.5/7, MLV3.5/7

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res, h m s, ISC

ICD 05 00:31:48.4, 1.3, 37°37N, 20°65'E, h0km, mb3.7/10, mbmp3.6/10, ML3.6/5, Error ellipse: s-maj=23.8km

THE 05 00:31:50.5, 37°58N, 20°36'E, h2km, 30km, ML3.6/12, Error ellipse: s-maj=30.4km, s-min=0.6km, az=0.0

ATH 05 00:31:51.1, 37°62N, 20°38'E, h12km, 1km, ML3.5/14, Error ellipse: s-maj=2.3km, s-min=0.9km, az=33.0

ISC 05 00:31:51.1, 1.3, 37°60N, 0°03', 20°38'E, 0°04', h11km, 8km, n77, #1541/106, mb3.7/10, Ionian Sea

Main table of seismic data for the third section, including stations like KRI1, ORTH, LTHK, VLS, etc.

ICD 05 00:36:24.2, 1.1, 8°65N, 83°27W, h24km, 3km, MW3.6, UPA 05 00:36:24.6, 1.1, 8°59N, 83°19W, h16km, 6km, ML3.0, MW3.1

ISC 05 00:36:23.9, 1.1, 8°63N, 0°04', 83°23W, 0°04', h27km, 6km, n23, #057/33, 4C-2D, Costa Rica

Main table of seismic data for the fourth section, including stations like FSK, RLS, RLS, etc.

Table with columns: ANX, comp=N, 1568μm, 0.7s, 1.59 77 P, 00 32 20.0 +0.6, 00 32 57.5

Table with columns: ANX, comp=N, 1568μm, 0.7s, 1.59 77 P, 00 32 20.0 +0.6, 00 32 57.5

UCR 05 00:36:24.2, 1.1, 8°65N, 83°27W, h24km, 3km, MW3.6, UPA 05 00:36:24.6, 1.1, 8°59N, 83°19W, h16km, 6km, ML3.0, MW3.1

ISC 05 00:36:23.9, 1.1, 8°63N, 0°04', 83°23W, 0°04', h27km, 6km, n23, #057/33, 4C-2D, Costa Rica

Main table of seismic data for the fifth section, including stations like ANX, GUR, GUR, etc.

UCR 05 00:36:24.2, 1.1, 8°65N, 83°27W, h24km, 3km, MW3.6, UPA 05 00:36:24.6, 1.1, 8°59N, 83°19W, h16km, 6km, ML3.0, MW3.1

ISC 05 00:36:23.9, 1.1, 8°63N, 0°04', 83°23W, 0°04', h27km, 6km, n23, #057/33, 4C-2D, Costa Rica

Main table of seismic data for the sixth section, including stations like ANX, GUR, GUR, etc.

5d 1h

2018 DEC

308

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like N25K, N25K, N25K, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like CTG Chitna Glacier, CTGM Chitna Glacie, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like F14K Arctic Circle, R32K Eaglecrest, etc.

IDC 05 01:08:10.7:8.4, 22:80S:~147.99E, h0km, mbtmp3.0/2, ML2.8/2, Error ellipse: s-maj=92.0km s-min=63.7km az=1.0, Queensland

IDC 05 01:10:10.7:1.7, 36:37N:142.05E, h0km, mb3.7/6, mbtmp3.7/7, ML2.9/1, MS2.9/3, Error ellipse: s-maj=45.4km s-min=26.7km az=58.0

NIED 05 01:10:16.0:36.35N:141.73E, h60km, MW3.6, Moment Tensor solution. s3 Moment tensor: Scale 10^14Nm; Mr=1.58; Mss=0.15; Mss=1.43; Mss=0.23; Mss=1.39; Mss=1.59; Fault plane solution: Mo2.60000x10^14 NPT1.6 6.00000, 67.00000, 1.60.00000; NP2.2 24.00000, 83.7.00000, 2.14.00000

JMA 05 01:10:16.0:0.0, 36:4N:0.6:14.2'E, h0km, MV3.5/35, FAIR E OFF IBARAKI PRF

ISC 05 01:10:14.5:1.1, 36:28N:0.06:14.7E, h0km, m3, n26, 0.892/21, mb3.5/6, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like JHYU Hitachinaka, JHYU Hitachi, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H11S1 WAKE ISLAND, SONMI Sogino Array, ZALV Zalesovo Beam, etc.

THE 05 01:14:56.4, 37.41N-20.69E, h15km, ML2.9/5, Error ellipse: s-maj=2.1km s-min=0.8km az=53.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KRIH KERI, LTHK Lithakia, KYPSS Kipseli, etc.

NNC 05 01:22:23.7±1.8, 38.57N:76.66E, h0km, mb3.9m, mpv3.6, 6C-3D, Error ellipse: s-maj=13.5km s-min=9.3km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TKM2 Tokmak 2, TNSS Tian-Shan, MTBS Maitube, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KUU Kurly, BLB Balybasty, ARXS Arhary, etc.

ECX 05 01:32:02.2±0.5, 29.65N:113.85W, h14km, 4km, ML3.9

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SLGB San Luis Gonzaga, SFOB San Francisco, etc.

NEIC 05 01:37:16.8±1.3, 20.5S:0.3:178.2W:0.1, h525km, 9km, mb3.9/21, Error ellipse: s-maj=42.9km s-min=7.8km

IDC 05 01:37:21.2±0.7, 19.56S:178.70W, h567km, 1km, mb3.1/5, mbmp3.9/6, Error ellipse: s-maj=246.1km s-min=19.0km

ISC 05 01:37:18.2±1.0, 20.4S:0.3:178.3W:0.2, h550km, n38, 0.98/36, mb3.9/16, Fijil Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MSVF Nonsavu, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like L04D Klamath Falls, NVAR Mina Array, KVN Kaiserville, etc.

THE 05 01:40:06.6, 39.57N-26.08E, h4km, 10km, ML3.1/6, Error ellipse: s-maj=10.4km s-min=0.6km az=134.0

ISK 05 01:40:06.0, 39.56N-26.08E, h8km, ML3.3/24

ATH 05 01:40:06.5, 39.53N-26.02E, h14km, 1km, ML3.0/18

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KOCA Canakkale, GPNR Gulpinar-Canak, BOZC Bozcaada, etc.

MIAR comp=Z,7.0nm,0.7s Iamb_Lg 02 05 40.1
OGNE Ogallala 5.15 332 Pn Pn 02 04 17.6 +0.8
BRDY Brady 5.15 182 Pn Pn 02 04 16.6 +0.3
P36A Dawn 5.23 51 Pn Pn 02 04 18.9 +1.0
X40A Basin Creek Fa 5.23 110 Iamb_Lg 02 05 54.0

IDC 05 02:17.45.1±0.9, 6°26'S-147°11'E, h0km, mb3.9/10,
mbmp3.9/12, ML4.0/1, MS2.9/5, Error ellipse:
s-maj=45.1km s-min=15.8km az=94.0
NEIC 05 02:17.51.7±2.1, 6°45'S-147°05'E, h1, h42km, 7km,
mb4.3/14, Error ellipse: s-maj=19.5km s-min=14.5km
az=117.0

ISC 02:17:51.7±0.6, 6:33S±0.07, 146:9E±0.1, h49km, n37,
±106/36, mb4.2/14, MS2.9/3, Eastern New Guinea region

Code Station Name Δ° AZ Phase ID Time Res
PMG Port Moresby 3.06 176 Pn Pn 02 18 36.5 -1.1
PMG 23nm, 0.3s, baz=213, slow=20, SNR=15
PMG 23nm, 0.3s, baz=213, slow=20, SNR=15

IDC 05 02:43:20.9±0.6, 32°55'S-179°62'W, h89km, 54km, mb3.5/3,
mbmp3.9/4, ML3.4/1, Error ellipse: s-maj=48.6km
s-min=26.8km az=51.0

ISC 05 02:43:21.6±1.1, 32:6S±0.1, 179:6W±0.2, h100km, n13,
±153/14, mb4.1/5, 4C, South of Kermadec Islands

Code Station Name Δ° AZ Phase ID Time Res
URZ Urewera 6.26 204 Op ISC h m s ISC
URZ 0.8nm, 0.3s, baz=2.2, slow=4.3, SNR=8.9
URZ 6.6nm, 0.3s, baz=272, slow=20, SNR=13

SJA 05 02:43:57.4±0.6, 24°07'S-67°01'W, h206km, 4km, ML3.8,
MW3.8
IDC 05 02:43:58.0±2.3, 24°06'S-66°8'W, h179km, 22km, mb3.5/3,
mbmp3.9/8, Error ellipse: s-maj=24.7km s-min=18.1km
az=94.0

GUC 05 02:43:59.1±0.8, 24°10'S-67°28'W, h222km, 7km, ML3.9
ISC 05 02:43:58.4±0.7, 24°08'S-66°06'W±0.04, h196km, 7km,
n48, ±128/77, mb3.7/3, 7C-1D, Chile-Argentina border region

Code Station Name Δ° AZ Phase ID Time Res
KRI1 KERI 0.15 64 P S P 02 31 04.8 +0.1
LTHK Lithakia 0.19 53 P S P 02 31 05.1 -0.2
LTHK Lithakia 0.19 53 P S P 02 31 05.1 -0.2

ATH 05 02:31:00.8, 37°57'N-20°63'E, h12km, 3km, ML2.6/9, Error
ellipse: s-maj=4.6km s-min=1.6km az=48.0
THE 05 02:31:01.1, 37°59'N-20°67'E, h14km, ML2.7/11, Error
ellipse: s-maj=1.6km s-min=0.7km az=39.0
ISC 05 02:31:00.9±1.5, 37:59N±0.05, 20:64E±0.05, h13km, 6km,
n29, ±0847/46, Ionian Sea

SMHA Samh 0.66 0 P Pg 02 31 13.0 -0.7
DMLN DMLN 0.68 342 P P 02 31 14.3 +0.2
DMLN 02 31 24.2 +0.3
comp=N, 1µm, 0.3s
DRLS DRLS 0.68 342 P P 02 31 14.4 +0.2
RLOS RLOS 0.80 54 P S 02 31 28.1 +0.8

IDC 05 02:43:20.9±0.6, 32°55'S-179°62'W, h89km, 54km, mb3.5/3,
mbmp3.9/4, ML3.4/1, Error ellipse: s-maj=48.6km
s-min=26.8km az=51.0

ISC 05 02:43:21.6±1.1, 32:6S±0.1, 179:6W±0.2, h100km, n13,
±153/14, mb4.1/5, 4C, South of Kermadec Islands

Code Station Name Δ° AZ Phase ID Time Res
URZ Urewera 6.26 204 Op ISC h m s ISC
URZ 0.8nm, 0.3s, baz=2.2, slow=4.3, SNR=8.9
URZ 6.6nm, 0.3s, baz=272, slow=20, SNR=13

SJA 05 02:43:57.4±0.6, 24°07'S-67°01'W, h206km, 4km, ML3.8,
MW3.8
IDC 05 02:43:58.0±2.3, 24°06'S-66°8'W, h179km, 22km, mb3.5/3,
mbmp3.9/8, Error ellipse: s-maj=24.7km s-min=18.1km
az=94.0

GUC 05 02:43:59.1±0.8, 24°10'S-67°28'W, h222km, 7km, ML3.9
ISC 05 02:43:58.4±0.7, 24°08'S-66°06'W±0.04, h196km, 7km,
n48, ±128/77, mb3.7/3, 7C-1D, Chile-Argentina border region

Code Station Name Δ° AZ Phase ID Time Res
KRI1 KERI 0.15 64 P S P 02 31 04.8 +0.1
LTHK Lithakia 0.19 53 P S P 02 31 05.1 -0.2
LTHK Lithakia 0.19 53 P S P 02 31 05.1 -0.2

PB04 IPOC Station P 3.33 301 eP Pn 02 44 52.5 +0.5
PB04 02 45 33.1 -0.8
PB04 IAML 02 45 34.0
comp=N, 189nm, 0.4s
PB01 IPOC Station P 3.77 323 iP Pn 02 45 57.1 -0.1

PRE 05 02:50:32.4±0.9, 21°66'S-33°44'E, h5km, ML2.8
BUL 05 02:50:35.1±2.3, 21°77'S-33°79'E, h10km, MD3.2
ISC 05 02:50:38.6±2.1, 21°85'S-33°22'E±0.1, h10km, n32,
±217/50, Mozambique

Code Station Name Δ° AZ Phase ID Time Res
MOPA Mopani 2.35 225 eP Pn 02 51 17.4 +0.1
MOPA 02 51 48.5 +2.2
MOPA 02 52 05.8
comp=N, 195nm, 0.2s
MOPA Mopani 2.35 225 iP Pn 02 51 21.6 +0.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LSZ, PHDHD, KXANE, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SFQB, SFQB, BAHD, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PMG, PMG, WRA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SFQB, SFQB, BAHD, etc.

NEIC 05 03:19:04.2.1.8. 15.13S.0.09:173.11W.0.09, h10km, 1km, mb4.6/14, Error ellipse: s-maj=21.2km s-min=5.0km az=136.0

ISC 05 03:19:07.8.4.14. 96S.174.01W, h0km, mb3.9/2, mbmp3.9/2, Error ellipse: s-maj=35.7km s-min=59.9km az=139.0

ISC 05 03:19:03.6.0.7. 15.1S.0.1x173.1W.0.1, h10km, n25, r=133/26, mb4.5/10, 1C, Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like AFI, AFI, NIUE, etc.

TEH 05 03:46:52.7.34.20N.45.68E, h16km, 15km, ML2.6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like GLG1, GLG1, KGS1, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like IBDR, IBDR, KCHF, etc.

DJA 05 03:47:23.7.0.6. 11.1S.6.12.4E, h10km, M4.5/9, mb4.8/1, mB5.0/2, MLv4.3/9, Mw(mB)4.3/2

ISC 05 03:47:27.0.8. 11.1S.6.12.4E, h10km, 34km, mb3.5/4, mbmp3.8/6, ML3.9/2, MS3.2/1, Error ellipse: s-maj=101.7km s-min=18.8km az=66.0

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

ISC 05 03:09:13.9.1.0. 28.66N.0.05:112.93W.0.04, h17km, 10km, n6, r=071/12, 2C-3D, Gulf of California

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SFQB, SFQB, BAHD, etc.

NEIC 05 04:07:16.4.1.2. 5.07S.0.09:149.73E.0.09, h377km, 8km, mb4.5/51, Error ellipse: s-maj=13.1km s-min=12.1km az=148.0

ISC 05 04:07:15.6.1.1. 5.16S.149.71E, h393km, 11km, mb3.8/24, mbmp4.6/26, Error ellipse: s-maj=1.0km s-min=7.9km az=9.0

ISC 05 04:07:16.0.3. 5.14S.0.05:149.69E.0.05, h400km, n147, r=1507/152, mb4.4/50.2, C, New Britain region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like RABL, RABL, MANU, etc.

ISC 05 03:46:52.9.0.4. 34.20N.45.68E, h14km, 15km, ML2.6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like AAI, AAI, NLAI, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SANI, SANI, AS01, etc.

ISC 05 03:47:27.0.8. 11.1S.6.12.4E, h10km, 34km, mb3.5/4, mbmp3.8/6, ML3.9/2, MS3.2/1, Error ellipse: s-maj=101.7km s-min=18.8km az=66.0

ISC 05 03:09:13.9.1.0. 28.66N.0.05:112.93W.0.04, h17km, 10km, n6, r=071/12, 2C-3D, Gulf of California

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LUWI, LUWI, STKA, etc.

ISC 05 03:09:13.9.1.0. 28.66N.0.05:112.93W.0.04, h17km, 10km, n6, r=071/12, 2C-3D, Gulf of California

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MEEK, MEEK, KMBL, etc.

ISC 05 03:19:03.6.0.7. 15.1S.0.1x173.1W.0.1, h10km, n25, r=133/26, mb4.5/10, 1C, Tonga Islands

ISC 05 04:07:16.4.1.2. 5.07S.0.09:149.73E.0.09, h377km, 8km, mb4.5/51, Error ellipse: s-maj=13.1km s-min=12.1km az=148.0

ISC 05 04:07:15.6.1.1. 5.16S.149.71E, h393km, 11km, mb3.8/24, mbmp4.6/26, Error ellipse: s-maj=1.0km s-min=7.9km az=9.0

ISC 05 04:07:16.0.3. 5.14S.0.05:149.69E.0.05, h400km, n147, r=1507/152, mb4.4/50.2, C, New Britain region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MJAR, MJAR, ODZ, etc.

ISC 05 03:46:52.9.0.4. 34.20N.45.68E, h14km, 15km, ML2.6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ZAAO, ZAAO, ZALV, etc.

Table with columns: AAK, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Ala-Archa, Arslanbob, Eielson Array, etc.

IDC 05 04:10:24.9-1.0, 23.45N, 64.03E, h0km, mb4.0/14, mltmp4.0/15, ML4.4/1, MS3.3/1, Error ellipse: s-maj=23.9km s-min=17.1km az=148.0

NEIC 05 04:10:27.6-1.4, 23.69N, 63.99E, 0.0/09, h14km, 3km, mb4.5/25, Error ellipse: s-maj=12.8km s-min=9.6km az=120.0

OMAN 05 04:10:34.6-1.0, 23.32N, 63.52E, h24km, 6km, mb4.1/22, m4.4/5, ms3.3/3, Error ellipse: s-maj=9.5km s-min=1.4km az=264.0

DSN 05 04:10:34.4-1.8, 24.24N, 63.64E, h15km, mb4.6/11, ML3.9/11, Error ellipse: s-maj=38.9km s-min=10.3km az=165.0

ISC 05 04:10:26.1-0.5, 23.51N, 63.96E, 0.0/4, h10km, n89, #213/118, mb4.1/21, Off coast of Pakistan

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like JLN, JLN, JLN, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Umm Al-Quwain, Al Ashush, DMTO, etc.

IDC 05 04:14:13.5-0.9, 21.91S, 169.55E, h0km, mb4.1/8, mltmp4.0/9, ML3.6/1, Error ellipse: s-maj=29.3km s-min=23.3km az=164.0

NEIC 05 04:14:18.0-1.6, 21.15S, 169.95E, 0.0/6, h10km, 1km, mb4.5/14, Error ellipse: s-maj=26.5km s-min=2.9km az=338.0

ISC 05 04:14:18.1-0.6, 21.22S, 169.00E, 0.0/9, h10km, n42, #133/35, mb4.5/18, 5C-1D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Mamie plateau, Ouen Island, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Omahuta, Armadale, Afimamalu, etc.

IDC 05 04:14:33.9-0.3, 21.98S, 169.53E, h0km, mb5.4/24, mltmp5.4/26, ML5.5/2, Error ellipse: s-maj=13.1km s-min=11.5km az=23.0

BJJ 05 04:14:33.1-0.1, 21.58S, 169.79E, h5km, mb5.6/82, mB6.1/50, Ms6.5/2, Ms7.6/42

MOS 05 04:14:34.4-1.0, 22.02S, 169.35E, h10km, mb6.0/39, Error ellipse: s-maj=8.4km s-min=7.6km az=39.5

NOU 05 04:14:41.3-2.1, 23.96S, 169.40E, h48km, ML5.8/122, Southeast of Loyalty Islands

ISC 05 04:14:37.9-0.2, 22.01S, 169.40E, 0.0/4, h25km, n877, #197/1817, mb5.9/252, 64C-89D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Mare, Loyalty, DZM, etc.

5d 4h

2018 DEC

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like Tony Channel, Afiama, Mangrove Creek, etc.

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like WRAB, WRAB Tennant Creek, WRA Warramunga Arr, etc.

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like LUWI, LUWI Luwuk, LUWI Luwuk, etc.

Table with columns: IATA, City, Altitude, Class, Status, Time, and other flight details. Includes routes like Taipei, Jakarta, Surabaya, etc.

Table with columns: IATA, City, Altitude, Class, Status, Time, and other flight details. Includes routes like Luoyang, Gornyi, Kunming, etc.

Table with columns: IATA, City, Altitude, Class, Status, Time, and other flight details. Includes routes like Neumayer-Watz, Aizawl, JORHAT, etc.

5d 4h

2018 DEC

Table with columns for station name, frequency, power, and other technical details. Includes stations like EGAK Eagle, MOY Monday, DULG Dugway, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like MOS, KIV Kislovodsk, LPSR Galich ya Gora, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like KPL Plocton, PGB Pangyurishete, OSTC Ostas, etc.

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like BCCLA Clavier, ABTA Abfallersbach, WATA Walderaner, etc.

ICD 05 04:18:06.1±0.3, 21.965S; 169.52E, h0km, mb6.0/24, mtbpm0.027, MLS.6.3, MS7.257, Error ellipse: s-maj=13.1km s-min=11.7km az=45.0

MOS 05 04:18:06.1±0.2, 22.005S; 169.43E, h11km, mb7.0/49, MS7.246, Error ellipse: s-maj=7.8km s-min=6.5km az=115.5

IPGP 05 04:18:08.0, 21.975S; 169.45E, h12km, MW7.6, Fault plane solution: NP1: 297.00000°, 855.00000°, λ-108.00000°

NEIC 05 04:18:08.4, 21.955S; 169.43E, 0.06, h10km, 1km, mbj=9.8km s-min=6.5km az=273.0

NEIC 05 04:18:08.4, 21.985S; 169.44E, h18km, Moment Tensor Solution. Duration: 29s Moment tensor: Scale 1020Nm

NEIC 05 04:18:08.4, 21.785S; 169.33E, h18km, Moment Tensor Solution. Duration: 29s Moment tensor: Scale 1020Nm

NEIC 05 04:18:08.4, 21.722S; 169.33E, h30km, ML7.6/148, Southeast of Loyalty Islands

GCMT 05 04:18:32.4±0.1, 21.955S; 169.25E, h18km, MW7.5/174, Moment Tensor Solution. s149.c304; s174.c850

ISC 05 04:18:08.0±0.5, 22.025S; 169.48E, 0.03, h11km, 2km, h11km; pp-P, n2317, t1985/1985, mb6.8/508, MS7.4/505, 116C-113D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like MARNC Mare, Loyalty, MARNC Mare, Loyalty, YATNC Marnie Plateau, etc.

Main table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like ONTNC Queen Toro, NOUC Port Laguerre, DVP Devils Point, etc.

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like RPZ Rata Peaks, CTA Charters Tower, CTA Charters Tower, etc.

Table with columns for station code, name, frequency, power, and location. Includes entries like WARRAMUNGA ARR, WRA, WRA, MCQ, etc.

Table with columns for station code, name, frequency, power, and location. Includes entries like BATI, BATI, PSA00, PSA00, LBMI, etc.

Table with columns for station code, name, frequency, power, and location. Includes entries like POHA, POHA, JOKA, JOKA, SRBI, etc.

Table with columns for station code, frequency, name, and various signal strength and quality metrics.

Table with columns for station code, frequency, name, and various signal strength and quality metrics.

Table with columns for station code, frequency, name, and various signal strength and quality metrics.

Table of astronomical observations for 5d 4h. Columns include object name (e.g., D25K Kavik River), RA, Dec, magnitude, and other parameters.

Table of astronomical observations for 2018 DEC. Columns include object name (e.g., GO05 Hualane), RA, Dec, magnitude, and other parameters.

Table of astronomical observations for 324. Columns include object name (e.g., ZHN ZHN), RA, Dec, magnitude, and other parameters.

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Table with columns for station name, frequency, power, and various technical parameters. Includes stations like LPSR Galich'ya Gora, BIM Bigot, H05S1 Guadeloupe/Mar, and many others.

Table with 4 columns: Station, Frequency, Power, and other technical details. Includes entries like OSTC Ostas, HERR Herculeane, MAUC Maruska, etc.

Table with 4 columns: Station, Frequency, Power, and other technical details. Includes entries like IACM Heraklion, ESK Eskdalemuir, DION Dionisos Atlik, etc.

Table with 4 columns: Station, Frequency, Power, and other technical details. Includes entries like WME Myndd Eilian, STNC Stoke, WPC Cernaes, Angles, etc.

5d 4h

Table of station data for the first section, including call signs like ROSA, PCAN, PICO, PMAN, PPN0, PID, KEST, etc., and their associated frequencies and parameters.

2018 DEC

Table of station data for the second section, including call signs like PMPST, PMPUL, PMPF, PMDT, etc., and their associated frequencies and parameters.

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Table of station data for the third section, including call signs like NVAR, ILAR, ARCES, NOA, CLL, EKA, GERES, etc., and their associated frequencies and parameters.

Table with columns: Call sign, Name, Frequency, Mode, Power, Direction, Azimuth, Elevation, and other technical details. Includes stations like L14K Kuka Creek, TROLL Troll, SNAA Sanae, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, Direction, Azimuth, Elevation, and other technical details. Includes stations like IUG luzhnay, ARCES ARCESS Array B, MAK Makhachkala, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, Direction, Azimuth, Elevation, and other technical details. Includes stations like CAN comp=Z,196nm,1.2s, MILA Mila, CMA QP, etc.

BUI 05 04:30:22.6,21.44'S, 169.43'E, h7km, mb5.4/31
IDC 05 04:30:22.0,5.21'00S,169.10'E, h0km,mb5.3/16,
s-min=3.18,ML4,7.2, Error ellipse: s-maj=18.3km
s-min=14.6km az=74.0
MOS 05 04:30:22.9,0.9,21.85'S,169.01'E, h9km, mb5.9/31, Error
ellipse: s-maj=9.6km s-min=8.7km az=113.8
NEIC 05 04:30:24.5,1.5, 21.84'S,0.08'169.15E,0.05, h10km,1km,
mb5.9/147, Error ellipse: s-maj=13.8km s-min=8.4km
az=1.0
ISC 05 04:30:27.1,0.3,21.86'S,0.06'169.12E,0.05, h31km, n429,
r1519,lv7,mb5.8/130, MS7.0/4, 27C-40D, Southeast of
Loyalty Islands

5d 4h

2018 DEC

Table with columns for station call letters, frequency, and other identifiers. Includes stations like JKA Kamikawa-asahi, ASAJ Asahikawa, TJN Taejon, etc.

Table with columns for ORV, Iamb, Iamb, and frequency. Includes stations like ORV Oroville, ORV Oroville, ORV Oroville, etc.

Table with columns for AKT, eSS, SS, and frequency. Includes stations like AKT ARCES, AKT ARCES, AKT ARCES, etc.

Table with columns: WBO, IAMB, IAMB, 04 38 11.1, etc. Includes stations like CKRC, CKRC, KHC, KHC, KHC, KHC, MANZ, etc.

Table with columns: WBO, IAMB, IAMB, 04 38 11.1, etc. Includes stations like WBE, WRA, WRA, WRA, WRA, WRA, etc.

Table with columns: DBIC, DIMBOKRO, TORO, TORO, TORO, TORO, TORO, TORO, etc. Includes stations like DIMBOKRO, TORO, TORO, TORO, TORO, TORO, etc.

IDC 05 04:31:21.3:0.6,2.1:99Sx169:59E, h0km, mb5.2/13, mbtmp5.2/14, ML5.2/1, Error ellipse: s-maj=24.0km s-min=13.7km az=100.0

NEIC 05 04:31:23.7:1.4:21.91S:0:09:169:48E:0:09, h10km, 1km, mb5.7/7.4, Error ellipse: s-maj=15.6km s-min=13.5km az=16.0

ISC 05 04:31:25.2:0.4,21.95S:0:07:169:48E:0:10, h25km, n109, o#87/106, mb5.6/48.5C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZM, DZM, DZM, DZM, DZM, etc.

Table with columns: WBO, IAMB, IAMB, 04 38 11.1, etc. Includes stations like KDAK, KDAK, KDAK, KDAK, KDAK, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like AS31, ASAR, ASAR, ASAR, ASAR, etc.

5d 4h

Table with columns: Code, Station Name, Frequency, Band, Mode, and other parameters. Includes stations like NVAR Mina Array Bea, H04A Detroit Lake, TPH Tonopah, etc.

ISC 05 04:39:12.2, 2.4, 22.115, 169.56E, h0km, mb4.3/5, mblmp4.3/5, Error ellipse: s-maj=93.4km s-min=32.3km az=158.0

ISC 05 04:39:15.5, 2.1, 22.225, 0.6, 169.6E, 0.3, h25km, n7, o08777, mb4.2/5, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Frequency, Band, Mode, and other parameters. Includes stations like ASAR Alice Springs, WRA Warrungunga Arr, KSR5 Korea Array, etc.

ISC 05 04:41:27.0, 2.7, 21.955, 169.59E, h0km, mb4.7/10, mblmp4.7/11, ML5.2/2, Error ellipse: s-maj=23.4km s-min=18.7km az=157.0

NEIC 05 04:41:29.5, 1.1, 22.15, 0.1, 169.6E, 0.1, h10km, 1km, mb4.9/17, Error ellipse: s-maj=25.1km s-min=15.7km az=177.0

ISC 05 04:41:30.6, 0.5, 22.15, 0.1, 169.6E, 0.7, h25km, n63, o15193, mb4.8/23, 5C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Frequency, Band, Mode, and other parameters. Includes stations like ONTNC Ouen Toro, DZM Mont Dzumac, RAO Raoul Island, etc.

2018 DEC

Table with columns: Code, Station Name, Frequency, Band, Mode, and other parameters. Includes stations like NJ2 Nanjing, PETK Petropavlovsk, MAW Mawson, etc.

ISC 05 04:41:53.7, 0.5, 21.955, 169.44E, h0km, mb4.7/19, mblmp4.7/22, ML4.2/2, Error ellipse: s-maj=17.2km s-min=15.1km az=85.0

MOS 05 04:41:54.1, 1.5, 21.875, 169.38E, h10km, mb5.8/23, Error ellipse: s-maj=11.6km s-min=10.6km az=174.9

NEIC 05 04:41:56.3, 1.3, 21.75, 0.1, 169.2E, 0.1, h10km, 1km, mb5.8/99, Error ellipse: s-maj=19.9km s-min=15.9km az=179.0

BUI 05 04:41:57.9, 2.1, 38S, 168.87E, h10km, mb5.1/24, ISC 05 04:41:58.0, 0.3, 21.945, 0.0, 169.33E, 0.0, h25km, n264, o193258, mb5.6/95, 26C-16D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Frequency, Band, Mode, and other parameters. Includes stations like DZM Mont Dzumac, ONTNC Ouen Toro, RTZ Ruatahunu, etc.

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Table with columns: Code, Station Name, Frequency, Band, Mode, and other parameters. Includes stations like VVND Vanda, VVND Vanda, MAW Mawson, etc.

Table with columns: Station Name, Frequency, Power, Modulation, Distance, Azimuth, Elevation, and other technical details for various radio stations.

Table with columns: Station Name, Frequency, Power, Modulation, Distance, Azimuth, Elevation, and other technical details for various radio stations.

Table with columns: Code, Station Name, Frequency, Power, Modulation, Distance, Azimuth, Elevation, and other technical details for various radio stations.

Table listing radio stations with columns: RTZ, Station Name, Frequency, Power, Mode, and various parameters like SNR and speed.

Table listing radio stations with columns: TOO, Station Name, Frequency, Power, Mode, and various parameters like SNR and speed.

Table listing radio stations with columns: LOGN, Station Name, Frequency, Power, Mode, and various parameters like SNR and speed.

MOS 05 04:50:17.6t:1.2, 22.035:169.48E, h10km, mb5.5/18, Error ellipse: s-maj=17.4km s-min=12.0km az=172.4

ELIB Princess Elina 83.39 190 dP P 05 02 46.7 -0.8

TXAR Lajitas Array 98.00 62 P P 05 03 57.0 -0.1

2019 DEC

5d 4h

Table listing stations (e.g., GZUR, SARR, SIRR) with columns for frequency, signal strength, and status. Includes various call signs and technical specifications.

335 GZUR Gura Zlata 144.16 319 PKP2 PKPab 05 09 54.8 +0.8
SARR Surduc 144.38 319 P PKPab 05 09 55.3 +0.5
SIRR Siria 144.39 320 J PKPab 05 09 55.5 +0.7
PSZ Piszkesteto 144.48 324 PKPab 05 09 55.9 +0.7
PSZ Piszkesteto 144.48 324 PKPab 05 09 56.1 +1.0

Table listing stations (e.g., ARMA, MRZ, RPZ) with columns for frequency, signal strength, and status. Includes various call signs and technical specifications.

Table listing stations (e.g., CTAO, CTAO, CTAO) with columns for frequency, signal strength, and status. Includes various call signs and technical specifications.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PETK, NVAR, ILAR, DLBC, EKA, GERES.

IDC 05 05:03:47.7-1.0, 22:21S:169:91E, h0km, mb4.1/6, mbmp4.0/6, Error ellipse: s-maj=37.7km s-min=31.0km az=139.0

ISC 05 05:03:51.0-0.9, 22:15S:169:90E, h25km, n14, c0552/13, mb4.4/9, 5C-1D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ASAR, WRA, QSPA, TROLL, SNA, SNA, SNA, VNA, VNA, VNA, NVAR, ILAR, EKA, GERES.

IDC 05 05:04:43.1-2.6, 22:07S:169:31E, h0km, mb4.3/4, mbmp4.3/5, ML4.2/1, Error ellipse: s-maj=90.2km s-min=37.4km az=176.0

ISC 05 05:04:51.2-0.9, 21:52S:168:90E, h29km, n22, c1558/22, mb4.5/7, 5C, Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZM, DZM, MJAR, KSRS, TROLL, SNA, VNA, VNA, VNA, NVAR, DPC, PVCC, EKA, RONA, KHC, GERES, LES, WTTA, MOTA, SQA, FETA, DAVA.

IDC 05 05:06:38.3-1.2, 22:04S:169:33E, h0km, mb4.0/6, mbmp4.0/6, Error ellipse: s-maj=54.1km s-min=32.5km az=154.0

ISC 05 05:06:42.0-0.9, 22:15S:169:30E, h25km, n12, c0569/12, mb4.2/8, 3C-1D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ASAR, WRA, TROLL, SNA, SNA, VNA, VNA, VNA, NVAR, ILAR, EKA, GERES.

SJA 05 05:07:56.3-0.5, 21:63S:70:35W, h19km, 2km, ML3.2, MW3.3

GUC 05 05:07:58.7-0.7, 21:63S:70:34W, h19km, 9km, ML3.5

ISC 05 05:07:57.4-1.4, 21:61S:02:70:34W, h10km, 5km, n26, c096/44, 1C-5D, Near coast of northern Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZM, DZM, DZM.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PB04, PATCX, PATCX, PATCX, PB01, PB01, PB01, PB09, PB09, PB09, TA01, TA01, TA01, TA01, TA01, PB06, PB06, PB06, TA02, TA02, TA02, HMBC, HMBC, HMBC, HMBC, HMBC, PB15, PB15, PB15, PB15, PB15, PB08, PB08, PB08, GO01, GO01, GO01, AF01, AF01, AF01, PB14, PB14, PB14, AP01, AP01, AP01.

IDC 05 05:09:37.6-5.1, 20:96S:169:20E, h0km, mb3.9/3, mbmp4.0/4, ML4.1/1, Error ellipse: s-maj=230.5km s-min=26.5km az=148.0

ISC 05 05:09:35.7-1.1, 22:25S:0:3:169:90E, h125km, n10, c0827/11, mb4.3/5, 4C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZM, DZM, ASAR, WRA, TROLL, SNA, SNA, VNA, VNA, VNA, ILAR, EKA, GERES.

IDC 05 05:13:20.2-1.1, 22:06S:169:46E, h0km, mb4.0/5, mbmp3.9/5, Error ellipse: s-maj=43.4km s-min=30.7km az=152.0

ISC 05 05:13:24.1-0.9, 22:05S:169:40E, h25km, n10, c0544/10, mb4.0/7, 4C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ASAR, WRA, QSPA, TROLL, SNA, SNA, VNA, VNA, VNA, NVAR, ILAR, EKA.

IDC 05 05:16:06.4-1.2, 24:93S:179:92E, h508km, 16km, mb3.6/4, mbmp4.7/7, Error ellipse: s-maj=24.4km s-min=19.2km az=169.0

NEIC 05 05:16:06.7-0.9, 25:05S:0:1:180:0E, h2, h517km, 12km, mb4.5/13, Error ellipse: s-maj=25.9km s-min=15.6km az=129.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZM, DZM, DZM.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like RIZ, RAO, RAO, NIUE, OUZ, MXZ, MXZ, MXZ, WMGZ, WMGZ, WMGZ, PUZ, PUZ, PUZ, URZ, URZ, URZ, MWZ, MWZ, MWZ, RIGZ, RIGZ, RIGZ, HIZ, HIZ, HIZ, MHGZ, MHGZ, MHGZ, MCHZ, MCHZ, MCHZ, TSZ, TSZ, TSZ, MRZ, MRZ, MRZ, CAW, CAW, CAW, BHW, BHW, BHW, BNZ, BNZ, BNZ, THZ, THZ, THZ, KHZ, KHZ, KHZ, GYZ, GYZ, GYZ, LTZ, LTZ, LTZ, CTW, CTW, CTW, VVZ, VVZ, VVZ, CTAO, CTAO, CTAO, STKA, STKA, STKA, COEN, COEN, COEN, BBOO, BBOO, BBOO, AS31, AS31, AS31, ASAR, ASAR, ASAR, WB2, WB2, WB2, WB0, WB0, WB0, WRA, WRA, WRA, FOR, FOR, FOR, FOR, FOR, FOR, KNRA, KNRA, KNRA, HHM, HHM, HHM, PFA00, PFA00, PFA00, MBWA, MBWA, MBWA, MORW, MORW, MORW, TXAR, TXAR, TXAR, ARCES, ARCES, ARCES, NB2, NB2, NB2, NOA, NOA, NOA, HFS, HFS, HFS, AKAS, AKAS, AKAS.

IDC 05 05:17:00.8-1.2, 22:24S:169:18E, h0km, mb4.1/5, mbmp4.1/6, ML3.2/1, Error ellipse: s-maj=47.4km s-min=25.9km az=174.0

ISC 05 05:17:05.7-1.0, 22:21S:0:3:169:10E, h31km, n12, c0579/13, mb4.3/8, 5C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZM, DZM, DZM, ASAR, ASAR, ASAR, WRA, WRA, WRA, TROLL, TROLL, TROLL, SNA, SNA, SNA, VNA, VNA, VNA, NVAR, NVAR, NVAR, EKA, EKA, EKA.

IDC 05 05:17:00.8-1.2, 22:24S:169:18E, h0km, mb4.1/5, mbmp4.1/6, ML3.2/1, Error ellipse: s-maj=47.4km s-min=25.9km az=174.0

ISC 05 05:17:05.7-1.0, 22:21S:0:3:169:10E, h31km, n12, c0579/13, mb4.3/8, 5C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZM, DZM, DZM, ASAR, ASAR, ASAR, WRA, WRA, WRA, TROLL, TROLL, TROLL, SNA, SNA, SNA, VNA, VNA, VNA, NVAR, NVAR, NVAR, EKA, EKA, EKA.

IDC 05 05:21:19.9-1.1, 21:83S:169:62E, h0km, mb4.1/7, mbmp4.1/8, ML4.3/1, Error ellipse: s-maj=40.8km s-min=23.3km az=154.0

NEIC 05 05:21:22.8-2.3, 22:05S:0:2:169:4E, h10km, 1km, mb4.5/11, Error ellipse: s-maj=37.1km s-min=19.1km az=357.0

ISC 05 05:21:24.9-0.7, 21:83S:0:2:169:33E, h029km, n32, c143/29, mb4.4/13, 4C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZM, DZM, DZM, DZM, DZM, DZM.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Ouen Toro, Nonsavu, Stephens Creek, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like G001, LPAZ, SAML, ETMB, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SNA4, SNA5, VNA3, VNA2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GSPA South Pole Qui, CMAR Chiang Mai Arr, TROLL Troil, Antarti, SNAA Sanae, SNAA Sanae, VNA3 Neumayer Olymp, VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, VNA2 Neumayer-Watz, SONM Songino Array B, NVAR Mina Array Bea, EKA Eskdalemuir Ar, GERES GERESS Array B.

IDC 05 05:37:00.3, 5.1, 21.16Sx168.49E, h0km, mb3.5/2, mbtmp3.5/3, Error ellipse: s-maj=215.0km s-min=30.4km az=146.0, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, DZM Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, EKA Eskdalemuir Ar, GERES GERESS Array B.

THE 05:37:22.5, 37.34N-20.83E, h11km, ML2.8/9, Error ellipse: s-maj=1.6km s-min=0.6km az=45.0, Manual Solution by A. Papageorgiou First location: 2018/12/05 05:38:30, This location: 2019/02/20 06:12:49

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KRI1 KERI, LTHK Lithakia, LTHK Lithakia, KYPS Kipseli, ZARO Zacharo, ZARO Zacharo, AMT Artemida-Makis, RTZL RTZL, PSDA Pessada-Kefalo, PSDA Pessada-Kefalo, RLS Riolos of Patr, VLS Valsamata, VLS Valsamata, PYL1 Pylos, DRO Drossia, DRO Drossia, PYL2 Kinigos, ITM Ithomi, ITM Ithomi, AXS Araxos, PYL PYLOS, SMHA Samh, DMLN Damouliantata-K, DMLN Damouliantata-K, FSK Fiskardo, FSK Fiskardo, KLV Kalavryta, ACH Ach, EVGI Lefkada island, EVGI Lefkada island, GUR Goura, EFP Efpalio, PVO Paravola, LKX2 Lefkada island, ANX Anora, TSLK Tsoukalades, L.

IDC 05 05:37:31.7, 3.4, 20.33Sx168.75E, h0km, mb3.9/3, mbtmp3.9/3, Error ellipse: s-maj=243.8km s-min=35.7km az=160.0, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes station WRA Warramunga Arr.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations ASAR Alice Springs, NVAR Mina Array Bea.

IDC 05 05:38:23.1, 3.1, 21.25Sx168.84E, h0km, mb3.6/3, mbtmp3.6/4, ML3.5/1, Error ellipse: s-maj=185.6km s-min=31.2km az=156.0

ISC 05 05:38:26.5, 1.1, 21.85Sx169.0E:0.1, h31km, n13, c1540/14, mb4.4/8, 4C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations DZM Mont Dzumac, DZM Warramunga Arr, WRA Warramunga Arr, TROLL Troil, Antarti, TROLL Troil, Antarti, SNAA Sanae, SNAA Sanae, VNA3 Neumayer Olymp, VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, VNA2 Neumayer-Watz, NVAR Mina Array Bea, GERES GERESS Array B.

IDC 05 05:39:16.3, 1.0, 21.7, 93Sx169.36E, h0km, mb4.2/6, mbtmp4.2/7, Error ellipse: s-maj=35.4km s-min=25.9km az=155.0

ISC 05 05:39:19.6, 0.8, 22.0Sx169.36E:0.1, h25km, n13, c1540/14, mb4.4/8, 4C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations DZM Mont Dzumac, DZM Warramunga Arr, ASAR Alice Springs, WRA Warramunga Arr, GSPA South Pole Qui, PETK Petropavlovsk, TROLL Troil, Antarti, SNAA Sanae, VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, SONM Songino Array B, NVAR Mina Array Bea, EKA Eskdalemuir Ar, GERES GERESS Array B.

IDC 05 05:42:00.9, 1.0, 22.01Sx169.11E, h0km, mb4.2/12, mbtmp4.1/13, ML3.9/1, Error ellipse: s-maj=33.6km s-min=21.3km az=158.0

NEIC 05 05:42:03.0, 1.0, 22.1Sx169.16E:0.5, h10km, 2km, mb4.4/6, Error ellipse: s-maj=45.0km s-min=8.1km az=4.0

ISC 05 05:42:05.7, 0.6, 22.0Sx169.08E:0.09, h31km, n13, c0854/22, mb4.4/17, 4C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations DZM Mont Dzumac, DZM Warramunga Arr, DZM Warramunga Arr, ONTC Ovent Toro, EIDS Eidsvold, PMG Port Moresby, STKA Stephens Creek, ASAR Alice Springs, WB2 Warramunga Arr, WB2 Warramunga Arr, WRAB Tennant Creek, WRAB Tennant Creek, WRA Warramunga Arr, WRA Warramunga Arr, MJAR Matsuhiro Array, USRK Ussuriysk Arr, BELA Belgrano 2, CMAR Chiang Mai Arr, TROLL Troil, Antarti, SNAA Sanae, SNAA Sanae, VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, SONM Songino Array, NVAR Mina Array Bea, ILAR Eielson Array, TXAR Lajitas Array.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations EKA Eskdalemuir Ar, RONA Rossa, CONA Conrad Observa, KHC Kasperke Hory, GERES GERESS Array B, MOA Molin, SOKA Soboth, LESA Schwarzealot, ABTA Abtattersbach, WATA Walderalm, WTTA Wattenberg, MOTA Moosalm, SQTA Sankt Quirin, FETA Feichten, DAVA Damuels, ESDC Esders Array.

OMAN 05 05:47:05.8, 0.1, 26.91Nx55.71E, h10km, mb4.8/1, ml2.8/7, Error ellipse: s-maj=1.2km s-min=1.1km az=317.0

DSN 05 05:47:07.1, 1.1, 26.73N:55.51E, h10km, ML2.5/4, Error ellipse: s-maj=14.0km s-min=3.4km az=21.0

ISC 05 05:47:06.2, 2.9, 26.93N:0.1:55.71E:0.08, h10km, n27, c110/45, Southern Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations SHME Sham, SHME Sham, SHME Sham, BANOM Banah, BANOM Banah, UMM Um Al-Quwin, MASF Masafi, MASF Esma-Masafi, MISFE Madha, MDH Madha, MDH Madha, NAZ Nazwa, Dubai, UOSS Minazif, UOSS Minazif, UOSS Minazif, HATD Hatta, Dubai, HATD Hatta, Dubai, JASK Jask - Hormozg, JASK Jask - Hormozg, ASHO Ashiyah, ASHO Ashiyah, ASHO Ashiyah, ASUD Al Ashush, Dub, ASUD Al Ashush, Dub, AJAN Ajban, ALNE Al Ain, ALNE Al Ain, SOHO SOHO, SOHO SOHO, WSAR Wadi Sarin, WSAR Wadi Sarin, MHTO MHTO, MHTO MHTO, WHFO Wadi Hawf, ABTO Aybut.

IDC 05 05:48:46.6, 3.2, 21.41Sx169.16E, h0km, mb3.7/4, mbtmp3.7/5, ML3.3/1, Error ellipse: s-maj=170.5km s-min=23.4km az=157.0

ISC 05 05:48:50.6, 2.9, 21.5Sx169.2E:0.4, h29km, n6, c1803/7, mb3.7/4, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations DZM Mont Dzumac, DZM Warramunga Arr, ASAR Alice Springs, NVAR Mina Array Bea, ILAR Eielson Array, EKA Eskdalemuir Ar.

IDC 05 05:52:35.9, 0.7, 40.17N:77.44E, h0km, mb4.1/18, mbtmp4.2/24, ML3.8/6, Error ellipse: s-maj=15.2km s-min=11.7km az=41.0

KRNET 05 05:52:36.4, 0.1, 40.32N:77.55E, mb4.7, MOS 05 05:52:36.7, 0.9, 40.18N:77.55E, h11km, mb4.5/9, Error ellipse: s-maj=5.8km s-min=3.5km az=107.7

BUI 05 05:52:37.4, 0.7, 40.39N:77.45E, h13km, mb4.3/20, ML4.4/9, NEIC 05 05:52:38.4, 1.1, 40.30N:0.06:77.63E:0.08, h10km, 1km, mb4.6/46, Error ellipse: s-maj=11.6km s-min=9.1km az=142.0

SOME 05 05:52:38.4, 0.4, 40.39N:77.48E, h10km, MS4-1, NNC 05 05:52:40.9, 0.8, 40.49N:77.35E, h0km, mb5.2, mpv5.0, Error ellipse: s-maj=6.2km s-min=5.1km az=148.0

ISC 05 05:52:38.5, 0.7, 40.26N:0.03:77.55E:0.02, h15km, 4km, n306, c191/383, mb4.5/49, 48C-37, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations KSH Kashi, KSH Kashi, KSH Kashi, WUS Wush, KDJ Kajisay, KDJ Kajisay, KDJ Kajisay, ULHL Ulhal, ULHL Ulhal, ULHL Ulhal, PRZ Przheval'sk, PRZ Przheval'sk.

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Table with columns for station call letters, frequency, power, and coordinates. Includes stations like ANVS, BOOM, TNS, MDO, etc. across various frequency bands.

Table with columns for station name, frequency, power, and other technical details. Includes stations like KUNDAL, BVAO, BRVK, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like MLR, YAK, KLR, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like NIUE, AFI, MSWZ, etc.

ADC 05:05:33.043.0.5.22.30Sx169.87E, h0km, mb4.8/20, mbmp4.8/22, ML4.2/2, Error ellipse: s-maj=19.8km s-min=13.9km az=88.0
BUJ 05:05:33.05.0.21.87S:169.86E, h7km, mb5.1/47
MOS 05:05:33.05.8.1.2.22.33S:169.84E, h21km, mb5.5/20, Error ellipse: s-maj=10.3km s-min=9.4km az=166.1
NEIC 05:05:33.06.1.1.8.22.41S:0.09.169.82E, 0.07, h10km, 1km, mb5.3/149, Error ellipse: s-maj=15.1km s-min=11.0km az=168.0
NOU 05:05:33.13.6.22.05S:169.51E, h49km, mb5.1/78, Southeast of Loyalty Islands
ISC 05:05:33.05.6.0.3.22.34S:0.05.169.71E, 0.05, h10km, n688, s157/631, mb5.2/143, 14C-22D, Southeast of Loyalty Islands

Table with columns for Code, Station Name, Az, Phase, ID, Time, Res, h, n, s. Includes stations like YATNC, OUEUC, ONTNC, etc.

Table with columns for station ID, name, latitude, longitude, frequency, and other technical details. Includes stations like WAT6 Susitna Watana, BLYC Blythe, I20K Naagleneel, etc.

Table with columns for station ID, name, latitude, longitude, frequency, and other technical details. Includes stations like SCRR Sand Creek, BCAR Beaver Creek, J25K Salcha River, etc.

Table with columns for station ID, name, latitude, longitude, frequency, and other technical details. Includes stations like F28M Old Crow, G29M Pine Creek, EPYK Eagle Plains, etc.

Table with columns for station name, station ID, elevation, and various parameters. Includes stations like CKRC, KKRK, KHC, KXK, etc.

IDC 05 06:00:30.0, 2.1, 21.92S; 169.17E, h0km, mb3.9/6, mbmp3.9/7, ML4.0/1, Error ellipse: s-maj=34.4km s-min=24.5km az=177.0

ISC 05 06:00:34.6, 0.9, 22.0S; 02.169.22E:0.1, h31km, n14, 0.94/15, mb4.4/9.5C, Southeast of Loyalty Islands

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and other parameters. Includes stations like DZM, ASAR, WRA, GSPA, etc.

IDC 05 06:03:40.9, 0.8, 21.92S; 169.25E, h0km, mb4.3/6, mbmp4.2/7, ML3.8/1, Error ellipse: s-maj=30.7km s-min=22.4km az=173.0

ISC 05 06:03:44.6, 0.8, 21.5S; 02.169.3E:0.1, h25km, n17, 1.15/24/18, mb4.4/10, 5C, Southeast of Loyalty Islands

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and other parameters. Includes stations like DZM, STKA, ASAR, WRA, GSPA, etc.

Table with columns for station name, station ID, elevation, and various parameters. Includes stations like SONM, NVAR, ARCES, EKA, etc.

IDC 05 06:05:01.3, 0.8, 22.07S; 169.34E, h0km, mb4.2/10, mbmp4.2/11, Error ellipse: s-maj=27.8km s-min=21.2km az=168.0

ISC 05 06:05:05.2, 0.7, 22.1S; 0.2.169.32E:0.09, h25km, n17, 0.85/18, mb4.3/12.4C, Southeast of Loyalty Islands

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and other parameters. Includes stations like DZM, STKA, ASAR, WRA, GSPA, etc.

IDC 05 06:07:07.3, 0.8, 22.27S; 169.42E, h0km, mb4.3/8, mbmp4.3/8, Error ellipse: s-maj=27.7km s-min=27.7km az=76.0

ISC 05 06:07:10.8, 0.7, 22.2S; 0.2.169.5E:0.2, h25km, n18, 0.95/19, mb4.4/12.5C, Southeast of Loyalty Islands

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and other parameters. Includes stations like ASAR, WRA, GSPA, KSR, etc.

SDD 05 06:08:34.5, 2.1, 20.22N; 70.75W, h23km, 101km, MD3.1, ML2.3, MW3.3

OSPL 05 06:08:37.4, 3.1, 20.08N; 70.85W, h0km, 15km, ML2.2

ISC 05 06:08:35.0, 1.3, 20.10N; 0.04.70.79W, 0.07, h18km, 4km, n12, 0.84/24, 8C-4D, Dominican Republic

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and other parameters. Includes stations like MADR, SC01, SDDR, etc.

Table with columns for station name, station ID, elevation, and various parameters. Includes stations like LONE3, LODE3, LON3E, etc.

IDC 05 06:09:02.0, 0.9, 22.22S; 169.37E, h0km, mb4.1/8, mbmp4.1/10, ML3.6/2, Error ellipse: s-maj=28.2km s-min=21.9km az=0.0

NEIC 05 06:09:06.0, 0.5, 21.8S; 0.2.169.0E:0.2, h10km, n24, mb4.3/6, Error ellipse: s-maj=92.1km s-min=6.2km az=163.0

ISC 05 06:09:04.3, 0.8, 22.1S; 0.2.169.22E:0.09, h10km, n24, 0.92/20, mb4.3/14.4C, Southeast of Loyalty Islands

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and other parameters. Includes stations like ONTNC, DZM, URZ, STKA, etc.

IDC 05 06:11:26.7, 1.5, 22.08S; 169.01E, h0km, mb3.7/4, mbmp3.7/5, ML3.7/1, Error ellipse: s-maj=52.7km s-min=20.1km az=4.0

ISC 05 06:11:31.1, 1.5, 22.0S; 0.3.169.93E:0.09, h31km, n6, 0.85/7, mb3.8/5, New Caledonia

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and other parameters. Includes stations like DZM, ASAR, WRA, PPT, etc.

IDC 05 06:12:26.3, 8.2, 19.74S; 179.77E, h454km, 56km, mb3.1/3, mbmp3.8/4, Error ellipse: s-maj=260.4km s-min=26.7km az=152.0, South of Fiji Islands

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and other parameters. Includes stations like MSVF, WRA, ASAR, NVAR, etc.

IDC 05 06:13:29.7, 0.8, 21.93S; 169.63E, h0km, mb4.3/9, mbmp4.2/10, ML4.2/1, Error ellipse: s-maj=28.5km s-min=21.8km az=149.0

ISC 05 06:13:33.9, 0.7, 21.8S; 0.2.169.48E:0.10, h25km, n24, 1.15/26/21, mb4.3/11.4C, Southeast of Loyalty Islands

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and other parameters. Includes stations like DZM, STKA, ASAR, WRA, GSPA, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like N15K Kwethluk River, I04A Tendick Farm, P18K Big Mountain, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like PMR Palmer, MVU Marysvalle, V35K Ketchikan, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like MCK McKinley, TXAR Lajitas Array, PAX Paxson, etc.

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like R33M Jennings River, N31M Braeburn, Yoko, etc.

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like CHTO Chiang Mai, D20K Etivluk River, BTO Baotou, etc.

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like TAXI, A36M Sachs Harbour, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Ulice, Dobruska-Polom, Moravsky Berou, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PVAQ, Vaqueiros, TOR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRAB, Tennant Creek, WRA, etc.

Table with columns: DZM, Station Name, Time, Res, ISC. Includes stations like Alice Springs, Warramunga Arr, Mina Array Bea.

ICD 05:06:36:50.3,0.6,22.03'S:169.36'E, h0km, mb4.6/12, mbmp4.6/13, MLD.4.1, Error ellipse: s-maj=20.3km s-min=19.0km az=118.0

NEIC 05:06:36:56.7,1.6,22.24'S:0.05'E:168.74E:0.07, h10km, 1km, mb4.9/32, Error ellipse: s-maj=11.2km s-min=7.7km az=78.0

ISC 05:06:36:56.9,0.4,22.21'S:0.08'E:169.00E:0.06, h31km, n89, e171/87, mb4.8/38, 1C-5D, New Caledonia

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Ouen Toro, Mont Dzumac.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Nonsavu, Lord Howe Isla.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Charters Tower, Canbera.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Coen, Stephens Creek.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Buckleboo, Warramunga Arr.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Warramunga Arr, Warramunga Arr.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Warramunga Arr, Warramunga Arr.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Warramunga Arr, Warramunga Arr.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Warramunga Arr, Warramunga Arr.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Warramunga Arr, Warramunga Arr.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Warramunga Arr, Warramunga Arr.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Warramunga Arr, Warramunga Arr.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Warramunga Arr, Warramunga Arr.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Warramunga Arr, Warramunga Arr.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Warramunga Arr, Warramunga Arr.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Warramunga Arr, Warramunga Arr.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Warramunga Arr, Warramunga Arr.

Table with columns: E19K, Station Name, Time, Res, ISC. Includes stations like Redstone River, Circle Bar.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Anaktuvuk Pass, Pinedale Array.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Urumqi, Yellowknife Arr.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Brasilia, ARCES ARCESS Array B.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like NOARSAR Array B, Dobruska-Polom.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Berggiesshuell, Berggiesshuell.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like RONA, ROSALIA, ONA.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like CONA, Cesky Krumlov, KHC.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like GERSER, KOELBREINSPER, LESA.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like ABTA, WTTA, MOTTA.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like FETA, TORD, TORD.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like TORD, TORD.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like TORD, TORD.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like TORD, TORD.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like TORD, TORD.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like TORD, TORD.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like TORD, TORD.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like TORD, TORD.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like TORD, TORD.

Table with columns: LL8C, Station Name, Time, Res, ISC. Includes stations like La Loma 8 Chkm, Ortega, Tolima.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Prado, Apartado, Choc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like La Uribe, Meta, Ariguani, Magd.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Santo Domingo, Macarena, Meta.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Cerrejón, Guaj, Garzon, Huila.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Florencia, Uribia, Colomb.

BUI 05:06:43:04.0,2.1,21.90'S:170.00'E, h10km, mb5.4/81, mb6.6/37, Mb6.4/70, Mb7.6/168

NEIC 05:06:43:04.1,2.0,22.06'S:0.08'E:169.73E:0.07, h10km, 1km, Mb5.8/288, Ms-20.6/541, Mw66.6/50, Error ellipse: s-maj=13.0km s-min=11.1km az=177.0

ICD 05:06:43:04.0,6.0,4.1,21.68'S:169.58'E, h0km, mb4.9/20, mbmp4.9/23, MLD.4/3, MS6.3/ML3, Error ellipse: s-maj=13.8km s-min=12.3km az=13.0

NEIC 05:06:43:05.22.11'S:169.86'E, h18km, Moment Tensor Solution. Duration: 11s1 Moment tensor: Scale 10.91Nnm; Mn:0.95; Mo:0.42; Mw:0.54; Mo:0.31; Mw:0.53; Mw:0.17;

Fault plane solution: Mo1.04000x1019 NP2: 0s131.240000; s54.800000; A81.710000; Principal axes: 0s325.430000; s36.040000; A101.560000;

NEIC 05:06:43:06.4,1.7,22.01'S:169.55'E, h14km, mb6.0/43, MS6.3/37, Error ellipse: s-maj=9.8km s-min=7.6km az=120.3

NOU 05:06:43:12.8,2.1,21.97'S:169.63'E, h34km, ML6.3/161, Southeast of Loyalty Islands

GCMT 05:06:43:17.1,0.1,21.98'S:0.01'E:169.81E:0.01, h18km, Mw6.7/160, Moment Tensor Solution. s152.c271; s160.c431;

Duration: 5s4 Moment tensor: Scale 1019 Nnm; Mn:1.14; Mo:0.2; Mw:0.49; O1; Mw:0.65; O1; Mw:0.43; Mo:0.56; O1; Mw:0.67; O1; Best double couple: Mo:1.38100x1019 NP1:0s145.000000; s62.000000;

NEIC 05:06:43:07.0,0.2,22.10'S:169.85E:0.03, h16km, 2km, h16km, P-P, n1601, e211/1291, mb5.8/344, MS6.6/388, 78C-66D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like PORTLAGUERRE, Ouen Island.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Ouen Island, Ouen Toro.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Ouen Toro, Ouen Toro.

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Table with columns for station call sign, name, frequency, and other details. Includes stations like URZ Urewera, GD1S Gladstone Sft, RTZ Ruatuhia, etc.

Table with columns for station call sign, name, frequency, and other details. Includes stations like PMG Port Moresby, AUSS Sale College, AUAMC Moama Anglican, etc.

Table with columns for station call sign, name, frequency, and other details. Includes stations like MTN Mantou Dam, WRKA Warakurna, WRKA Warakurna, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SGSI Sangihe, LUWI Luwuk, and various regional stations.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like JUNU Nakatsue, JSD Sado, and various regional stations.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like PSTR Posyet, GSI Gunungsitoli, and various regional stations.

Table with columns: Station ID, Name, Date, Time, Status, and Value. Includes stations like SKAG Skagway, US3K Hyder, BVCY Beaver Creek, etc.

Table with columns: Station ID, Name, Date, Time, Status, and Value. Includes stations like G24K comp=Z,75nm,1.5s, G24K Hadweenzic Riv, H03S2 Juan Fernandez, etc.

Table with columns: Station ID, Name, Date, Time, Status, and Value. Includes stations like B22K Teshekpuq Lake, J30M Hart River, J30M Hart River, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like AKASG, AKBB, AKIEV, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like BRG, BRG, BRG, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like GERES, GERES, GERES, etc.

Table with columns: MVO, PVIS, MTE, ESDC, etc. containing station names, coordinates, and status information.

Table with columns: WBO, WRA, WRA, MTN, MTN, FORT, FORT, etc. containing station names, coordinates, and status information.

Table with columns: J08A, G08A, O30N, X16A, U15A, WUAZ, TXAR, etc. containing station names, coordinates, and status information.

IDC 05 06:48:49.1s 1.1, 23.02'S; 169.42E, h0km, mb4.1/6, mbtmp4.07, ML3.5/1, Error ellipse: s-maj=44.1km

ISC 05 06:48:52.3, 0.9, 2.77S; 0.2, 169.5E; 0.1, h23km, n16, +043/16, mb4.1/8, 4C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. listing station details for the IDC and ISC events.

IDC 05 06:48:54.8, 3.2, 53.75N; 88.16E, h0km, mbtmp3.2/2, ML2.7/2, Error ellipse: s-maj=29.9km s-min=19.3km

az=48.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. listing station details for the IDC and ISC events.

NEIC 05 06:57:48.8, 0.8, 21.4S; 0.4, 171.21E; 0.09, h10km, 2km, mb4.4/8, Error ellipse: s-maj=69.2km s-min=14.3km

az=357.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. listing station details for the NEIC event.

IDC 05 06:51:44.7, 0.6, 21.69S; 169.13E, h0km, mb4.7/18, mbtmp4.7/21, ML4.7/3, Error ellipse: s-maj=17.5km

s-min=17.3km az=101.0

BJI 05 06:51:45.0, 21.14S; 169.29E, h5km, mb5.0/19, mB5.1/1

NEIC 05 06:51:45.1, 1.9, 21.9S; 0.1, 169.25E; 0.08, h10km, 1km, mb4.9/60, Error ellipse: s-maj=21.9km s-min=11.6km

az=166.0

ISC 05 06:51:45.5, 0.4, 21.82S; 0.08, 169.20E; 0.06, h10km, n141, +1544/127, mb4.9/61, 8C-4D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. listing station details for the IDC, ISC, and NEIC events.

IDC 05 06:51:45.5, 0.4, 21.82S; 0.08, 169.20E; 0.06, h10km, n141, +1544/127, mb4.9/61, 8C-4D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. listing station details for the IDC, ISC, and NEIC events.

IDC 05 06:57:59.6, 0.8, 22.00S; 169.66E, h0km, mb4.3/10, mbtmp4.2/11, ML3.8/1, Error ellipse: s-maj=28.1km

az=151.1

ISC 05 06:58:01.0, 0.7, 22.00S; 0.2, 169.60E; 0.08, h10km, n28, +1830/29, mb4.4/17, 4C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. listing station details for the IDC, ISC, and NEIC events.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BBOO Buckleboo, WRO Warramunga Arr, AS31 Alice Springs, etc.

IDC 05:07:25:57.0, 3.6, 21.88Sx169.26E, h0km, mb3.9/2, mbtmp3.9/3, Error ellipse: s-maj=175.7km s-min=33.2km az=162.0

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 Kurly, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, TROLL Troll, ANTARTI, etc.

IDC 05:07:29:12.9, 5.5, 21.19Sx169.89E, h0km, mb3.6/2, mbtmp3.7/3, ML3.7/1, Error ellipse: s-maj=252.2km s-min=39.3km az=154.0, Southeast of Loyalty 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, WRA Warramunga Arr, ASAR Alice Springs, etc.

NNC 05:07:29:23.6, 0.6, 42.88Nx78.09E, h0km, mb3.4, mpv3.5, Error ellipse: s-maj=5.9km s-min=2.0km az=168.0

SOME 05:07:29:23.3, 42.83N, 78.07E, h15km, KRNET 05:07:29:24.1, 42.80N, 78.06E, h24km, mb2.7

ISC 05:07:29:23.5, 1.1, 42.85N, 0.02, 78.03E, 0.02, h2km, 10km, n52, e138/11, 17C-9D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ANVS Anan'yevko, ZHN Zhinshike, ZHN Zhinshike, etc.

NNC 05:07:30:45.6, 4.5, 53.75N, 90.93E, h1km, 22km, mb3.5, mpv3.2, 10C-3D, Error ellipse: s-maj=38.3km s-min=27.4km az=28.0, Suspected Mining explosion., Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ZAAO Zalesovo Array, ZAAO Kurchatov, KURK Kurchatov, etc.

IDC 05:07:32:29.7, 1.0, 21.67Sx169.40E, h0km, mb3.8/5, mbtmp3.8/6, ML3.2/1, Error ellipse: s-maj=37.7km s-min=24.6km az=168.0

ISC 05:07:32:32.8, 0.9, 21.65S, 0.2, 169.40E, 0.1, h21km, n9, e095/11, mb3.8/5, Southeast of Loyalty 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 Kurly, ASAR Alice Springs, etc.

IDC 05:07:36:51.1, 2.3, 20.40Sx168.50E, h0km, mb3.5/3, mbtmp3.5/4, ML3.1/1, Error ellipse: s-maj=92.3km s-min=28.9km az=145.0, Loyalty 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 Kurly, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KUU 30nm, 0.2s, DGS Degeres, DGS Degeres, etc.

NNC 05:07:30:45.6, 4.5, 53.75N, 90.93E, h1km, 22km, mb3.5, mpv3.2, 10C-3D, Error ellipse: s-maj=38.3km s-min=27.4km az=28.0, Suspected Mining explosion., Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ZAAO Zalesovo Array, ZAAO Kurchatov, KURK Kurchatov, etc.

IDC 05:07:32:29.7, 1.0, 21.67Sx169.40E, h0km, mb3.8/5, mbtmp3.8/6, ML3.2/1, Error ellipse: s-maj=37.7km s-min=24.6km az=168.0

ISC 05:07:32:32.8, 0.9, 21.65S, 0.2, 169.40E, 0.1, h21km, n9, e095/11, mb3.8/5, Southeast of Loyalty 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 Kurly, ASAR Alice Springs, etc.

IDC 05:07:36:51.1, 2.3, 20.40Sx168.50E, h0km, mb3.5/3, mbtmp3.5/4, ML3.1/1, Error ellipse: s-maj=92.3km s-min=28.9km az=145.0, Loyalty 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 Kurly, WRA Warramunga Arr, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like NJ2 Nanjing, USA0B Ussuriysk Arra, PETK Petrovovskiy, MAW Mawson, CN2 Changchun, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like KURBB Kurchatov Arra, ARTI Arti, BDFB Brasilia, ARCES ARCES Array B, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like BKZ Black Stump Fm, MGRZ Mangrove Creek, AF1 Afiamalu, etc.

IDC 05 07:46:38.0,0.5,21.895S;168.93E,h0km,mb4.8/21, mbmp4.8/22,ML5.3/1,MS5.3/4,Error ellipse: s-maj=19.8km s-min=15.5km az=103.0 BUJ 05 07:46:40.3,2.1,14S;168.99E,h5km,mb5.1/45,mb5.8/5,ms=5.75,Ms7.5/5 NEIC 05 07:46:41.6,1.5,21.685S;10.168.85E,0.09,h10km,1km,mb5.2/10,Error ellipse: s-maj=16.8km s-min=13.4km az=170.0 MOS 05 07:46:41.0,1.2,21.755S;168.83E,h20km,mb5.5/29,Error ellipse: s-maj=10.8km s-min=9.7km az=97.2 NOU 05 07:47:07.1,22.095S;167.11E,h0km,MLV4.3/8,New Caledonia

Table with columns for Code, Station Name, Az, Phase ID, Time, Res, and other technical details. Includes stations like YATNC Mamie plateau, YATNC Mamie plateau, etc.

Table with columns for Code, Station Name, Az, Phase ID, Time, Res, and other technical details. Includes stations like FAKI Fak Fak, KMBL Kambalada, PSA00 Pilbara Seismi, etc.

Table with columns for station call letters, frequency, polarization, and other technical details. Includes stations like TJN, KSRS, IPM, NJ2, etc.

Table with columns for station call letters, frequency, polarization, and other technical details. Includes stations like ISA, VTX, BILL, YUH, etc.

Table with columns for station call letters, frequency, polarization, and other technical details. Includes stations like NOA, NORSAR, HFS, HAG, etc.

MEM Membach 148.17 339 dPKP PKIKP 08 06 27.1 -0.8
FOEL Fong Wilya 148.26 351 eP PKPbc 08 06 26.6 +0.2
IGLA Geolowia, Co 148.29 358 eP PKPbc 08 06 26.5 +0.2
UCC Uccle 148.53 341 dPKP PKIKP 08 06 28.2 -0.4
ABTA Abfattersbach comp=Z,9.8m,0.8s,SNR=9.1 PKPpdf 08 06 24.3 +0.5

WATA Walderalm 148.55 330 ePKPK PKPbc 08 06 27.0 -0.5
WTTA Wattenberg 148.58 330 ePKPK PKPbc 08 06 27.3 -0.4
MOTA Moosaln 148.77 330 ePKPK PKPbc 08 06 27.6 -0.5
SQTA Sankt Quirin 148.81 330 ePKPK PKPbc 08 06 27.8 -0.3

RETA Reutte 148.82 331 ePKPK PKPbc 08 06 27.7 -0.3
WLF Walferdange 148.93 338 dPKP PKIKP 08 06 29.6 +0.1
WLF Walferdange 148.93 338 ePKPbc PKIKP 08 06 29.8 +0.3
UBR Ueberherrn 148.96 332 ePKPbc PKPbc 08 06 28.5 +0.1

DOU Dourbes 149.07 340 dPKP PKPbc 08 06 29.0 +0.5
MCH1 Michaelchurch 149.10 350 eP PKPbc 08 06 29.1 +0.6
FETA Feichten 149.18 330 ePKPK PKPbc 08 06 29.2 +0.1
BFO Black Forest 149.21 334 ePKPbc PKPbc 08 06 28.8 -0.2

MONM Monmouth 149.22 350 eP PKPbc 08 06 29.0 +0.2
DAVA Damuels 149.36 331 ePKPK PKPbc 08 06 29.5 0.0
SBD Saint Breward 150.74 352 eP PKPbc 08 06 32.7 +0.1
INTR Introdacqua 150.84 330 PKPbc 08 06 31.2 +0.3

EDSC Edsca Array 161.07 343 PKP PKPpdf 08 06 39.5 -1.6
EDSC Edsca Array 161.07 343 PKP PKPpdf 08 06 39.5 -1.6
EDSC Edsca Array 161.07 343 PKP PKPpdf 08 06 39.5 -1.6

2.1nm,0.7s,baz=321,slow=1.5,SNR=5.4
2.1nm,0.7s
Mina Array Bea 90.41 48 P P 08 09 50.0 +0.1

IDC 05 07:59:10.4,0.8,22:23S:169:46E,h0km,mb4.3/12,
mbmp4.2/14,ML3.8/1, Error ellipse: s-maj=24.2km
s-min=19.6km az=149.0

IDC 05 07:53:36.2,9.2,22:05S:169:44E,0.3,h25km,n6,
+0567/6,mb3.9/4,Southeast of Loyalty Islands

IDC 05 07:51:36.2,5.1,20:82S:168:41E,h0km,mb4.0/3,
mbmp4.0/3,ML3.8/1, Error ellipse: s-maj=160.6km
s-min=35.9km az=136.0,Loyalty Islands

IDC 05 07:54:19.2,1.5,22:45S:169:30E,0.1,h23km,n9,
+1980/10,mb4.2/4,4C,Southeast of Loyalty Islands

IDC 05 07:54:19.2,1.5,22:45S:169:30E,0.1,h23km,n9,
+1980/10,mb4.2/4,4C,Southeast of Loyalty Islands

MSVF Nonsavu 9.36 63 P Sn 08 05 37.0 +8.0
MSVF Nonsavu 9.36 63j eP Pn 08 03 45.1 +0.7
LHI Lord Howe Isla 13.00 222 Pn 08 04 30.8 -3.2

URZ Urewera 17.33 159 P Pn 08 05 28.7 -2.4
ARMA Armidale 17.80 239 P Pn 08 05 32.4 -4.8
ARMA Armidale 17.80 239 P Pn 08 05 39.5 +1.7

BKZ Black Stump Fm 17.97 162 P Pn 08 05 37.6 -1.4
AUPHS Peel High Scho 18.66 338 P Pn 08 05 51.4 +3.8
THZ Top House 19.71 172 P P 08 05 58.0 -0.6

MSVF Nonsavu 9.36 63 P Sn 08 05 37.0 +8.0
MSVF Nonsavu 9.36 63j eP Pn 08 03 45.1 +0.7
LHI Lord Howe Isla 13.00 222 Pn 08 04 30.8 -3.2

IDC 05 08:01:26.1,0.6,22:28S:169:40E,h0km,mb4.5/17,
mbmp4.5/20,ML4.5/3,MS4.0/1, Error ellipse:
s-maj=18.2km s-min=16.2km az=101.0

IDC 05 08:01:26.1,0.6,22:28S:169:40E,h0km,mb4.5/17,
mbmp4.5/20,ML4.5/3,MS4.0/1, Error ellipse:
s-maj=18.2km s-min=16.2km az=101.0

5d 8h

Table of astronomical observations for 5d 8h, listing station names, coordinates, and observation times.

2018 DEC

Table of astronomical observations for 2018 DEC, listing station names, coordinates, and observation times.

364

Table of astronomical observations for 364, including station names, coordinates, and observation times, with additional metadata like phase ID and time.

PDG 05 08:03:28.4-0.1, 42.98N-18.17E, h3km, 1km, ML2.3/11, Error ellipse: s-maj=0.3km s-min=0.2km az=90.0

BEO 05 08:03:29.4-0.4, 03.00N-18.12E, h5km, 3km, ML1.6/8,

9C-1D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Bratogost, Dubrovnik, Trebinje, Ston, Kalinovik, etc.

IDC 05 08:04:57.1±2.8, 22.05S:169.51E, h0km, mb4.0/5, mltmp4.0/6, Error ellipse: s-maj=127.0km s-min=26.9km az=160.0

ISC 05 08:05:01.3-2.2, 22.0S:07.1694E-0.2, h25km, n7, 0550/H, mb4.2/5, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Mont Dzumac, Alice Springs, Warramunga Arr, etc.

BUI 05 08:08:20.0, 22.10S: 169.30E, h5km, mb4.9/14, mB5.5/1

MOS 05 08:09:29.1±1.4, 21.91S: 169.14E, h10km, mb5.4/15, Error ellipse: s-maj=11.9km s-min=11.1km az=3.4

NEIC 05 08:09:29.1±1.9, 22.0S:02.16931E-0.0, h10km, 1km, mb5.0/69, Error ellipse: s-maj=26.4km s-min=12.1km az=164.0

ISC 05 08:08:25.0±0.5, 22.06S:010.16932E-0.07, h25km, n120, 0591/97, mb5.0/53, 14C-5D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Mont Dzumac, Ouen Toro, Nonsavu, etc.

Main table with columns: AS31, Alice Springs, ASAR, Alice Springs, ASAR, Alice Springs, etc. Lists various seismic stations and their coordinates.

Table with columns: ILAR, Eielson Array, ILAR, Eielson Array, G08A, Pilot Rock, etc. Lists stations and their coordinates.

IDC 05 08:09:28.4-0.7, 22.08S:169.29E, h0km, mb4.6/13, mltmp4.5/15, ML4.6/2, Error ellipse: s-maj=23.6km s-min=18.5km az=150.0

MOS 05 08:09:29.1±1.4, 21.91S: 169.14E, h10km, mb5.4/15, Error ellipse: s-maj=11.9km s-min=11.1km az=3.4

BUI 05 08:09:29.1±1.9, 22.0S:02.16931E-0.0, h10km, 1km, mb5.0/69, Error ellipse: s-maj=26.4km s-min=12.1km az=164.0

ISC 05 08:09:33.0±0.4, 22.0S:01.16922E-0.07, h31km, n188, 0597/167, mb5.2/69, 24C-15D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Mont Dzumac, Ouen Toro, Nonsavu, etc.

5d 8h

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Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like KSAR, WJOU, MSHR, PSTR, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like WWOR, WJOU, W13A, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like COEN, STKA, BBOO, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like BKB Balikpapan, KAPI Kappang, and various WARRUNGUNGA and KARANG stations.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like TJN Taejon, INU Inuyama, KUROKA Kuroka, and various KARANG and KARANG stations.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like PETK Petropavlovsk, ZSN Zaisan, SHLS Shalkode, and various KARANG and KARANG stations.

5d 8h

Table with columns for station name, frequency, power, and coordinates. Includes stations like BRVK Borovoye, TIKI Tiksi, and L14K Kuka Creek.

2018 DEC

Table with columns for station name, frequency, power, and coordinates. Includes stations like L20K Farewell, AK, I20K Telida, and J20K Nowinta River.

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Table with columns for station name, frequency, power, and coordinates. Includes stations like G24K Hadweenzic, G24K Hadweenzic Riv, and GLI Glacier Island.

Table with columns: WHY, FINES, AK08, AKASG, AKASG, AKBBS, AK02, AK11, AK12, FARO, FARO, N32M, N32M, A36M, NOR, R33M, C36M, C36M, S34M, DLBC, MLR, WRGLY, TOAD, KOTAN, DAG, HFS, NB2, NB2, NOA, NEEM, YKA, YKA, YKA, TXAR, TORD, S39A, NMDO, IDC 05 08:15:34.5s.1.21.78Sx168.45E, h0km, mb4.1/3, Error ellipse: s-maj=211.7km s-min=36.0km az=155.0, IDC 05 08:15:35.9.5.6.22Sx1x168.4E:0.7, h10km, n6, s192/6, mb4.1/3, Loyalty Islands, Code Station Name, Delta, Az, Phase ID, Time Res, h m s, ISC.

2018 DEC

Table with columns: USRK, PETK, CMAR, TROLL, SNA, SNA, VNA3, VNA2, YBH, SONM, NVAR, ILAR, TXAR, PDAR, BRG, BRG, EKA, KHC, GERES, MOS 05 08:20:30.7z.1.0.22'25Sx169'30E, h11km, mb5.2/13, Error ellipse: s-maj=12.6km s-min=10.5km az=177.1, IDC 05 08:20:31.1z.0.6.22'30Sx169.40E, h0km, mb4.8/16, MLI4.7/20, ML4.5/4, Error ellipse: s-maj=18.5km s-min=16.3km az=170.0, NEIC 05 08:20:32.4z.2.20.22'13S:0.1'0:169.42E:0.08, h10km, km, mb5.2/91, Error ellipse: s-maj=16.8km s-min=11.3km az=161.0, IDC 05 08:20:34.3z.0.4.22'23S:0.07x169'37E:0.06, h25km, n216, s105/175, mb5.2/80, 27-12D, Southeast of Loyalty Islands, Code Station Name, Delta, Az, Phase ID, Time Res, h m s, ISC.

5d 8h

Table with columns: NWAO, NWAO, NWAO, MORV, WBSI, LUWI, LEM, TPI, MDSI, QSPA, QSPA, TJN, KSRS, NJ2, YSS, YSS, GSI, GSI, USRK, PETK, CN2, BSI, GYA, GYA, BNX, LYN, HNS, KLR, BELA, CMAR, CMAR, CMAR, SMAI, PZH, PZH, HHC, HHC, ELIB, ZEA, PMSA, LZH, TROLL, SEY, SNA, SNA, SNA, SNA, SNA, VNA3, VNA2, VNA1, OQD, ORV, ORV, ORV, ISA, GTA, ULN, ULN, SONM, SONM, SONM, PFO, PFO, WAKR, WAKR, BILL, BILL, PNTR, YERR, LSH, DHP, PAHR, RYN, NVAR, NVAR, NVN1

Table of satellite observations for stations 5d 8h, including columns for station name, coordinates, and observation data.

Main table of satellite observations for stations 2018 DEC, including columns for station name, coordinates, and observation data.

Table of satellite observations for stations 370, including columns for station name, coordinates, and observation data.

IDC 05 08:21:19.0,0.6,22.245;169.38E,h0km,mb4.7/16, mbmp4.6/17,ML4.2/1,MS4.8/4, Error ellipse: s-maj=20.4km s-min=18.3km az=158.0, NEIC 05 08:21:20.7,1.9,22.45;0.2x169.4E,0.1,1.1h0km,1km, mb4.9/49, Error ellipse: s-maj=27.7km s-min=17.2km az=185.0

ISC 05 08:21:22.3,0.5,22.3S;0.1x169.40E,0.08,h23km,n85, c=0807/1,mb4.9/36,MS4.6/3,4C-1D, Southeast of Loyalty Islands

Table of satellite observations for stations in the Loyalty Islands region, including columns for code, station name, coordinates, and observation data.

AFAD 05 08:24:00.9,0.0,39.97N;25.99E,h1km,ML2.4 ISK 05 08:24:02.2,39.03N;26.07E,h8km,ML2.8/26 THE 05 08:24:02.8,39.04N;26.07E,h12km,ML2.7/4, Error ellipse: s-maj=2.5km s-min=1.1km az=31.0, ATH 05 08:24:03.4,39.10N;26.06E,h11km,3km,ML2.4/5, Manual Solution by A.Papageorgiou First location: 2018/12/05 08:26:05, This location: 2019/02/20 10:03:13 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 3 km, Longitude uncertainty: 3 km

Table of satellite observations for stations in the AFAD region, including columns for code, station name, coordinates, and observation data.

Table of astronomical observations for 5d 8h, listing station names, coordinates, and observation details.

Table of astronomical observations for 2018 DEC, listing station names, coordinates, and observation details.

Table of astronomical observations for 372, listing station names, coordinates, and observation details.

ICD 05 08:34:11.71, 0.21:75Sx168:81E, h0km, mb4.4/10, mbmp4.4/1.0, Error ellipse: s-maj=27.6km s-min=24.6km az=145.0

NEIC 05 08:34:11.1z, 2.4, 22:0S:0-2:169:5E:0.1, h10km, 2km, mb4.6/9, Error ellipse: s-maj=32.7km s-min=18.5km az=351.0

ISC 05 08:34:16.5:0.7, 21:9S:10x1:168:90E:0:09, h31km, m39, i:124/35, mb6.4/15, 9C, Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, Hrs, Res, ISC. Lists various stations and their observation parameters.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include SONM Songio Array, NVAR Mina Array, ILAR Eielson Array, etc.

IDC 05 08:35:29.3±2.5, 20.645x168.92E, h0km, mb4.1/4, mbtmp4.2/5, Error ellipse: s-maj=129.3km s-min=28.3km az=150.0, Loyalty Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include DZM Mont Dzumac, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 05 08:35:42.5±0.8, 22.225x169.45E, h0km, mb4.6/13, mbtmp4.6/13, Error ellipse: s-maj=27.3km s-min=23.2km az=77.0

NEIC 05 08:35:44.6±2.4, 22.45±0.1x169.36E±0.05, h10km, mb4.6/13, Error ellipse: s-maj=21.6km s-min=8.5km az=170.0

ISC 05 08:35:45.9±0.5, 22.35±0.1x169.40E±0.09, h23km, n82, 082/68, mb4.9/29, 11C-4D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include ONTNC Ouen Toro, DZM Mont Dzumac, MSVF Nonsauv, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include PHRA Phrae, BELA Belgrano 2, CMAR Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include SHPR Sheep Range, WVOR Wild Horse Val, W13A Hualapai Mount, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include G08A Pilot Rock, PABE Keskin Array B, BRTR Keskin Array B, etc.

IDC 05 08:37:30.9±2.5, 20.995x168.90E, h0km, mb4.1/5, mbtmp4.1/6, Error ellipse: s-maj=114.5km s-min=23.1km az=150.0

NEIC 05 08:37:32.8±2.0, 21.1±0.4x168.8E±0.2, h10km, mb4.5/8, Error ellipse: s-maj=71.9km s-min=20.1km az=154.0

ISC 05 08:37:31.5±0.9, 21.95±0.2x169.3E±0.1, h25km, n22, 0141/23, mb4.4/12, 5C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include DZM Mont Dzumac, DZM Mont Dzumac, DZM Mont Dzumac, etc.

IDC 05 08:38:43.0±0.8, 22.325x169.50E, h0km, mb4.4/13, mbtmp4.4/14, ML4.7/1, Error ellipse: s-maj=23.3km s-min=22.3km az=128.0

NEIC 05 08:38:44.9±1.7, 22.35±0.1x169.6E±0.1, h10km, mb4.8/25, Error ellipse: s-maj=24.3km s-min=17.0km az=5.0

ISC 05 08:38:47.0±0.6, 22.35±0.1x169.49E±0.08, h23km, n46, 01914/7, mb4.7/27, 5C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include ONTNC Ouen Toro, DZM Mont Dzumac, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include MTN Kununurra, KNRA Kununurra, MBWA Marble Bar, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include GSPA South Pole Qui, GSPA South Pole Qui, KSRS Korea Array, etc.

IDC 05 08:39:15.7±0.8, 21.985x170.04E, h0km, mb4.6/15, mbtmp4.6/17, ML4.8/2, Error ellipse: s-maj=29.3km s-min=18.3km az=126.0

NEIC 05 08:39:17.1±2.1, 22.1±0.4x170.26E±0.09, h10km, mb4.8/19, Error ellipse: s-maj=25.1km s-min=13.0km az=165.0

ISC 05 08:39:19.5±0.5, 22.05±0.1x170.08E±0.07, h25km, n66, 0121/67, mb4.7/29, 5C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include DZM Mont Dzumac, DZM Mont Dzumac, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include MTN Mantion Dam, MTN Mantion Dam, FORT Forrest, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like VNA2 Neumayer-Watz, VNA1 Neumayer-Stat, SONM Sogingo Array, etc.

IDC 05 08:41:25.1,0.8,22.2S;169.91E,h0km,mb4.4/13, mbtm=21.0km az=123.0

NEIC 05 08:41:29.0,1.1,22.2S;0.2:169.0E;0.1,h10km,2km, mb4.5/10,Err ellipse: s-maj=29.4km s-min=9.5km az=152.0

ISC 05 08:41:29.0,0.6,22.2S;0.1:169.75E;0.08,h25km,n48, r136/50,mb4.5/22.5E,SE,East of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like ONTNC Ouen Toro, MSFV Nonsavu, CTAO Charters Tower, etc.

comp=Z,0.2nm,0.5s,baz=36,slow=3.0,SNR=2.6

IDC 05 08:44:37.0,0.9,22.22S;169.50E,h0km,mb4.2/12, mbtm=21.3,Err ellipse: s-maj=23.1km s-min=2.1km az=18.0

ISC 05 08:44:38.5,0.7,22.2S;0.1:169.49E;0.10,h10km,n19, r150/20,mb4.3/15,SE,East of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, RPZ Rata Peaks, PMG Port Moresby, etc.

THE 05 08:49:20.9,37.59N;20.65E,h8km,4km,ML2.6/5,Err ellipse: s-maj=5.0km s-min=0.7km az=61.0

ATH 05 08:49:20.8,37.63N;20.58E,h7km,2km,ML2.5/13, Manual Solution by A.Papageorgiou First location: 18/12/05 08:49:41, This location: 2019/02/20 10:40:01

ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 3 km; Longitude uncertainty: 3 km

ISC 05 08:49:20.7,1.4,37.61N;0.04:20.60E;0.04,h7km,8km,n33,r0548/62,Lionian Sea

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like KRII Keri, LTHK Lithakia, ORTH Orthones, etc.

IDC 05 08:50:21.2,0.9,22.14S;169.93E,h0km,mb4.3/9, mbtm=22.8km az=165.0

NEIC 05 08:50:22.9,1.2,21.9S;0.1:169.9E;0.1,h10km,2km, mb4.6/20,Err ellipse: s-maj=25.3km s-min=18.9km az=9.0

ISC 05 08:50:25.0,0.6,22.0S;0.1:169.88E;0.08,h25km,n56, r157/53,mb4.5/21,SE,East of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, DZM 28nm, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like ONTNC Ouen Toro, MSFV Nonsavu, ARMA Armadale, etc.

VIIE 05 08:51:19.4;0.2,47.53N;14.87E,h0km,mb1.5/4,ml1.6/4, Err ellipse: s-maj=2.1km s-min=1.6km az=154.0, Mining explosion., Austria

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like MOA Mollin, ARMA Armadale, CONA Conrad Observa, etc.

Table with columns: STKA, BBOO, WBO, WB2, WRA, ASAR, JAY, FORT, QSPA, SNA, SONM, NVAR, ILAR, EKA, KHC, GERES. Includes station names, coordinates, and time/res data.

IDC 05 08:53:09.4+2.8,22.28Sx170.03E, h0km, mb4.4/7, mbtm3.4/7, Error ellipse: s-maj=83.4km s-min=28.8km az=134.0

NEIC 05 08:53:13.3+2.1, 22.05S, 0.05-169.75E, h0km, mb4.7/15, Error ellipse: s-maj=13.2km s-min=9.0km az=99.0

ISC 05 08:53:14.5+0.6, 22.2S, 0.1-169.81E, h0km, mb4.2/14, mb4.6/18, 4C, Southeast of Loyalty Islands

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists various stations like ONTC, DZM, WRA, ASAR, NVAR, ILAR, etc.

NEIC 05 08:53:54.7+1.4, 21.3S, 0.2-170.2E, h0km, mb4.2km, mb4.6/11, Error ellipse: s-maj=26.9km s-min=20.4km az=172.0

IDC 05 08:53:57.3+3.3, 21.91S, 169.79E, h0km, mb4.6/5, mbtm4.2/5, MS4.0/1, Error ellipse: s-maj=118.2km s-min=35.7km az=143.0

ISC 05 08:53:55.1+1.9, 21.3S, 0.3-170.1E, h0km, n21, 0659/18, mb4.5/12, Southeast of Loyalty Islands

Small table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DZM, ONTC, CTAO.

Table with columns: CTAO, STKA, BBOO, WBO, WB2, WRAB, WRA, AS31, ASAR, FORT, NWAO, YJO, CMAR, SONM, EKA, GERES. Includes station names, coordinates, and time/res data.

IDC 05 08:57:55.7+1.9, 20.71S, 168.01E, h0km, mb3.7/4, mbtm3.7/4, Error ellipse: s-maj=78.2km s-min=23.8km az=142.0, Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like DZM, WRA, ASAR, NVAR, ILAR.

NEIC 05 09:00:27.9+0.8, 61.44N, 0.03-149.89W, h0km, 5km, Error ellipse: s-maj=3.9km s-min=3.1km az=173.0

AEIC 05 09:00:28.5+0.6, 61.44N, 0.03-149.92W, h0km, h39km, 6km, ML2.5, Error ellipse: s-maj=4.9km s-min=2.8km az=179.0, Southern Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like M22K, RC01, SUA, PMR, GHO, KMK, SML, STLK, SKT, PWL, SCM, GLI.

IDC 05 09:00:32.6+2.8, 60.98N, 151.20W, h0km, mb3.6/3, mbtm3.4/5, ML2.8/2, Error ellipse: s-maj=58.5km s-min=31.3km az=146.0

NEIC 05 09:00:43.0+1.1, 61.49N, 0.02-149.95W, h0km, h43km, 4km, Error ellipse: s-maj=3.2km s-min=2.2km az=207.0

AEIC 05 09:00:43.5+0.9, 61.47N, 0.02-149.94W, h0km, h39km, 4km, ML3.1, ML3.3, 3/15(NEIC), Error ellipse: s-maj=3.5km s-min=3.0km az=167.0

ISC 05 09:00:42.5+0.9, 61.47N, 0.03-149.95W, h0km, h44km, 6km, n185, 0692/204, mb3.5/3, Southern Alaska

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists various stations like M22K, RC01, SUA, PMR, GHO, KMK, SML, STLK, SKT, etc.

Main station list table with columns: SKT, CAPN, O22K, SPCG, SPU, M23K, N20K, SPCR, SCRM, SCM, SEW, SED, GLI, GLI, WAT1, WAT6, M20K, M20K, RDJH, RDWB, PPLA, PPLA, BRKL, BRSE, BRSE, FID, FID, M24K, M24K, O20K, O20K, KLU, KLU, P23K, TRF, TRF, HIN, HIN, HOM, HOM, RND, RND, DHH, DHH, DHH, DHH, DIV, CNP, IVE, L20K, L20K, KTH, KTH, ILS, M19K, ILSW, ILSW, CAST, CAST, N19K, MCK, MCK, L19K, L19K, P19K, P19K, HARP, HARP, O19K, O19K, O19K, O19K, N25K, N25K, N25K, N25K, PAX, PAX, BMR. Includes station names, coordinates, and time/res data.

5d 9h

2018 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like CHUM Lake Minchumin, BPAW Bear Paw Mtn, BPAW Bear Paw Mtn, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like G24K comp=E,10.0nm,0.7s, G24K Ungalukhiuk R, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like PHFM Heflinger Ranc, PSTM Stockdale Moun, PVCM Vineyard Canyo, etc.

5d 9h

mB5.5, ML4.5, Mw(mB)5.0
NEIC 05 09:33:01.4, 1.6, 10.50N, 0.04-68.64W, 0.06, h10km, 1km, mb4.7/76, Error ellipse: s-maj=10.1km s-min=6.4km az=73.0
VAO 05 09:33:03.0, 5.0, 10.30N, 68.63W, h10km, mb4.6
FUNV 05 09:33:03.1, 30.35N, 68.68W, h7km, MW4.6
ISC 05 09:33:01.0, 5.0, 8.0, 10.43N, 0.03-68.64W, 0.03, h15km, 5km, n190, v161/204, mb4.6/63, 6C-5D, Near coast of Venezuela

Table with columns: Code, Station Name, Delta Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists station observations for 5d 9h.

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Table with columns: Station Name, Time, Res, h, m, s, ISC. Lists station observations for 2018 DEC.

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Table with columns: Code, Station Name, Delta Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists station observations for 378.

RSNC 05 09:33:49.0, 0.0, 12.7N, 173.3W, h30km, mb3.2, ML3.2, ML3.2, Near north coast of Colombia

Table with columns: Code, Station Name, Delta Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists station observations for RSNC.

SSNC 05 09:37:30.2, 1.6, 18.07N, 76.55W, h11km, 234km, MD2.8, ML2.0

Table with columns: Code, Station Name, Delta Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists station observations for SSNC.

ISC 05 09:38:50.8, 0.7, 24.34S, 179.85E, h501km, 7km, mb4.0/24, mbmtp4.8/28, Error ellipse: s-maj=8.8km s-min=8.2km az=50.0

Table with columns: Code, Station Name, Delta Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists station observations for ISC.

NEIC 05 09:58:15.2:1.2,22.3S:0.1x169.61E:0.04,h10km,1km,mb4.4/19, Error ellipse: s-maj=23.5km s-min=6.6km az=356.0

IDC 05 09:58:17.9:0.9,22.93S:1.69:02E,h0km,mb4.1/8,mbmp4.1/9,ML2.9/1, Error ellipse: s-maj=29.1km s-min=21.9km az=4.0

ISC 05 09:58:16.9:0.8,22.3S:0.1x169.54E:0.09,h23km,n37, s1505/36,mb4.4/19,4C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ONTNC Ouen Toro, DZM Mont Dzumac, ARMA Armidale, NIUE Niue, STKA Stephens Creek, TAU Tasmania Univite, POTOS Pohnpei, BBOO Buckleboe, AS31 Alice Springs, ASAR Alice Springs, WBO Warrunganga Arr, WBT2 Warrunganga Arr, WRAB Tennant Creek, WRA Warrunganga Arr, WRA Warrunganga Arr, MTN Mantion Dam, KNRA Kununurra, FAKI Fak Fak, MBWA Marble Bar, NWAO Narrogin (SRO), SBA Scott Base, QSPA South Pole Quai, QSPA South Pole Quai, BELA Belragano 2, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, TROLL Troll, Antarti, SNAA Sanae, SNAA Sanae, SNAA Sanae, VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, NVAR Mina Array Bea, ILAR Eielson Array, EKA Eskdalemuir Arr.

2018 DEC

IDC 05 10:01:25.6:0.9,22.11S:169.41E,h0km,mb4.3/8,mbmp4.2/10,ML4.2/1, Error ellipse: s-maj=29.4km s-min=19.9km az=169.0

NEIC 05 10:01:28.9:2.2,22.2S:0.2x169.35E:0.03,h10km,1km,mb4.8/36, Error ellipse: s-maj=29.2km s-min=5.5km az=0.0

ISC 05 10:01:30.2:0.6,22.2S:0.1x169.38E:0.08,h25km,n57, s1475/54,mb4.7/24,4C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ONTNC Ouen Toro, DZM Mont Dzumac, MSFV Nonsavu, ARMA Armidale, STKA Stephens Creek, BBOO Buckleboe, WRO Warrunganga Arr, AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, WBO Warrunganga Arr, WBT2 Warrunganga Arr, WRA Warrunganga Arr, WRA Warrunganga Arr, MTN Mantion Dam, FORT Forrest, FORT Forrest, KNRA Kununurra, SOEI Soe, MBWA Marble Bar, NWAO Narrogin (SRO), MORW Morwa, QSPA South Pole Quai, QSPA South Pole Quai, BELA Belragano 2, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, TROLL Troll, Antarti, SNAA Sanae, SNAA Sanae, SNAA Sanae, VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, SONM Songino Array, DSP Deep Springs, PAHR Pah Rang Castle Range, NVAR Mina Array Bea, NVAR Mina Array Bea, J05D Fort Rock, OR KVN Kaiserville, PINE Pine Mountain, WWOR Wild Horse Valley, I07A Izeze, G08A Pilot Rock, U15A North Rim, E22K Anaktuvuk Pass, G30M Aah Jaganjari, MORC Moravsky Berou, JAVC Velka Javorina, VRAC Vranov, BRG Berggiesshubel, KRUC Moravsky, EKKA Eskdalemuir Arr, KHC Kasapov Hory, GERES GERES Array B, J05D Fort Rock, OR KVN Kaiserville, PINE Pine Mountain, WWOR Wild Horse Valley, I07A Izeze, G08A Pilot Rock, U15A North Rim, E22K Anaktuvuk Pass, G30M Aah Jaganjari, MORC Moravsky Berou, JAVC Velka Javorina, VRAC Vranov, BRG Berggiesshubel, KRUC Moravsky, EKKA Eskdalemuir Arr, KHC Kasapov Hory, GERES GERES Array B.

VNA1 Neumayer-Starr 87.31 181 P P 10 14 57.8 -0.9

SONM Songino Array 89.72 323 P P 10 15 10.5 0.0

NVAR Mina Array Bea 90.70 48 P P 10 15 15.6 +0.1

ILAR Eielson Array 93.08 17 P P 10 15 24.1 -1.4

EKA Eskdalemuir Arr 146.52 352 PKPbc PKPdf 10 21 51.9 +0.2

NEIC 05 10:09:09.5:1.7,21.5S:0.2x169.2E:0.1,h10km,2km,mb4.2/8, Error ellipse: s-maj=36.4km s-min=15.5km az=166.0

IDC 05 10:09:13.9:1.9,20.93S:168.70E,h0km,mb3.9/5,mbmp3.9/6,ML3.9/1, Error ellipse: s-maj=89.2km s-min=21.6km az=147.0

ISC 05 10:09:09.6:0.9,21.5S:0.2x169.2E:0.1,h10km,n20, s225/20,mb4.1/9,5C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, DZM Mont Dzumac, ONTNC Fort Toro, FUTU Futugata, EIDS Eidsvold, CTAO Charters Tower, STKA Stephens Creek, WBO Warrunganga Arr, WBO Warrunganga Arr, WBT2 Warrunganga Arr, WBT2 Warrunganga Arr, WRA Warrunganga Arr, WRA Warrunganga Arr, AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, MTN Mantion Dam, MTN Mantion Dam, BELA Belragano 2, BELA Belragano 2, SONM Songino Array, NVAR Mina Array Bea, EKA Eskdalemuir Arr, GERES GERES Array B, KNET 05 10:11:18.6:0.5,42.34N:76.06E,h12km,5km,ml2.4, Error ellipse: s-maj=6.1km s-min=2.8km az=61.0, KRNET 05 10:11:18.8:0.1,42.33N:76.11E,h19km,mb2.9, SOME 05 10:11:18.4:2.38N:76.10E,h5km, NNC 05 10:11:19.3:0.6,42.38N:76.11E,h0km,mb3.6,mpv3.6, Error ellipse: s-maj=3.9km s-min=1.7km az=111.0, ISC 05 10:11:19.0:0.8,42.37N:0.02:76.09E:0.01,h10km,6km,n78,r18/146,42C-2D,Lake Issyk-Kul region

5d 10h

Table with columns: KOTS, KOTYbulak, 1.14 41 eP, Pn, 10 11 40.9 -0.2, etc. Lists various radio stations and their frequencies.

2018 DEC

Table with columns: DJR, 2.3nm,0.3s, Lg, Lg, 10 13 00.0, etc. Lists radio stations with call signs and frequencies.

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Table with columns: NWA0, comp=Z,1.9nm,1.1s, pmax, pmax, 10 22 20.1, etc. Lists radio stations with call signs and frequencies.

IDC 05 10:13:34.7-0.5, 22.20S; 169.47E, h0km, mb4.6/18, mbmp4.6/20, ML4.1/2, MS4.2/5, Error ellipse: s-maj=17.3km s-min=10.0km az=86.0

MOS 05 10:13:35.9-1.2, 22.22S; 169.38E, h10km, mb5.2/17, Error ellipse: s-maj=11.0km s-min=10.0km az=2.6

BUI 05 10:13:36.6-2.1, 77S; 169.86E, h14km, mb4.8/31, mb5.5/11 NEIC 05 10:13:37.9-1.3, 22.1S; 0.1x169.36E; 0.08, h10km, 1km, mb5.1/136, Error ellipse: s-maj=19.5km s-min=11.7km az=169.0

ISC 05 10:13:39.2-0.3, 22.19S; 0.07x169.41E; 0.05, h25km, n250, c091/199, mb5.1/99, 11C-12D, Southeast of Loyalty

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time Res, etc. Lists radio stations with call signs and frequencies.

Table with columns: Code, Station Name, A°, AZ°, Phase, ID, Time, Res, ISC. Rows include FUORN, TUE, and TORQ.

comp=Z,5.5nm,0.8s
IDC 05 10:21:27.5:0.8,60.32'S:26.76W,h0km,mb4.5/7,
mbmp4.5/7,Error ellipse: s-maj=26.6km s-min=23.5km
az=34.0

NEIC 05 10:21:28.0:7.0,65.0'S:1.26;7W:0.1,h10km,1km,
mb4.8/53,Error ellipse: s-maj=23.5km s-min=17.1km
az=204.0

ISC 05 10:21:27.8:0.5,60.59S:0.09;26.65W:0.10,h10km,n77,
e093/73,mb4.8/30,9C-1D, South Sandwich Islands
region

Main table on the left side of the page, containing station data for various locations like Neumayer-Stat, Sanae, Troll, etc.

2018 DEC

Table with columns: Code, Station Name, A°, AZ°, Phase, ID, Time, Res, ISC. Rows include TORQ, SDV, NVAR, FINES, YKA, LZH, NJ2, ZALV, HHC, SONM, ILAR.

IDC 05 10:23:38.5:0.9,22.14S:169.52E,h0km,mb4.5/10,
mbmp4.4/11,ML3.8/1,Error ellipse: s-maj=25.0km
s-min=23.0km az=15.0

NEIC 05 10:23:42.2:1.1,22.4S:0.1;169.30E:0.04,h10km,1km,
mb4.7/25,Error ellipse: s-maj=25.1km s-min=2.9km
az=166.0

NOU 05 10:23:51.8,22.13S:169.42E,h98km,mb4.7/9, Southeast
of Loyalty Islands

ISC 05 10:23:43.0:0.6,22.4S:0.1;169.40E:0.07,h23km,n62,
e132/60,mb4.7/27,2C-1D, Southeast of Loyalty Islands
region

Main table in the middle of the page, continuing station data for locations like Ouen Toro, DZM, PMG, etc.

5d 10h

Main table on the right side of the page, containing station data for locations like Pine Mountain, EKA, GERES, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Poorman, College, Sunshine Point, Eielson Array, etc.

2018 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Teslin, Yukon, Malcom River, Satah River, etc.

5d 10h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Lord Howe Isla, Eidsvold, Armatide, etc.

5d 10h

Table with columns: CMB, Station Name, Az, Phase ID, Time, Res. Includes stations like Forest Hills D, Gaotai, Ulanbaatar, Yreka Blue Hor, etc.

TEH 05 10:43:41.5, 34.30N, 45.61E, h20km, 160km, ML2.5
ISN 05 10:43:41.5, 0.4, 34.31N, 45.60E, h9km, 2km, ML2.6
ISC 05 10:43:41.9, 1.0, 34.28N, 0.04, 45.61E, 0.04, h18km, n11,
c=089/15, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Ghasr-e-Shirin, Gilan-e-Gharb, etc.

IDC 05 10:48:56.9, 8.5, 61.44N, 150.35W, h60km, 65km, mb3.3/2,
mbtmp3.4/4, ML3.1/2, Error ellipse: s-maj=69.5km,
s-min=30.7km, az=60.0
NEIC 05 10:48:57.2, 1.3, 61.50N, 0.02, 149.92W, 0.03, h39km, 5km,
Error ellipse: s-maj=3.4km, s-min=1.2km, az=143.0
AEIC 05 10:48:57.7, 1.0, 61.46N, 0.02, 149.91W, 0.04, h32km, 7km,
ML3.3, ML3.4/168(NEIC), Error ellipse: s-maj=3.0km
s-min=2.7km, az=151.0
ISC 05 10:48:57.0, 0.9, 61.47N, 0.02, 149.91W, 0.02, h34km, 2km,
n224, c=086/246, Southern Casaka

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Willow, Palmer, Susitna One, etc.

2018 DEC

Main table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like Knik Glacier, Knik Glacier, Knik Glacier, etc.

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Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like HARP, HAARP, White Mountain, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CTGM Chitina Glacie, CTGM comp=N,43nm,0.6s, CTGM comp=E,34nm,1.1s, LOGN Logan Glaciar, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, WRA comp=Z,1.2nm,0.8s, etc.

IDC 05 10:49:54.1,5.2,21.42Sx170.28E, h0km, mb4.2/4, mbmp4.0/5, ML4.4/1, Error ellipse: s-maj=123.9km s-min=39.9km az=26.0 NEIC 05 10:50:11.6,1.1,22.18S:0.09:168.56E:0.08, h10km,2km, mb4.4/16, Error ellipse: s-maj=17.5km s-min=10.9km az=148.0 NOU 05 10:50:20.4,22.28S:168.17E, h0km, MLV3/211, New Caledonia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Code Station Name Az' AZ' Phase ID Time Res, MARNC Mare, Loyalty, MARNC Mare, Loyalty, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RAR Rarotonga, RAR Rarotonga, RAR comp=Z,1.2nm,0.8s, etc.

IDC 05 10:49:54.1,5.2,21.42Sx170.28E, h0km, mb4.2/4, mbmp4.0/5, ML4.4/1, Error ellipse: s-maj=123.9km s-min=39.9km az=26.0 NEIC 05 10:50:11.6,1.1,22.18S:0.09:168.56E:0.08, h10km,2km, mb4.4/16, Error ellipse: s-maj=17.5km s-min=10.9km az=148.0 NOU 05 10:50:20.4,22.28S:168.17E, h0km, MLV3/211, New Caledonia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Code Station Name Az' AZ' Phase ID Time Res, MARNC Mare, Loyalty, MARNC Mare, Loyalty, etc.

IDC 05 10:49:08.8,5.4,21.63Sx170.20E, h0km, mb3.9/4, mbmp4.0/5, ML4.1/1, Error ellipse: s-maj=132.8km s-min=34.6km az=26.0 NEIC 05 10:49:15.8,1.3,22.4S:0.2:169.8E:0.1, h10km,2km, mb4.2/16, Error ellipse: s-maj=28.9km s-min=18.9km az=5.0

ISC 05 10:49:16.5,1.5,22.4S:0.2:169.8E:0.1, h21km, n29, o=80/30, mb4.2/13, 4C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ONTNC Ouen Toro, ONTNC Mont Dzumac, ONTNC DZM, etc.

NEIC 05 10:54:27.8,1.1,18.2S:0.1x174.72W:0.09, h230km,9km, mb4.9/73, Error ellipse: s-maj=15.6km s-min=11.3km az=210.0 IDC 05 10:54:31.0,0.8,18.24S:175.09W, h242km,7km, mb4.1/19, mbmp4.7/21, Error ellipse: s-maj=12.1km s-min=9.8km az=124.0 BUI 05 10:54:30.2, 18.13S:174.66W, h253km, mb4.7/25, mb5.2/8 NOU 05 10:54:31.1, 18.32S:174.91W, h245km, mb5.2/64, Tonga Islands

ISC 05 10:54:31.0,0.5,18.32S:0.06:174.95W:0.04, h249km,4km, h249km:pp-P, n247, o1932/249, mb5.0/113, 4C-3D, Tonga Islands

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

IDC 05 10:49:08.8,5.4,21.63Sx170.20E, h0km, mb3.9/4, mbmp4.0/5, ML4.1/1, Error ellipse: s-maj=132.8km s-min=34.6km az=26.0 NEIC 05 10:49:15.8,1.3,22.4S:0.2:169.8E:0.1, h10km,2km, mb4.2/16, Error ellipse: s-maj=28.9km s-min=18.9km az=5.0

ISC 05 10:49:16.5,1.5,22.4S:0.2:169.8E:0.1, h21km, n29, o=80/30, mb4.2/13, 4C, Southeast of Loyalty Islands

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

Table of station data for the 5d 11h period, including columns for station name, coordinates, and various parameters.

Table of station data for the 2018 DEC period, including columns for station name, coordinates, and various parameters.

Table of station data for the 390 period, including columns for station name, coordinates, and various parameters.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like QSPA South Pole Qui, BELA Belgrano 2, CMAR Chiang Mai Arr, etc.

IDC 05 11:05:26.6:2.3, 22'21S:169.49E, h0km, mb3.7/4, mbtmp3.7/5, Error ellipse: s-maj=143.2km s-min=28.5km az=169.0, Southeast of Loyalty Islands

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

IDC 05 11:08:43.9:1.2, 22'12S:169.69E, h0km, mb3.8/6, mbtmp3.8/7, ML2.7/1, Error ellipse: s-maj=42.4km s-min=27.4km az=165.0

IDC 05 11:08:47.6:1.0, 22'22S:169.69E:0.1, h25km, n12, c098/13, mb4.0/8, 4C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, STKA Stephens Creek, ASAR Alice Springs, WRA Warramunga Arr, GSPA South Pole Qui, etc.

IDC 05 11:11:59.2:0.7, 22'42S:169.86E, h0km, mb4.3/11, mbtmp4.3/13, ML4.7/2, MS3.7/6, Error ellipse: s-maj=22.9km s-min=19.8km az=165.0

NEIC 05 11:12:01.1:0.6, 22'6S:0.1:169.88E:0.0/8, h10km, 1km, mb4.7/32, Error ellipse: s-maj=23.3km s-min=12.4km az=349.0

NOU 05 11:12:14.7, 22'21S:168.71E, h0km, MLV4.0/5, New Caledonia

IDC 05 11:12:02.4:0.5, 22'53S:0.1:169.84E:0.0/7, h21km, n75, c080/77, mb4.7/33, MS3.7/4, 5C-1D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like YATNC Mamie plateau, OUCEN Ouen Island, ONTNC Ouen Toro, etc.

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

IDC 05 11:15:35.0:0.2, 28'02N:128.02E, h14km, MW4.3, Moment Tensor Solution. s3 Moment tensor: Scale 10^15N/m

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LUWI Luwuk, MTN Manton Dam, FORT Forrest, etc.

IDC 05 11:15:35.0:0.2, 28'02N:128.02E, h14km, MW4.3, Moment Tensor Solution. s3 Moment tensor: Scale 10^15N/m

JMA 05 11:15:35.0:0.2, 28'02N:128.02E, h14km, 2km, ML4.0/15, MLV4.0/15, NW OF OKINAWA/JMA IS

IDC 05 11:15:35.0:0.2, 28'02N:128.02E, h0km, mb3.5/6, mbtmp3.6/9, ML3.4/3, MS3.8/6, Error ellipse: s-maj=37.2km s-min=13.1km az=65.0

IDC 05 11:15:35.9:1.5, 27'92N:0.05:128.11E:0.06, h12km, n10km, n30, c063/27, mb3.5/6, MS4.1/4, Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PHRA Phrae, CMAR Chiang Mai Arr, CHTO Chiang Mai, etc.

NEIC 05 11:15:35.0:0.2, 28'02N:128.02E, h14km, MW4.3, Moment Tensor Solution. s3 Moment tensor: Scale 10^15N/m

JMA 05 11:15:35.0:0.2, 28'02N:128.02E, h14km, 2km, ML4.0/15, MLV4.0/15, NW OF OKINAWA/JMA IS

IDC 05 11:15:35.0:0.2, 28'02N:128.02E, h0km, mb3.5/6, mbtmp3.6/9, ML3.4/3, MS3.8/6, Error ellipse: s-maj=37.2km s-min=13.1km az=65.0

IDC 05 11:15:35.9:1.5, 27'92N:0.05:128.11E:0.06, h12km, n10km, n30, c063/27, mb3.5/6, MS4.1/4, Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JOKE Okinoerabujima, JYRO Yoronjima, JYRO Yoronjima, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JOW Kunigami, JOW Kunigami, JINTH Nagotoyohara, etc.

SDD 05 11:19:17.1:2.1, 18'28N:68'15W, h87km, 13km, MD3.6, ML3.5, MW3.6

NEIC 05 11:19:17.1:1.1, 18'22N:0.0:68'14W:0.0/5, h72km, 8km, ML3.8/94, MG3.7/17(RSPR), Error ellipse: s-maj=12.2km s-min=5.6km az=194.0

OSPL 05 11:19:18.9:3.5, 18'20N:68'15W, h70km, 18km, ML3.4

IDC 05 11:19:16.6:1.1, 18'27N:0.0:68'14W:0.0/3, h79km, 7km, n42, c1926/67, 12C-6D, Mona Passage

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PCDR Punta Cana, PCDR Punta Cana, PCDR Punta Cana, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, Power, SNR, and other technical details for various stations.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, Power, SNR, and other technical details for various stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, Power, SNR, and other technical details for various stations.

Table of station data for the left column, including call signs like GTA, GZA, and various technical parameters.

Table of station data for the middle column, including call signs like PSI, DZA, and various technical parameters.

Table of station data for the right column, including call signs like PPT, TXAR, and various technical parameters.

5d 12h

Table of astronomical observations for the 5d 12h period, listing stations like AULCR, CTA, and CTAO with their respective coordinates and observation times.

Table of astronomical observations for the 2018 DEC period, listing stations like DZM, ZM, and WBO with their respective coordinates and observation times.

Table of astronomical observations for the 2018 DEC period, listing stations like YHNB, KKM, JOW, and CMAR with their respective coordinates and observation times.

Table with columns: QSPA, South Pole Qui, 68.08 180 P, P, 12 46 47.1 +0.7, etc.

IDC 05 12:37:43.4-8.6, 21.64Sx170.31E, h0km, mb4.0/3, mbmtmp4.0/4, ML3.7/1, Error ellipse: s-maj=146.5km

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

IDC 05 12:39:10.6-1.1, 22.18Sx169.35E, h0km, mb4.2/8, mbmtmp4.2/9, ML3.6/1, MS4.2/2, Error ellipse: s-maj=34.5km

NEIC 05 12:39:15.3-1.5, 22.45S:0.2-1.69:15E:0.06, h10km, 2km, mb4.4/17, Error ellipse: s-maj=30.3km s-min=5.7km

IDC 05 12:39:15.3-0.7, 22.35S:0.1-1.69:28E:0.08, h23km, n36, +151/35, mb4.3/18.4, Southeast of Loyalty Islands

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

NEIC 05 12:43:28.0-0.8, 7.3S:0.1-1.27:0E:0.1, h284km, 10km, mb4.4/8, Error ellipse: s-maj=18.8km s-min=14.1km

DJA 05 12:43:28.0-0.8, 7.3S:9.12-7E.7, h293km, 9km, M4.2/7, mb3.9/3, MLV4.4/7

IDC 05 12:43:30.4-2.8, 7.38S:126.87E, h324km, 34km, MB3.5/4, mbmtmp4.2/7, Error ellipse: s-maj=45.7km s-min=15.4km

IDC 05 12:43:27.0-0.7, 7.29S:0.07-1.27:09E:0.07, h300km, n32,

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

MOS 05 12:48:42.0-1.0, 61.138N:150.26W, h55km, mb4.9/32, Error ellipse: s-maj=14.5km s-min=5.5km az=90.9

NEIC 05 12:48:43.6-0.7, 61.33N:0.03-150.05W:0.03, h46km, 3km, Error ellipse: s-maj=4.0km s-min=1.9km az=201.0

AEIC 05 12:48:44.2-0.9, 61.32N:0.03-150.05W:0.05, h42km, 4km, ML4.5, mb4.7/235(NEIC), ML4.7/210(NEIC), Error ellipse: s-maj=4.6km s-min=3.6km az=164.0

IDC 05 12:48:45.6-2.4, 61.43N:150.24W, h76km, 20km, mb4.2/28, mbmtmp4.5/30, MS3.6/26, Error ellipse: s-maj=14.9km s-min=10.3km az=36.0

IDC 05 12:48:42.9-0.6, 61.33N:0.04-150.08W:0.03, h49km, 5km, mb7.7-1817/75, mb4.7/189, MS3.6/23, 32C-13D, Southern Alaska

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

Table with columns: CUT, Chulitna, 1.09 355 Pn, 12 49 02.1 +0.5, etc.

5d 12h

2018 DEC

Table with columns: ID, Name, Value, Unit, Status, Date, and other details. Includes entries like K20K Telida, CHUM Lake Minchumina, M18K Stony River, etc.

Table with columns: ID, Name, Value, Unit, Status, Date, and other details. Includes entries like KDAK Kodiak Island, KDAK Kodiak Island, KDAK Kodiak Island, etc.

Table with columns: ID, Name, Value, Unit, Status, Date, and other details. Includes entries like R17L Mt. Peulik Vol, YUK8 Steele Glacier, PCA Pinnacle, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like G27K Doyon Strip, F18K Selawik, E23K Chandalar, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like G31M Satah River, C26K Camden Bay, TNA Tin City, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like YHH Holmes Hill, YMR Madison River, YNE Yellowstone, etc.

5d 12h

2018 DEC

400

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like ANMO, SUMG, DAG, SFDJ, L40A, etc.

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like ZALV, FINES, KLMR, HFS, CMIG, etc.

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like LANS, VYHS, MODS, MOA, CONA, etc.

Table of astronomical observations for the 5d 13h period, listing station names, codes, and various parameters like Azimuth, Altitude, and Error.

Table of astronomical observations for the 2018 DEC period, listing station names, codes, and various parameters like Azimuth, Altitude, and Error.

Table of astronomical observations for the 402 period, listing station names, codes, and various parameters like Azimuth, Altitude, and Error.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like ACON Acopya, BCIP Isla Barro Col, JCS Las Juntas de, etc.

RSNC 05 13:41:27.9.0.1, 13.10N, 81.17W, h4km, 5km, M3.5, mb4.4, ML3.5

IDC 05 13:41:27.8.1.1, 13.10N, 81.37W, h0km, mb3.7/6, mbtmp3.7/7, ML3.0/2, MS3.2/6, Error ellipse: s-maj=33.5km s-min=24.5km az=67.0

ISC 05 13:41:27.7.0.6, 13.10N, 0.04, 81.26W, 0.05, h10km, n25, +f162/23, mb3.7/6, Caribbean Sea

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like PRVC Isla de Provid, SAIC Isla e San And, RNC Cayo Rocardor, etc.

IDC 05 13:41:42.0.2.5, 20.95S, 168.73E, h0km, mb3.5/3, mbtmp3.5/4, ML3.5/1, Error ellipse: s-maj=136.2km s-min=25.8km az=151.0, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, WRA Warrungarra Arr, ASAR Alice Springs, etc.

IDC 05 13:43:18.8.2.1, 20.36S, 178.35W, h567km, 22km, mb3.4/5, mbtmp3.4/7, Error ellipse: s-maj=28.2km s-min=22.8km az=59.0

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like MSVF Nonsavu, URZ Urewera, JAY Jayapura, etc.

0.2nm, 0.7s AKASG Malin Array Be 142.69 331 PKP PKPdf 14 01 45.5 -1.4

NOU 05 13:48:55.5, 30.79S, 174.87W, h76km, mb5.2/27, Kermadec Islands Region, NEIC 05 13:49:24.1.1.1, 31.03S, 0.08, 178.6W, 0.1, h101km, 6km, mb4.9/66, Error ellipse: s-maj=15.7km s-min=10.1km az=116.0

IDC 05 13:49:27.5.0.9, 30.70S, 178.73W, h140km, 7km, mb4.4/16, mbtmp4.8/18, MS3.4/4, Error ellipse: s-maj=11.9km s-min=11.0km az=162.0

ISC 05 13:49:22.9.0.3, 31.02S, 0.04, 178.62W, 0.06, h100km, n269, a28/08/297, mb4.9/49, 1D, Kermadec Islands Region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like GLKZ Green Lake, RAO Raoul Island, RIZ Rataua Island, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like ODZ Otahua Downs, JCY Jackson Bay, WHZ White Hill Ro, etc.

5d 14h

Table of station data for the 5d 14h section, including call signs, frequencies, and coordinates.

2018 DEC

Main table of station data for 2018 DEC, listing call signs, frequencies, and coordinates.

404

Table of station data for the 404 section, including call signs, frequencies, and coordinates.

Table with columns for station name, frequency, and other details. Includes stations like MGAN Managua, TOTI Tori, AZU Azuero, etc.

Table with columns for station name, frequency, and other details. Includes stations like Z47A Carrollton, Y49A Blount Mountain, X51A Calhoun, etc.

Table with columns for station name, frequency, and other details. Includes stations like ITTB Itaituba, LPAZ Albuquerque, NPGBS Novo Progresso, etc.

2018 DEC

5d 14h

5d 14h

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like ARCES ARCES Array B, RAR Rarotonga, ASAR Alice Springs, WRA Warramunga Arr, CMAR Chiang Mai Arr, CMAR Mont Dzumac.

NEIC 05 14:11:21.9.2.5, 22.2S:0.1:168.98E:0.08, h10km, 1km, mb4.6/22, Error ellipse: s-maj=19.8km s-min=12.1km az=174.0

IDC 05 14:11:24.1.6.7, 22.01S:169.05E, h29km, 46km, mb4.0/11, mbmp4.2/14, ML4.6/3, MS3.6/4, Error ellipse: s-maj=22.2km s-min=19.3km az=148.0

NOU 05 14:11:33.8, 21.91S:168.10E, h0km, MLV3.9/6, Loyalty Islands

ISC 05 14:11:24.1.0.5, 22.03S:0.08:169.03E:0.07, h31km, n74, s0589/73, mb4.5/23, MS3.8/3, SC, Southeast of Loyalty Islands

Main table for 5d 14h section, listing various stations and their parameters. Includes stations like MARNC Mare, YATNC Mamie plateau, OUCNC Ouen Toro, DZM Mont Dzumac, CTAO Charters Tower, PMG Port Moresby, STKA Stephens Creek, WR0 Warramunga Arr, AS31 Alice Springs, ASAR Alice Springs, WB0 Warramunga Arr, WRA Warramunga Arr, KNRA Kununurra, BATI Baumata, MBWA Marble Bar, NWAO Narogin (SRO), KAPI Kapang, TOLIZ Tolifoli, SBA Scott Base, MJAR Matsushiro Arr, QSPA South Pole Qui, USA0B Ussuriysk Arr, BELA Belgrano 2, CMAR Chiang Mai Arr, TROLL Troll, SNAA Sanae, VNA3 Neumayer Oyst, VNA2 Neumayer-Watz, VNA1 Neumayer-Stat, SONM Songoiro Array, NVAR Mina Array Base, ILAR Eielson Array, HFS Hagfors, ZVC Zvikov, EKA Eskdalemuir Arr, RONA Rosalia, Aust, CONA Conrad Observa, CKRC Caskey Krumholz, GHERS Geres Arr B, MOA Mollin, SOKA Soboth, OBKA Obir.

2018 DEC

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like KBA Koelnbreinsper, LESA Schwarzloetzl, MYKA Sankt Quirin, ABTA Abfallersbach, WATA Walderalm, WTTA Wattenberg, MOTA Moosalm, FETA Feichten, DAVA Damuets.

BEO 05 14:16:34.8:0.4, 43.41N:17.12E, h0km, ML2.9/15 RHSSO 05 14:16:35.1:0.3, 43.45N:17.26E, h9km, 1km, ML3.0/14 PRU 05 14:16:36.8, 43.40N:17.24E, h10km

VIE 05 14:16:37.4:1.0, 43.76N:17.78E, h8km, mb2.9/14, ml2.8/10, ms3.6/4, Error ellipse: s-maj=18.2km s-min=6.7km az=55.0

ISC 05 14:16:34.2:1.0, 43.45N:0.02:17.27E:0.01, h4km, 9km, n82, r156/160, 8C-1Z, Northwest Balkan Peninsula

Main table for 2018 DEC section, listing various stations and their parameters. Includes stations like RICI Ricice, MAKI Makarska, HVAR Hvar, STON Ston, STON Ston, STON Ston, STON Ston, STON Ston, STON Ston, LSTV Lastovo, LSTV Lastovo, KLJV Kijevo, KALIN Kalinovic, DBRK Dubrovnik, BRY Bratogost, BRY Bratogost, TREB Trebinje, TREB Trebinje, TREB Trebinje, A050A Klekovic, ZIRJ Zirje, MORI Moric, UPM Unac-Piva, BLY Banja Luka, BLY Banja Luka, HCY Herceg Novi, HAPS Han Pijesak, BI HAPS Han Pijesak, BI HAPS Han Pijesak, DOB Doboj, UDBI Udbina, RUDO Rudo, A051A Mrakovica, B051A Lazii#263i, B051A Lazii#263i, DUGI Dugi Otok, PDG Podgorica, PDG Podgorica, PDG Podgorica, VIRC Vir, PLIT Plitvice, TEKS Tekeris, TEKS Tekeris, SJES Sjenica, SJES Sjenica, NVALJ Novalj, DIVS Divibare, IVAS Ivanjica, MOSL Moslavina, RABC Rab, BOJS Bojanci, BOJS Bojanci, BOJS Bojanci, GRUS Gruza, PTJ Puntijarka, GORNJ Gornji Cirk, CRES Cresjevic Ost, CRES Cresjevic Olyst, CRES Cresjevic Olyst, RIV Rijeka, KALN Kalnik, SELS Selova, MORH Mragy, Hungary, CEY Cerknica, KOGS Kog, SKDS Skadanscina, SKDS Skadanscina, BOVS Bovan, BARS Barje, SOKA Soboth, SOKA Soboth, OBKA Obir, OBKA Obir, ZAPS Zavoj.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like ZAPS Arzberg, ARSA Arzberg, ARSA Arzberg, ARSA Arzberg, MYKA Terra Mystica, MYKA Terra Mystica, RONA Rosalia, RONA Rosalia, KBA Koelnbreinsper, CONA Conrad Observa, CONA Conrad Observa, ABTA Abfallersbach, MOA Mollin, MOA Mollin, MOA Mollin, LESA Schwarzloetzl, LESA Schwarzloetzl, JAVC Velja Javorina, WTTA Wattenberg, WATA Walderalm, KRUC Moravsky, SKUTA Sankt Quirin, SOTA Sankt Quirin, MOTA Moosalm, FETA Feichten, MAUC Maruska, KHC Kasperske Hory, MORC Moravsky Berou.

IDC 05 14:19:15.8:2.4, 9.42N:126.26E, h0km, mb3.6/5, mbmt3.6/5, MS2.8/1, Error ellipse: s-maj=221.1km s-min=21.6km az=65.0, Mindanao

IDC 05 14:21:26.9:1.4, 22.02S:169.36E, h0km, mb3.7/5, mbmt3.7/6, ML3.7/1, MS2.7/2, Error ellipse: s-maj=76.2km s-min=25.3km az=164.0

ISC 05 14:21:31.0:1.4, 21.93S:0.5:169.3E:0.1, h25km, n11, s0575/11, mb3.9/5, Southeast of Loyalty Islands

Main table for 2018 DEC section (continued), listing various stations and their parameters. Includes stations like DAV Davac City, WRA Warramunga Arr, ASAR Alice Springs, H11S WAKE ISLAND Hy, H11S WAKE ISLAND Hy, H11S WAKE ISLAND Hy, H11N WAKE ISLAND Hy, H11N WAKE ISLAND Hy, H11N WAKE ISLAND Hy, H11N WAKE ISLAND Hy, MKAR Makanchi Arr, KURBB Kurchatov Arr, DZM Mont Dzumac, DZM Mont Dzumac, DZM Mont Dzumac, STKA Stephens Creek, ASAR Alice Springs, WRA Warramunga Arr, SONM Songoiro Array, NVAR Mina Array Base, ILAR Eielson Array, ARCES ARCES Array B, BDFB Brasilia, EKA Eskdalemuir Arr, GERES Geres Arr B, NAO Songoiro Array, BER 05 14:20:06.5:3.7, 75.12N:9.32E, h22km, 23km, mb(Pn)4.0, ML3.0(N/O), Confirmed Earthquake, ISC 05 14:20:03.4:1.7, 75.12N:0.05:9.9E:0.1, h10km, n30, s210/45, Greenland Sea, HSPB Hornsund (broa), HSPB Hornsund (broa), BJOI Bjornoya, BJOI Bjornoya, BRBA Barentsburg A, BRBA Barentsburg A, BRBA Barentsburg A.

5d 15h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like FRU1 Bishkek, NIL Nilore, CHMS Chumysh, etc.

2018 DEC

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ARTI Arti, GNI Garni, BELG Belogorovye, etc.

408

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KIEV Kiev, AK11 Malin Array, CMAR Chiang Mai, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC, and various numerical values. Includes stations like USRK, SENIN, JGF, MAJO, MJAR, DAG, SEY, JTB, MBR, JMM, COCO, ESDC, BILL, PETK, NEEM, SUMG, TMTI, SANI, TORO, B20K, C18K, C23K, SWI, TOLK, A36M, G19K, E24K, IMAR, BMAR, INK, COLA, L18K, ILAR, SCRK, CNAR, CTGM, HYT, O30N, BOSA, P33M, DLBC, WRA, WRA, WRA, WRA, AS31, ASAR, GSPA, GSPA, G004, CO03.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC, and various numerical values. Includes stations like MT02, PLCA, G006, IDC, NOU, URZ, RTZ, BKZ, ARMA, MRZ, TCW, TUWZ, CTAO, CAN, PMG, COEN, STKA, BBOO, WR0, AS31, ASAR, WBO, WBO, WRB, WRA, WRA, WRA, JAY, JAY, GENI, FOR, KNRA, KNRA, FAKI, FAKI, FAKI, PSA00, PSA00, MBWA, MBWA, NWA0, MORW, KAPI, TOL2, JCJ, Vnda, MJAR, TPUB, YHNB, QSPA, QSPA, KSRN, NJ2, NJ2, USRK, PEAO, PETK, PETK, MDJ, MDJ, MAW, MAW, CN2, CN2, BNX, BNX, LYN, LYN, HNS, HNS, BELA, CM31, CMAR, CMAR, CHTO, XAN, XAN, XAN.

Table with columns: PZH, PZH, PZH, HHC, HHC, HHC, ELIB, LZH, LZH, LZH, TROLL, SNA4, SNA4, SNA4, SNA4, VNA3, VNA2, VNA1, O02D, ORV, ORV, GTA, GTA, SONM, PNTR, PNTR, DSP, DSP, CAST, CAST, GRAC, NVAR, NV11, NV11, GWY, GWY, WCT, WCT, BLYC, BLYC, TPNV, TPNV, PINE, PINE, I05D, I05D, WVOR, WVOR, BMN, BMN, PRN, PRN, E19K, E19K, J08A, J08A, ILAR, ILAR, L27K, L27K, G08A, G08A, ELK, ELK, M29M, M29M, E21K, E21K, E22K, E22K, M30M, M30M, EGAK, EGAK, DAWY, DAWY, F10A, F10A, E23K, E23K, B21K, B21K, F26K, F26K, C24K, C24K, I30M, I30M, E27K, E27K, EPYK, EPYK, C27K, C27K, D27M, D27M, WMQ, WMQ, YKA, YKA, ETMB, ETMB, RD0, RD0, PSZ, PSZ, KRCL, KRCL, JAVC, JAVC, PAVC, PAVC, CLC, CLC, EKA, EKA, ZVC, ZVC, RONA, RONA, CONA, CONA, CKRC, CKRC, GERES, GERES, GERES, GERES, SOKA, SOKA, KBA, KBA, LESA, LESA, ABLA, ABLA, WTTA, WTTA, MOTA, MOTA.

5d 15h

Table with columns: STA, Sankt Quirin, RETA, FETA, BFO, DAVA, TORD. Includes station names, coordinates, and various codes.

IDC 05 15:40:07.8, 0.5, 22.235x, 169.36E, h0km, mb4.5/21, mbmp4.5/23, ML4.9/2, MS4.5/26, Error ellipse: s-maj=16.1km s-min=14.4km az=5.0

MOS 05 15:40:09.0, 1.6, 21.935x, 169.38E, h10km, mb5.6/23, Error ellipse: s-maj=11.1km s-min=9.4km az=172.3

NEIC 05 15:40:10.2, 2.1, 27.665x, 169.46E, h12km, Moment Tensor Solution. Duration: 266 Moment tensor: Scale 1017Nm

NEIC 05 15:40:10.3, 1.5, 21.750x, 169.30E, 0.04, h10km, 1km, mb5.3/102, Mw=5.4/18 Error ellipse: s-maj=18.6km

NEIC 05 15:40:10.2, 2.1, 27.665x, 169.46E, h12km, Moment Tensor Solution. Duration: 266 Moment tensor: Scale 1017Nm

NEIC 05 15:40:10.2, 2.1, 27.665x, 169.46E, h12km, Moment Tensor Solution. Duration: 266 Moment tensor: Scale 1017Nm

NEIC 05 15:40:10.2, 2.1, 27.665x, 169.46E, h12km, Moment Tensor Solution. Duration: 266 Moment tensor: Scale 1017Nm

ISC 05 15:40:13.1, 0.3, 21.905x, 169.45E, 0.05, h25km, n403, c259/364, mb5.2/112, MS4.5/29, 27C-9D, Southeast of Loyalty Islands

Main station list table with columns: Code, Station Name, Lat, Az, Phase ID, Time, Res. Lists various seismic stations and their locations.

2018 DEC

Main station list table with columns: STA, Sankt Quirin, RETA, FETA, BFO, DAVA, TORD. Lists stations and their coordinates.

410

Main station list table with columns: STA, Sankt Quirin, RETA, FETA, BFO, DAVA, TORD. Lists stations and their coordinates.

411

Table with columns: Station, Frequency, Power, and other identifiers. Includes stations like LZH, KDAAK, TROLL, SNAAA, VNA3, etc.

2018 DEC

Table with columns: Station, Frequency, Power, and other identifiers. Includes stations like SCRRK, G08A, HAWA, X16A, 1U5A, etc.

5d 15h

Table with columns: Station, Frequency, Power, and other identifiers. Includes stations like CLL, KRUC, MODS, BOVS, PEHC, etc.

Table with columns: Code, Station, Station Name, Frequency, Power, and other identifiers. Includes stations like NEIC, AEIC, IDC, etc.

5d 15h

Table with columns: ID, Name, Azimuth, Elevation, SNR, and other parameters. Rows include stations like F19K, F21K, G19K, etc.

2018 DEC

Table with columns: ID, Name, Azimuth, Elevation, SNR, and other parameters. Rows include stations like I23K, H24K, F15K, etc.

412

Table with columns: ID, Name, Azimuth, Elevation, SNR, and other parameters. Rows include stations like G29M, N18K, H29M, etc.

5d 16h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like NLA1 Namlea, MCQ Macquarie Isla, PMOR Pomariorio Ree, etc.

2018 DEC

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like ABJI Asem Bagus, BLJI Banyuglugur, GMJI Gumukus, etc.

414

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like TPRI Tanjung Pinang, MSHR Mys Shultsa, VLA VLA, etc.

415

2018 DEC

5d 16h

Table with multiple columns containing station names, elevations, dates, and status indicators. Includes stations like Magadan, Nushagak Hills, Knik Glacier, etc.

2018 DEC

5d 16h

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like SHL Shilong, F20K Avarakt Lake, G21K Allakaket, etc.

Table with columns for station ID, name, frequency, polarization, and coordinates. Includes stations like A36M Sachs Harbour, ZSN Zaisan, YKA Yellowknife Ar, SNAASanae, etc.

Table with columns for station ID, name, frequency, polarization, and coordinates. Includes stations like BBSDSerra de San D, MURTPorto Murinho, LPSRGalich'ya Gora, etc.

Table with columns for station ID, name, frequency, polarization, and coordinates. Includes stations like VRI Vrincoicia, VRI Vrincoicia, EIL Elat, BDFB Brasilia, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NVAR, ILAR, U15A, etc.

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

IDC 05 16:11:24.6.0.6.21.94S:169.07E, h0km, mb4.4/12, mbmp4.4/14, ML4.5/2, Error ellipse: s-maj=22.6km s-min=19.7km az=72.0

NEIC 05 16:11:27.2.1.5.22.0S:0.1:169.0E:0.1, h10km, 1km, mb4.8/18, Error ellipse: s-maj=22.3km s-min=17.0km az=12.0

ISC 05 16:11:29.5.0.4.21.96S:0.09:168.99E:0.07, h31km, n93, r=1527/97, mb4.6/18, 5C, Loyalty Islands

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

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

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

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

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

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

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

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

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

ISK 05 16:22:26.6.40.18N:27.33E, h0km, ML2.2/10, Suspected Mining explosion, Turkey

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

ISK 05 16:22:58.2.36.41N:28.66E, h20km, ML1.6/7, Dodecanese Islands

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GROB Grobnik, PTJ Puntijarka, NVLJ Novolja, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ZVC Zvikov, TEKS Tekeris, JAVC Velka Javorina, etc.

IDD 05 16:28:01.2, 5.7, 37.15N; 71.77E, h97km, 39km, mb3.4/6, mbmp3.8/11, Error ellipse: s-maj=52.1km s-min=28.5km az=155.0

NNC 05 16:28:06.8, 9.2, 37.65N; 71.36E, h138km, 165km, mb3.1, mpv3.9, Error ellipse: s-maj=80.36km s-min=52.3km az=19.0

ISC 05 16:28:04.9, 1.3, 37.5N; 01x71.37E; 0.09, h109km, n22, 0151/23, mb3.5/6, 7C-3D, Afghanistan-Tajikistan border

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like AML Almayashu, EKSZ Erkin-Say, KK05 Karatay Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like AKTO Aktubinsk, ZALV Zalesovo Beam, ARCES ARCES Array B, etc.

IDD 05 16:28:14.3, 1.4, 21.93S; 169.50E, h0km, mb3.7/4, mbmp3.7/5, ML3.3/1, Error ellipse: s-maj=45.3km

ISC 05 16:28:18.2, 1.3, 21.93S; 0.3; 169.4E, 0.2, h25km, n6, 025/26, mb3.7/4, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, ASAR Alice Springs, WRA Warrunganga Arr, etc.

IDD 05 16:28:41.5, 1.1, 22.09S; 169.49E, h0km, mb4.1/6, mbmp4.0/7, ML3.7/1, Error ellipse: s-maj=35.3km

ISC 05 16:28:45.0, 9.2, 22.1S; 0.2; 169.4E, 0.1, h25km, n12, 086/173, mb4.2/8, 4C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, ASAR Alice Springs, WRA Warrunganga Arr, etc.

LJU 05 16:29:05.3, 45.666N; 14.35E, h13km, ML1.0, 1C, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CEY Cerknica, KNDS Knezi Dol, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SKDS Skadanscina, GBAS Gorjenja Brezov, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JAVS Javornik, GBRS Gornja Briga, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like RIV Rijeka, VISS Visnje, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CRNS Crni Vrh, VOJS Vojsko, etc.

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

IDD 05 16:35:02.7, 0.5, 22.17S; 169.42E, h0km, mb4.6/17, mbmp4.6/21, ML4.7/4, MS4.7/46, Error ellipse: s-maj=16.5km s-min=15.0km az=87.0

MOS 05 16:35:03.8, 1.6, 22.28S; 169.25E, h12km, mb5.3/22, Error ellipse: s-maj=9.5km s-min=9.3km az=30.7

NEIC 05 16:35:05.2, 2.2, 22.32S; 0.10, 169.17E; 0.07, h10km, 1km, mb5.2/16, Error ellipse: s-maj=16.8km s-min=11.0km az=174.0

BUI 05 16:35:05.5, 21.79S; 169.26E, h10km, mb4.8/34, mb5.4/11, Ms5.1/2, Ms7.4/7.2

GCMT 05 16:35:11.2, 0.1, 22.16S; 0.0; 169.37E; 0.01, h12km, MW5.4/128, Moment Tensor Solution. s90, c123, s128, c238; Duration: 1s2 Moment tensor: Scale 10^17 Nm; Mn=1.42e-02; M0=0.38e-03; M1=0.13e-02; M2=0.02e-06; M3=0.73e-02; M4=0.13e-06; Best double couple: M1=1.47200e-10; M2=1.3300000e-07; M3=0.00000e-07; M4=0.00000e-07; N1P2=145.00000; 843.00000; 1.94.00000; Principal axes: T 1.5160, P1g2.0000, Azm57.0000; N -0.0860, P1g2.0000; Azm147.0000; P -1.4280, P1g7.0000; Azm283.0000; Azm1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

5d 16h

2018 DEC

NOU 05:16:35:11.6,21:86S:169:02E,h49km,mb4,9/44, Southeast of Loyalty Islands

Table of station information for the Loyalty Islands region, including station name, coordinates, and operational status.

Main table of station information across various regions, including WRA, WRAA, WRAE, and others, with columns for frequency, power, and status.

Table of station information for the QSPA region, listing station names, frequencies, and operational details.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include X16A, U15A, M30M, EGAK, WUAZ, F31M, P3AR, WMQ, ARCES, OBN, PSZ, MORC, VYHS, VYHN, DPC, JAVC, VRAC, BRG, BRG, CLM, CLL, KRU, MODS, EKA, RONA, CONA, CKRC, KHC, GERES, ARSA, MOA, SOKA, BIOA, KBA, LESA, MYKA, ABTA, WATA, WTTA, MOTA, SOTA, FETA, DAVA, FUVN, TUE, TIP.

PRU 05 16:42:49.1,5140N;16:09E,h0km,Poland

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include KSP, CHVC, OSTO, UPC, DPC, PVCC, PRU, HSKC, MORC, VRAC, TREK, KRU, NKC, OJC, KHC, BRG, CKRC.

IDC 05 16:44:48.0,6,22:24S;169.48E,h0km,mb4.2/11, mbtpmd4.2/13,ML4.3/2, Error ellipse: s-maj=24.0km s-min=20.2km az=163.0 NEIC 05 16:44:52.0,1.8,22:35S;0.2:169.3E:0.1, h10km,1km, mb4.8/16, Error ellipse: s-maj=30.5km s-min=18.2km az=187.0 ISC 05 16:44:50.0,6,22:25S;0.1:169.42E:0.07,h10km,n49,

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include ONTNC, DZM, MSVF, CTAO, PMG, COEN, STKA, WRQ, AS31, ASAR, WBO, WBR2, WRA, MTN, KORT, PSAO, MBWA, NWAO, KAPI, QSPA, KSR5, CMAR, CHTO, SNA, SNA, VNA3, VNA2, VNA1, SONM, NVAR, ILAR, CLL, EKA, GERES, AGG, LES, FETA, FUON, TUOR, TORD.

LJU 05 16:53:26.9,45:56N;14:34E,h11km,ML0.3,1D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include CEY, KNDS, SKDS, GBAS, JAVS, JAVS, GBR5, CROK, OK029, OK029, ADOK, OK009, GC02, GC02, OKCSW, OKCSW, OKCSW, OK048, GSTR.

NEIC 05 16:55:16.7,0.6,36:102N;0:010;97.85W;0:01, h5km,1km, mb_Lg3.0/82,ML3.3/69, Error ellipse: s-maj=2.8km s-min=1.6km az=243.0, Oklahoma

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include CROK, OK029, ADOK, OK009, GC02, OKCSW, OK048, GSTR.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include CSTR, OK031, BLOK, OK052, KAN14, OK051, FNO, QUOK, QUOK, WRR0, KAN17, KAN17, KAN17, KAN13, NOKA, NOKA, KAN09, KAN01, DEOK, DEOK, ELIS, ELIS, T35A, X34A, WMOK, WMOK, TUL3, LOOK, LOOK, SMWD, SMWD, RTO, RTO, R32A, Z35A, U38A, FW03, CBKS, FW06, KAN17, PLMT, PLMT, AMTX, AMTX, FW07, FW07, DKNS, FW14, FW13, MIAR, MIAR, RTBA, RTBA, SN05, POST, X40A, X40A, WLAR, WHAR, MGMO, FCAR, FCAR, UALR, KSCO, BRDY, P38A, P38A, SGCY, SGCY, NATX, BGNE, 435B, T25A, LCAR, T42A, JCT, OGNE, OZNA, BRADY, PBMO, MNDH, MNDH, SDCS, HND0.

5d 17h

Table with columns for station name, frequency, and various signal quality indicators (PKiKP, P, Pp, PpP, etc.). Includes stations like VNA3, TGUH, VNA1, etc.

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Table with columns for station name, frequency, and various signal quality indicators. Includes stations like CCD, WVT, WWT, MAW, etc.

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Table with columns for station name, frequency, and various signal quality indicators. Includes stations like MNK, MNG, MNG, MNG, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Power, SNR, and other technical details. Includes stations like Mudanjiang, Urumqi, BinXian, etc.

IDC 05 17:16:27.1, 1.9, 20.37S; 168.82E, h0km, mb3.8/5, mbmp3.8/6, ML3.6/1, Error ellipse: s-maj=92.1km

ISC 05 17:16:31.7, 1.4, 20.3S; 168.8E:0.4, h31km, n8, n1424.9, mb3.6/5, Loyalty Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, SNR, and other technical details. Includes stations like Mont Dzumac, Stephens Creek, Warramunga Arr, etc.

NOU 05 17:27:01.0, 22.95S; 171.40E, h0km, mb5.7/7, Southeast of Loyalty Islands

IDC 05 17:27:24.6, 0.6, 22.01S; 169.25E, h0km, mb4.3/13, mbmp4.3/15, ML4.7/2, MS3.7/5, Error ellipse: s-maj=20.4km

NEIC 05 17:27:26.6, 1.5, 22.0S; 0.1, 169.17E:0.08, h10km, 1km, mb4.6/22, Error ellipse: s-maj=20.9km

ISC 05 17:27:29.3, 0.5, 21.94S; 0.08, 169.16E:0.06, h31km, n79, n0594/77, mb4.6/29, MS3.6/5, SC-11D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, SNR, and other technical details. Includes stations like Mamie plateau, Ouen Island, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Power, SNR, and other technical details. Includes stations like Korea Array, Nanjing, Mawson, etc.

UPA 05 17:41:20.2, 3.0, 9.01N; 78.40W, h10km, 10km, ML4.4, MW4.7

RSNC 05 17:41:21.6, 0.0, 9.1N; 1.7, 78W, h62km, 6km, M3.1, mb5.2, mb4.1, ML2.9, MW(m)B4.5

ISC 05 17:41:18.9, 1.2, 9.18N; 0.05, 78.38W:0.03, h87km, 10km, n48, i160/85, 8C-12D, Panama

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, SNR, and other technical details. Includes stations like Torti, Canitas, Chepo, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Power, SNR, and other technical details. Includes stations like Apartado, Azuero, Chitre, etc.

IDC 05 17:47:53.1, 3.2, 21.85S; 169.42E, h0km, mb3.8/3, mbmp3.7/4, ML3.3/1, Error ellipse: s-maj=167.8km

s-min=26.4km az=162.0, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, SNR, and other technical details. Includes stations like Mont Dzumac, Alice Springs, etc.

IDC 05 17:51:18.5, 2.0, 21.67S; 169.37E, h0km, mb4.0/6, mbmp4.0/7, ML3.7/1, Error ellipse: s-maj=88.3km

s-min=24.5km az=152.0, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, SNR, and other technical details. Includes stations like Mamie plateau, Ouen Island, etc.

NOU 05 18:09:28.4, 22.22S; 169.16E, h0km, ML4.2/9, Southeast of Loyalty Islands

IDC 05 18:09:30.7, 2.2, 22.27S; 169.55E, h0km, mb3.7/6, mbmp3.7/7, ML3.5/1, Error ellipse: s-maj=120.5km

s-min=26.3km az=161.0, Southeast of Loyalty Islands

ISC 05 18:09:55.1, 2.2, 22.0S; 0.1, 169.4E:0.1, h25km, n16, n1808/17, mb3.7/6, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, SNR, and other technical details. Includes stations like Mamie plateau, Ouen Island, etc.

IDC 05 18:12:14.3, 5.6, 37.69N; 20.23E, h0km, mb3.6/6,

mbmp3.6/7,ML3.8/1,MS3.9/1,Error ellipse: s-maj=96.8km s-min=4.1,km az=44.0
ATH 05 18:12:17.7,37.69N,20.45E,h4km,1km,ML3.3/17,Manual Solution by A.Andreu First location: 2018/12/05 18:13:11, This location: 2020/07/27 07:10:25 ML Amplitudes are expressed in micrometers. All distances are expressed in degrees Latitude uncertainty: 1 km; Longitude uncertainty: 1 km

THE 05 18:12:18.5,37.69N,20.54E,h14km,ML3.1/11,Error ellipse: s-maj=1.4km s-min=0.5km az=56.0
ISC 05 18:12:17.5,1.1,37.69N,0.0,20.49E,0.05,h19km,3km,n27,-0875/66,mb4.2/11,MS3.8/4,Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like ORTH, KRII, LTHK, LKTH, etc.

IDC 05 18:14:25.7,1.0,22.31S,169.95E,h0km,mb4.0/8,mbmp4.0/8,ML4.1/1,MS3.8/4,Error ellipse: s-maj=35.8km s-min=26.0km az=167.0
NEIC 05 18:14:31.2,5.2,22.2S,0.3,169.51E,0.0,9,h10km,1km,mb4.5/6,Error ellipse: s-maj=46.5km s-min=12.7km az=171.0

ISC 05 18:14:30.2,0.8,22.3S,0.2,169.72E,0.08,h23km,n27,-159/24,mb4.2/11,MS3.8/4,Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like ONTNC, DZM, KOUNC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like CMAR, SONM, NVAR, ILAR, CLL, EKA, KHC, GERES, etc.

IDC 05 18:17:17.6,1.1,21.87S,169.97E,h0km,mb4.0/8,mbmp4.0/9,ML3.8/1,MS3.6/5,Error ellipse: s-maj=35.2km s-min=25.0km az=143.0

ISC 05 18:17:21.7,0.7,21.93S,0.2,169.93E,0.1,h25km,n39,-0867/36,mb4.1/11,MS3.7/5,SC,Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like DZM, RPZ, STKA, ASAR, WRA, BUNJ, JATU, GSPA, USRK, CMAR, TROLL, SNA, VNA3, VNA2, YNA1, SONM, ILAR, ARCS, CLL, CKA, ZVC, RONA, CKRC, KHC, GERES, MOA, BIOA, SOKA, KBA, LESA, MYKA, ABTA, WATA, WTTA, MOTA, SQT, FETA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like SONM, J05D, PINE, ILAR, CLL, EKA, GERES, GR01, GRFO, etc.

NEIC 05 18:22:50.3,1.4,10.6S,0.1,166.0E,0.1,h77km,7km,mb4.8/88,Error ellipse: s-maj=17.9km s-min=14.7km az=198.0

NOU 05 18:22:56.0,10.3,165.88E,h126km,mb4.9/42,Santa Cruz Islands

IDC 05 18:22:56.1,2.4,10.64S,165.91E,h136km,20km,mb4.2/14,mbmp4.6/18,MS3.2/11,Error ellipse: s-maj=17.0km s-min=12.0km az=55.0

ISC 05 18:22:55.9,0.7,10.65S,0.0,165.89E,0.05,h135km,6km,n226,-1941/206,mb4.6/11,SC,Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like LUES, LUES, HURO, ALEG, VLAKA, NGAO, HNR, HNR, HNR, ONTNC, MSVF, MSVF, RABL, PMG, PATS, PATS, MANU, CTA, CTAO, CTAO, CTAO, COEN, COEN, COEN, ARMA, WAZ, KUZ, KUZ, TOZ, KMRZ, TLZ, HAZ, HAZ, INKA, PKGZ, URZ, URZ, URZ, WMGZ, MUZG, RATZ, MWZ, TWGZ, KATZ, RTZ, MRHZ, WTVZ, NWZ, TMVZ, ETVZ, NGZ, OTVZ, CHWZ, SNVZ, MTHZ, PKVZ, FWVZ, TUWZ, TRVZ, TRVZ, SHANNON, CNVZ, WNVZ, RAHZ, RAHZ, BKZ, BKZ, MOVZ, NUVZ, KNUZ, KWHZ, ARHZ, MOHZ, KRHZ, CKHZ, TSZ, KAHZ, STKA, STKA, STKA, STKA, PHXZ, PRHZ, PRVZ, MRZ, ANWZ, NNZ, MRNZ, BFZ, BFZ, TCWZ, TUWZ, SNZO, etc.

5d 18h

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Main data table with columns for station name, frequency, power, and other technical details. Includes sub-sections for 'baz=93' and 'baz=126'.

IDC 05 18:45:39.5:1.0:0.21:95S:169:12E,h0km,mb3.9/8, mbmp3.9,ML3.7/1,MS2.7/1,Error ellipse: s-maj=32.9km s-min=24.8km az=166.0

NOU 05 18:46:13.2:2.21:17S:166:91E,h0km,MLV2.7/8,New

ISC 05 18:45:44.0:8.21:9S:0:2:169:04E:0:09,h31km,m24, 0:050/25,mb4.2/11,5C,Southeast of Loyalty Islands

Summary table with columns: Code, Station Name, Az, Phase ID, Time, Res, Hms, Res, ISC. Lists various stations and their associated data.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like Alice Springs, Warramunga Arr, South Pole Qui, etc.

IDC 05 18:56:42.5e.1.2, 13.70N:145.12E, h138km, mb3.3/4, mbtmp3.7/4, Error ellipse: s-maj=57.7km s-min=20.6km az=102.0

NEIC 05 18:56:42.6e.1.2, 13.93N:0.07E:144.6E:0.2, h146km, mb4.4/12, Error ellipse: s-maj=28.3km s-min=9.3km az=98.0

ISC 05 18:56:42.4e.0.9, 13.93N:0.1x144.8E:0.2, h150km, n18, az=66.1/3, mb4.2/10, Marian Islands

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like Guam, Pohnpei, Warramunga Arr, etc.

NNC 05 19:04:59.0e.1.2, 41.63N:73.20E, h0km, mb3.9, mpv3.6, Error ellipse: s-maj=11.6km s-min=5.3km az=176.0

ISC 05 19:04:56.4e.1.1, 41.60N:0.02E:73.26E:0.12, h2km, n10km, n73, r157/125, 42C-27Z, Kyrgyzstan

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

Main table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like Taraz, Uraloh, Karamyk, etc.

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

IDC 05 19:08:06.1e.2.8, 34.76N:96.58E, h0km, mb3.0/2, mbtmp3.3/4, ML3.6/2, MS3.0/2, Error ellipse: s-maj=78.3km s-min=36.4km az=73.0, Qinghai

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like Sonngo Array, Chiang Mai Arr, Kurchatov Arra, etc.

IDC 05 19:14:20.7e.2.6, 21.86S:169.26E, h0km, mb4.0/4, mbtmp4.0/4, MS3.0/2, Error ellipse: s-maj=129.6km s-min=30.1km az=158.0

ISC 05 19:14:23.3e.1.0, 22.3S:0.3x169.4E:0.2, h23km, n13, az=43/11, mb4.3/7, 4C-1D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like Mont Dzumac, Alice Springs, Warramunga Arr, etc.

IDC 05 19:22:50.3e.1.6, 28.08S:63.63E, h0km, mb3.6/4, mbtmp3.6/4, MS3.8/1, Error ellipse: s-maj=63.4km s-min=32.3km az=21.0, Southwest Indian Ridge

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

IDC 05 19:28:09.4e.1.5, 20.80S:168.63E, h0km, mb3.8/4, mbtmp3.8/4, Error ellipse: s-maj=45.1km s-min=37.3km az=173.0, Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like Mont Dzumac, Warramunga Arr, etc.

BUI 05 19:34:14.3, 22:08S:170:05E, h13km, mb4.7/18, mb5.3/5, Ms5.1/1, Ms7.4/7

IDC 05 19:34:15.2e.0.7, 21.82S:169.82E, h0km, mb4.4/12, mbtmp4.4/13, ML3.9/1, MS3.8/16, Error ellipse: s-maj=24.1km s-min=19.2km az=127.0

NEIC 05 19:34:17.2e.7.1, 21.8S:0.1x169.7E:0.1, h10km, 1km, mb4.9/32, Error ellipse: s-maj=22.4km s-min=17.2km az=3.0

NOU 05 19:34:26.8, 21:67S:169:18E, h43km, mb4.6/40, Southeast of Loyalty Islands

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

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like ONTNC Queen Toro, NOUC Port Laguerre, NOUC Port Laguerre, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like TROLL Troll, Antarti, SNAAS Sanae, SNAAS Sanae, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like IDC 05 19:47:26, IDC 05 19:47:32, etc.

Table with columns: URZ, Urewera, 6.75 211 Pn, Pn, 19 54 32.3 +0.6, 3.7m, 0.3s, baz=324, slow=8.7, SNR=2.1, Sn

JMA 05 19:56:26.3:0.1, 31.61N:01:130.3E:0.03, h7km, MV0.3/9, SATSUMA PENINSULA REGION, Kyushu

IDC 05 19:56:57.2:8.1, 4.77S:147.39E, h0km, mb3.1/1, mbtmp3.3/2, ML3.4/1, Error ellipse: s-maj=341.0km

JMA 05 19:57:21.4:1.0, 36.18N:006:140.22E:0.05, h82km, 77km, n24, r1568/32, mb3.4/3, Near east coast of eastern Honshu

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

NEIC 05 19:58:26.5:2.1, 18.7N:01:69.00W:0.05, h122km, 7km, ML3.0/0, M3.2/1(3RSP), Error ellipse: s-maj=15.1km

OSPL 05 19:58:28.2:2.4, 18.60N:68.96W, h122km, 15km, ML2.8, SDD 05 19:58:28.3:2.6, 18.57N:68.98W, h124km, 9km, MD3.4, ML3.1, MW3.6

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

Table with columns: SDD, Santo Domingo, 0.88 260 Pn, Pn, 19 58 46.4 -1.4, 19 59 05.8, IAML

IDC 05 20:01:24.8:0.6, 21.91S:169.27E, h0km, mb4.5/16, mbtmp4.4/17, ML3.4/3/1, MS3.9/14, Error ellipse: s-maj=20.1km s-min=16.6km az=103.0

MOS 05 20:01:26.0:0.9, 21.94S:168.98E, h10km, mb5.1/13, Error ellipse: s-maj=12.7km s-min=11.3km az=131.0

NEIC 05 20:01:27.2:2.0, 22.05S:01:169.20E:0.1, h10km, 1km, mb5.0/56, Error ellipse: s-maj=18.7km s-min=15.0km az=25.0

NOU 05 20:01:38.2:2.1, 96S:168.23E, h0km, MLV4.2/7, Loyalty Islands

ISC 05 20:01:26.4:0.4, 21.39S:01:169.26E:0.06, h10km, n237, r1919/203, mb4.9/58, MS4.0/11, 35C-27D, Southeast of Bougainville

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

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

Table with columns: QUENC, Ouen Island, N, 2.28 259 P, Pn, 20 02 03.7 -0.4, 20 02 08.0 -0.8, 20 02 08.1 -0.6

ISC 05 20:01:26.4:0.4, 21.39S:01:169.26E:0.06, h10km, n237, r1919/203, mb4.9/58, MS4.0/11, 35C-27D, Southeast of Bougainville

ISC 05 20:01:26.4:0.4, 21.39S:01:169.26E:0.06, h10km, n237, r1919/203, mb4.9/58, MS4.0/11, 35C-27D, Southeast of Bougainville

ISC 05 20:01:26.4:0.4, 21.39S:01:169.26E:0.06, h10km, n237, r1919/203, mb4.9/58, MS4.0/11, 35C-27D, Southeast of Bougainville

ISC 05 20:01:26.4:0.4, 21.39S:01:169.26E:0.06, h10km, n237, r1919/203, mb4.9/58, MS4.0/11, 35C-27D, Southeast of Bougainville

ISC 05 20:01:26.4:0.4, 21.39S:01:169.26E:0.06, h10km, n237, r1919/203, mb4.9/58, MS4.0/11, 35C-27D, Southeast of Bougainville

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

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

5d 20h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like PZH, HHC, HIA, ZEA, etc.

2019 DEC

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like BANR, VRAC, PRCU, etc.

432

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like SONM, NVAR, ILAR, etc.

Table with columns: Code, Station Name, Az, El, AzE, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like IPIR, SHRT, DQM, TABS, QAMS, Gafidab, HRA, etc.

Table with columns: Code, Station Name, Az, El, AzE, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like KURK, ARTI, WMO, AKASG, AKKB, etc.

Table with columns: Code, Station Name, Az, El, AzE, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like n12, NUBE, Cerro Verde, LOAL, etc.

SNET 05 20:15:03.5:1.2, 13:22N:90:41W, h12km, 26km, ML3.1
GCG 05 20:15:06.3:0.3, 13:54N:90:46W, h2km, 24km, MD3.5
ISC 05 20:15:01.5:2.9, 13:22N:01:90:47W:0:07, h11km, 14km,

JMA 05 20:54:34.0:0.2, 23:1N:0:4:12'2"E, h23km, 3km,
MV2.8/10, TAIWAN REGION
TAP 05 20:54:35.6, 23:08N:121:70E, h26km, ML2.6, C
ISC 05 20:54:32.2:1.0, 23:03N:102:11:18'E:0:02, h20km, 9km,

2018 DEC

5d 21h

Table with columns: ID, Name, Date, Time, P, Pmax, and numerical values. Includes entries like BJT Bajijatuau, BELA Belgrano 2, CMAR Chiang Mai Arr, etc.

Table with columns: ID, Name, Date, Time, P, Pmax, and numerical values. Includes entries like M14K Bethel, SEY Seymchan, M15K Kasigluk River, etc.

Table with columns: ID, Name, Date, Time, P, Pmax, and numerical values. Includes entries like CUT Chulitna, G17K Kwalik Mounta, M23K Glacier View, etc.

Table with columns for station name, frequency, power, and various status codes. Includes stations like ILAR, H29M, MPPY, etc., with their respective details.

5d 21h

2018 DEC

Table with columns for station name, coordinates, frequency, and other details. Includes stations like BRG Berggiesshubel, SRO Srobarova, SMOL Smolenice, etc.

Table with columns for station name, coordinates, frequency, and other details. Includes stations like TIR Tirane, WME Myrdd Eilian, WRE Pratoget, etc.

Table with columns for station name, coordinates, frequency, and other details. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, MBWA Marble Bar, etc.

IDC 05 21:36:38.5; 1.0, 0.22; 01S: 169.42E, h0km, mb4.7/7, mbmp4.7, ML3.8/1, Error ellipse: s-maj=32.1km, s-min=23.7km, az=158.0

ISC 05 21:36:39.7; 2.3, 2.2; 1S: 0.1; 169.5E: 0.1, h10km, n34, mb4.6/15, Error ellipse: s-maj=21.0km s-min=17.4km

Table with columns for Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like CHC Chr Cany lake, CLC China Lake, etc.

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.

IOC 05 21:50:20.4z, 2.1300S, 45.40E, h0km, mb3.7/4, mmp3s, 7.5, ML.4, 1/2, Error ellipse: s-maj=62.6km s-min=28.0km az=165.0

NEIC 05 21:50:21.4z, 1.2, 12.905S, 0.08+45.3E, 0.1, h10km, 2km, mb4.0/5, Error ellipse: s-maj=23.1km s-min=13.7km az=86.0

ISC 05 21:50:20.0z, 8.12, 9.05S, 0.08+45.3E, 0.1, h10km, n18, z=218, 19, mb3.8/4, Northwest of Madagascar

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

WRA comp=2.0, 8.1m, 1.1s, baz=260, slow=4.6, SNR=2.9

ZUR 05 21:50:44.0, 46.76N, 7.23E, h-1km, 2km, MLh0.8/20, Error ellipse: s-maj=60.12, 2km s-min=160.5km az=239.0

STR 05 21:50:44.0, 5.5, 47.7N, 3.3E, h3km, 4km, MLv1.6/11, 1C-1.2, Error ellipse: s-maj=2.0km s-min=0.0km az=123.9, preliminary Switzerland

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

ATH 05 21:51:01.7, 37.37N, 20.67E, h6km, 3km, ML3.1/8, Manual Solution by S.Koutrakis First location: 2018/12/05

THE 05 21:51:02.1, 37.40N, 20.72E, h15km, ML3.0/12, Error ellipse: s-maj=1.2km s-min=0.5km az=50.0

ISC 05 21:50:19.1z, 1.3, 37.39N, 0.04+20.71E, 0.04, h14km, 8km, n27, 0+60/53, Ionian Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

Table with columns: Station Name, Azimuth (AZ), Elevation (E), Phase ID, Op, ISC, Time, Res, and ISC. Lists various stations like PMPB, Q09A, RYN, etc.

IDC 05 22:14:54.2, 0.9, 2.215x, 169.48E, h0km, mb4.0/3, mbtm3.9/9, ML3.2/1, MS3.3/2, Error ellipse: s-maj=31.8km s-min=23.0km az=176.0

ISC 05 22:14:58.2, 0.8, 2.2215x, 169.48E, 0.10, h25km, n12, c088/12, mb4.0/3, Southeast of Loyalty Islands

Continuation of station data table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, ISC, Time, Res, and ISC. Lists stations like DZM, ASAR, WRA, etc.

IDC 05 22:16:40.1, 3.5, 12.375x, 167.46E, h0km, mb4.0/3, mbtm3.9/4, ML3.9/1, Error ellipse: s-maj=77.6km s-min=44.3km az=97.0, Santa Cruz Islands

Continuation of station data table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, ISC, Time, Res, and ISC. Lists stations like DZM, WRA, ASAR, MKAR, etc.

KRNET 05 22:17:26.9, 0.1, 42.224N, 71.50E, h21km, mb3.5, NNC 05 22:17:27.0, 7.0, 42.232N, 71.54E, h0km, mb4.5, mpv4.3, Error ellipse: s-maj=7.6km s-min=2.2km az=11.0

SOME 05 22:17:28.4, 4.2, 20N, 71.62E, h10km, KNET 05 22:17:29.8, 0.8, 42.222N, 71.73E, h5km, 8km, ml3.5, Error ellipse: s-maj=11.9km s-min=4.9km az=0.0

ISC 05 22:17:28.0, 0.7, 42.224N, 0.02, 71.56E, 0.02, h10km, n81, c1984/130, 46C-40D, Kyrgyzstan

Large table listing station data with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, ISC, Time, Res, and ISC. Includes stations like ARK, DZA, MNAS, MRKS, etc.

Table listing station data with columns: Station Name, Azimuth, Elevation, Phase ID, Op, ISC, Time, Res, and ISC. Includes stations like KTBS, TNSS, TNSN, etc.

TEH 05 22:23:53.8, 34.35N, 65.41E, h10km, 167km, ML2.5, ISN 05 22:23:54.3, 0.4, 34.36N, 65.60E, h17km, 17km, ML2.5

ISC 05 22:23:54.2, 1.2, 34.35N, 65.49E, 0.04, h7km, 10km, n9, c0723/14, Iran-Iraq border region

Table listing station data with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, ISC, Time, Res, and ISC. Includes stations like KGSJ, GLG1, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DZM, STKA, STKA, WRA, ASAR, EKA, GERES.

IDC 05:22:33.36.0.1.0.3.07S:12.00W,h0km,mb4.0/16, mbtmp4.0/17,ML2.9/1,MS4.0/30,Error ellipse: s-maj=39.3km s-min=17.3km az=98.0

NEIC 05:22:33.37.61.0.3.15.0.1:12.1W:0.1,h10km,1km mb4.5/15,Error ellipse: s-maj=24.0km s-min=11.0km az=129.0

GCMT 05:22:33.40.6.0.3.3.05S:0.04:12.18W:0.02,h19km,1km MW5.0/90,Moment Tensor Solution,s22,c27,s90,c109; Duration: 0 Moment tensor: Scale 10^19Nm; Mir-3.58:25; Mw0.76:14; Mw2.82:15; Mw0.57:37; Mw0.55:10; Mw0.03:26; Best double couple: M3.30700:10^16 NP1:22.00000:0.646.00000:0.8.0.00000: NP2: 0.8187.00000:0.645.00000:0.8.101.00000: Principal axes: T 2.9590,Plg1.0000: Azm104.0000: N 0.6940, Plg7.0000: Azm194.0000: P -3.6560,Plg82.0000: Azm7.0000: nst1a refers to body waves, cutoff=40s. nst2a refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 05:22:33.37.5.0.5.3.01S:0.09:12.1W:0.1,h13km,n72. 0r135/42,mb4.4/26,MS4.0/29,S2C,North of Ascension Island

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KBZ, VNA2, BORG, VNA3, SNAAS, SNAAS, SNAAS, TROLL, FINES, UOSS, UOSS, WSAR, JTS, SADO, ARCES, MAW, QSAW, BVAR, AAK, KURBB, MKAR, ASAR, WRA.

IDC 05:22:33.05.9.1.4.20.3S:0.1:17.7W:0.1,h49km,6gkm, mb4.6/59,Error ellipse: s-maj=16.4km s-min=14.6km az=95.0

IDC 05:22:33.06.5.1.2.20.28S:177.80W,h508km,11km, mb3.7/14,mbtmp4.5/15,Error ellipse: s-maj=15.0km s-min=12.0km az=95.0

NOU 05:22:33.18.8.20.35S:178.51W,h616km,mb4.8/39,Fiji Islands Region

ISC 05:22:33.05.8.0.3.20.33S:0.06:177.70W:0.06,h500km, mb4.5/103/252,mb4.5/54,24C-4D,Fiji Islands Region

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

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like M30M Minto, VNA2 Neumayer-Watz, VNA1 Neumayer-Stat, DAWY Dawson, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like DZM Mont Dumay, MSVF Novsazu, CTA Charters Tower, STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, FITZ Fitzroy Crossi, BATI Baumata, NWA0 Narrogin (SRO), DAV Davao City (W), QSPA South Pole Qui, VNA2 Neumayer-Watz, VNA1 Neumayer-Stat, EKA Eskdalemuir Arr, GERES GERES Array B, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like TPNV Topopah Spring, GMN Gold Mountain, MWU Marysville, MTO3 Montecristo, DSP Deep Springs, R11B Troy Canyon, Q24A Divide, TPH Tonopah, G12A Willow Creek R, NWAR Minna Array, NVAR Mina Array, NVAR Minna Array, RYN Ryan, DUG Dugway, WAKR Walker, WAKR Walker, JLU Jordanelle, N23A Red Feather L, PNTR Pine Nut, PNTR Pine Nut, BGU Big Grassy Mtn, BGU Big Grassy Mtn, ELK Elko, BMN Battle Mountai, BMN Battle Mountai, HWUT Hardware Ranch, HWUT Hardware Ranch, ORV Oroville, K22A Casper, PD31 Pinedale Array, PD31 Pinedale Array, FWXY Fox Creek, FWXY Fox Creek, WVOR Wild Horse Val, HLID Hilday, HLID Hilday, JH8A Circle Bar Ran, YNR Norris Junctio, YNR Norris Junctio, QMST Earthquake Lak, QMST Fort Rock, OR, J05D, PINE Pinedale Mountain, SADO Sadowa, DLBC Dease Lake, YKA Yellowknife Arr, YKA Yellowknife Arr, SCHO Schefferville, ILAR Eielson Array, ILAR Eielson Array, BMAR Burnt Mountain, LPAZ La Paz, LPAZ La Paz, PPT2 Papeset, PPT2 Papeset, IMAR Inuit Mountain, TBI Tubus Mountain, H03N2 Juan Fernandez, H03N1 Juan Fernandez, H03N3 Juan Fernandez, FINES FINESS Array B, WARR Warramunga Arr, ASAR Alice Springs, etc.

Code Station Name Az AzZ Phase ID Time Res ISC
Code Station Name Az AzZ Phase ID Time Res ISC

Code Station Name Az AzZ Phase ID Time Res ISC
Code Station Name Az AzZ Phase ID Time Res ISC

Code Station Name Az AzZ Phase ID Time Res ISC
Code Station Name Az AzZ Phase ID Time Res ISC

Code Station Name Az AzZ Phase ID Time Res ISC
Code Station Name Az AzZ Phase ID Time Res ISC

IDC 05 23:28:40.6:1.7, 17.97Sx178.37W, h587km, 17km, mb2.8/5, mltmp3.7/6, Error ellipse: s-maj=36.5km s-min=18.0km az=152.0

ISC 05 23:28:40.9:0.9, 17.9S:0.2x178.4W:0.2, h600km, n10, c061/14, mb3.3/3, Fiji Islands region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time Res, h m s, ISC. Includes stations like MSFV Nonsavu, WRA Waramunga Arr, ASAR Alice Springs, etc.

NNC 05 23:37:50.0:2.2, 41.02N:82.97E, h0km, mb3.5, mpv3.2, Error ellipse: s-maj=23.0km s-min=14.2km az=46.0

SOME 05 23:37:47.5, 40.85N:82.97E, h10km, Southern Xinjiang

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time Res, h m s, ISC. Includes stations like SHLS Shalkode, ZHN Zhinshike, ARXK Arharly, etc.

IDC 05 23:39:25.5:3.0, 21.73Sx169.26E, h0km, mb3.8/3, mltmp3.7/6, ML3.0/3, Error ellipse: s-maj=152.6km s-min=24.9km az=160.0, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time Res, h m s, ISC. Includes stations like DZM Mont Dzumac, ASAR Alice Springs, etc.

IDC 05 23:42:29.7:1.6, 6.48S:129.43E, h0km, mb3.6/3, mltmp3.7/6, ML3.0/3, Error ellipse: s-maj=81.3km s-min=24.2km az=78.0

NEIC 05 23:42:44.9:2.4, 6.8S:0.1, 129.4E:0.1, h155km, 19km, mb4.0/3, Error ellipse: s-maj=27.8km s-min=6.6km az=134.0

ISC 05 23:42:44.2:0.8, 6.96S:0.08x129.5E:0.1, h150km, n18, c0190/19, mb3.6/4, Banda Sea

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time Res, h m s, ISC. Includes stations like SAUI Saumlaki, WRA Waramunga Arr, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time Res, h m s, ISC. Includes stations like ASAR Alice Springs, SOMM Songino Array, MK31 Makanchi Array, etc.

NOU 05 23:45:33.1, 22.11S:169.52E, h0km, MLV.9/14, Southeast of Loyalty Islands

IDC 05 23:45:33.5:0.7, 22.18S:169.50E, h0km, mb4.5/14, mltmp3.7/6, ML4.0/14, Error ellipse: s-maj=21.7km s-min=18.8km az=161.0

NEIC 05 23:45:35.9:1.4, 22.23S:0.05:169.38E:0.08, h10km, 1km, mb5.0/43, Error ellipse: s-maj=12.3km s-min=7.1km az=107.0

GCMT 05 23:45:39.9:0.3, 22.23S:0.04:169.35E:0.04, h18km, 1km, MW4.9/76, Moment Tensor Solution. s20.c24; s76.c97; Duration: 0 Moment tensor: Scale 10^16Nm; Mr-2.72x20; Mw-1.43x15; Ms-0.29x12; Mm-0.38x33; Mv-0.85x07; Mb-0.50x33; Best double couple: M2:52400x10^16

NF1:323.00000; 047.00000; A-75.00000; NP2: 0.122 00000; 345.00000; 105.00000; Principal axes: tau 2 11 10, P1:1.00000, A:4.00000; N: 0.6270

P1g11 0.0000, Azm133.0000; P-2.8380, P1g79.0000, Azm309.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 05 23:45:37.5:0.4, 22.19S:0.07x169.46E:0.06, h25km, n148, c1942/134, mb4.9/41, MS4.0/19, SC-1D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time Res, h m s, ISC. Includes stations like MARNC Mare, Loyalty, YATNC Mamie plateau, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time Res, h m s, ISC. Includes stations like SANI Sanana, NWAO Narrogin (SRO), MORW Morawa, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like IPOC Station P, Diego Aracena, Chuzmiza, etc.

THE 06:00:55.47, 0.37°47N, 20°67'E, h8km, 4km, ML2.5/8, Error ellipse: s-maj=4.7km s-min=0.7km az=31.0

ATH 06:00:55.47, 1.37°49N, 20°67'E, h11km, 2km, ML2.5/6, Manual Solution by S.Kourakis First location: 2018/12/06

ISC 06:00:05:46.8-1.5, 37.48°N, 0°05:20.66E, h0km, 7km, n29, c0547/52, Ionian Sea

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like KERI, Lithakia, Kipseli, Zakin, etc.

BER 06:00:08:35.4±2.8, 70°86'N, 6°86'W, h10km, mb(Pn)4.1, ML3.2, Confirmed Earthquake

ISC 06:00:08:30.6±0.8, 70.73°N, 0°08:46'W, h0km, n22, c274/37, 4D, Jan Mayen Island region

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like Jan Mayen East, Jan Mayen West, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like Daneborg, Danmarks Havn, Lofoten, etc.

SOME 06:00:11:55.1, 42°30N, 71°30E, h5km, NNC 06:00:11:56.5±0.5, 42.37°N, 71°28E, h0km, mpv2.7, 13C-5D, Error ellipse: s-maj=3.7km s-min=2.8km az=25.0

Kyrgyzstan

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like Karatay Array, Iuzhnyy, Brolady, etc.

ISC 06:00:15:24.2±0.9, 22°00'S, 169°28'E, h0km, mb4.1/11, mbmp4.1/12, ML3.5/1, MS2.9/1, Error ellipse: s-maj=29.5km s-min=23.7km az=172.0

ISC 06:00:15:29.5±0.8, 22°1'S, 02°16'21E, h0km, n19, c1503/20, mb4.3/14, 5C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like Mont Dzumac, Port Moresby, ASAR, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like Mina Array, ILAR, EKA, GERES, etc.

ISC 06:00:22:31.1±2.5, 5°22'S, 146°50'E, h120km, 23km, mb3.7/3, mbmp4.2/26, MS3.7/1, Error ellipse: s-maj=31.5km s-min=19.2km az=72.0

ISC 06:00:22:29.4±1.3, 5°15'S, 146.6°E, h100km, n7, c1507/0, mb3.9/3, Eastern New Guinea region

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like Port Moresby, Jayapura, WRA, etc.

HEL 06:00:28:30.0±0.1, 67°84'N, 20°24'E, h0km, ML1.6, Explosion UPP 06:00:28:29.2±0.0, 67°85'N, 20°21'E, h0km, ML2.2, Unknown, Sweden

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like Kuravaara, Ratul, Kouv, etc.

HEL 06:00:29:59.6±0.2, 67°64'N, 33°79'E, h0km, ML1.7, Suspected explosion, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like Lovozero, Vario, Oulanka, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, PWS, ISC, h, m, s, ISC. Rows include stations like Paritu Road, Te Karaka, Kokohu, Carnagh Statio, Mahia Peninsula, etc.

TAP 06:00:57:39.9, 24'54N:122'77E, h92km, ML2.6, C
JMA 06:00:57:40.0, 24'54N:122'77E, h91km, 1km,
MW2.5/12, NW OFF ISHIGAKIJIMA IS

ISC 06:00:57:39.51, 5.2446N, 0.05:122'77E:0.03, h97km, 9km,
n49, n062/81, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, PWS, ISC, h, m, s, ISC. Rows include stations like YONAGUNI jima, EIOS3, EIOS2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, PWS, ISC, h, m, s, ISC. Rows include stations like HGSD Ruisui, HGSD NSTT, etc.

MOS 06:01:02:41.9, 1.2, 8.22S:115.98E, h5km, mb5.6/51,
MS4.9/10, Error ellipse: s-maj=7.1km s-min=4.7km

Bull 06:01:02:43.8, 8.40S x 116.10E, h10km, mb5.3/96, mB5.6/67,
Ms5.2/80, Ms7.5/77

NEIC 06:01:02:46.3, 8.43S x 116.05E, h16.05E, h30km,
NEIC 06:01:02:46.3, 1.9, 8.40S:0.06:116.01E:0.05, h12km, 1km,

mb5.6/150, Ms, 20.5, 2.7E, Mw5.5/50, Mw5.5/33, Error
ellipse: s-maj=9.6km s-min=9.2km az=174.0, Moment

Tensor Solution. Moment tensor: Scale 10717Nm;
Mn:0.92; Mm:0.77; Mss:0.15; Ms:1.94; Mss:0.38;

Mn:0.16; Fault plane solution: Ms2.16000x10^17 NP1:
q=262.92000°, 877.78000°, 197.96000°. NP2: q=49.45000°,

delta14.55000°, 157.39000°. Principal axes: T 2.1898,
Plg57.0000°, Azm183.0000°; N -0.0671, Plg8.0000°,

Azm81.0000°; P -2.1227, Plg32.0000°, Azm346.0000°;
IPGP 06:01:02:46.0, 8.54S x 116.05E, h16.05E, h30km, Mw5.5, Fault plane

solution: NP1: q=248.0000°, 886.0000°, 172.00000°.
NP2: q=107.0000°, 829.0000°, 125.00000°.

NEIC 06:01:02:46.3, 8.50S x 116.22E, h30km, Moment
Tensor Solution. Duration: 219 Moment tensor: Scale 10717Nm;

Mn:1.73; Mm:2.03; Mss:0.30; Ms:1.57; Mss:0.03; Msr:0.14;
Fault plane solution: Ms2.46000x10^17 NP1:

q=266.47000°, 865.04000°, 185.99000°. NP2: q=95.91000°,
q=25.26000°, 198.55000°. Principal axes: T 2.3153,

Plg70.0000°, Azm168.0000°; N 0.2863, Plg4.0000°,
Azm268.0000°; P -2.6016, Plg20.0000°, Azm359.0000°;

NEIC 06:01:02:46.3, 8.40S x 116.01E, h30km,
DJA 06:01:02:47.3, 9.9S x 116.11E, h16km, Mw5.5/36, M5.4/120,

mb5.9/101, mb5.6/120, MLv5.9/35, Mw5.3/160,
Mw(mB)5.5/101, MwMwp5.5/57, Mw5.5/57

GCMT 06:01:02:47.3, 0.1, 8.36S:0.01:116.01E:0.01, h23km,
MW5.5/141, Moment Tensor Solution. s133.c2/38;

s141.c2/88; Duration: 154 Moment tensor: Scale 10717
Nm; Mn:1.46; Mm:0.41; Mss:0.62; Ms:0.3; Best double

couple: Ms2.18700x10^17 NP1: q=252.00000°, 867.00000°,
1.74.00000°. NP2: q=108.00000°, 828.00000°, 123.00000°.

Principal axes: T 2.1200, Plg65.0000°, Azm136.0000°;
N 0.1280, Plg14.0000°, Azm258.0000°; P -2.2540,

Plg20.0000°, Azm354.0000°; Mw5.5, Fault plane
solution: NP1: q=248.0000°, 886.0000°, 172.00000°.

NP2: q=107.0000°, 829.0000°, 125.00000°.
Triangular moment-rate function.

IDC 06:01:02:48.9, 1.1, 8.24S:116.05E, h42km, 9km, mb5.0/46,
mbmp5.3/48, ML4.9/3, MS4.7/51 Error ellipse:

s-maj=8.2km s-min=6.7km az=62.0
ISC 06:01:02:46.7, 0.4, 8.38S:0.03:116.04E:0.02, h24km, 2km,

n816, s199/857, mb5.6/242, MS4.9/114, 34C-11D,
Subarea region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, PWS, ISC, h, m, s, ISC. Rows include stations like SRBI Singaraja, SRBI Denpasar, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, PWS, ISC, h, m, s, ISC. Rows include stations like LEM comp=Z, 1.39um, 20.2s, baz=94, slow=41, etc.

2018 DEC

450

Table with columns: RQPI, Ransiki Papua, 19.30 70 P, Pn, 01 07 12.5 +1.1, etc.

Table with columns: COEN Coen, 27.18 104 P, P, 01 08 28.5 -0.2, etc.

Table with columns: GULI comp=Z,700nm,17.3s, LR, LR, 01 09 30.4 +0.8, etc.

451

Table with columns for station call letters, frequency, name, and various data points. Includes stations like SHL, SHH, SHL, SHL, SHL, etc.

2018 DEC

Table with columns for station call letters, frequency, name, and various data points. Includes stations like DL2, DL2, DL2, DL2, DL2, etc.

6d 1h

Table with columns for station call letters, frequency, name, and various data points. Includes stations like JTM, MDJ, MDJ, MDJ, MDJ, etc.

6d 1h

Table of satellite data for the '6d 1h' section, including columns for satellite name (e.g., BKZ, BKZ, ZSN), frequency (e.g., 161.94 130), polarization (e.g., P), and various status indicators.

2018 DEC

Table of satellite data for the '2018 DEC' section, including columns for satellite name (e.g., ASHO, ASHO, ASHO), frequency (e.g., 67.03 301), polarization (e.g., i/P), and various status indicators.

452

Table of satellite data for the '452' section, including columns for satellite name (e.g., RAYN, SEY, SEY), frequency (e.g., 76.36 16), polarization (e.g., P), and various status indicators.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Fiskardo, Artemida-Makis, Drossia, Lefkada island, etc.

IDC 06 01:38:51.3.3.0.21:95S:169:67E, h0km, mb3.7/4, mbmp3.7/5, ML3.5/1, MS3.6/4, Error ellipse: s-maj=153.8km s-min=25.6km az=159.0

ISC 06 01:38:55.0.2.4.21:95S:0:7:169:6E, h2, h25km, n10, o=57.8, mb3.8/4, MS3.6/4, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Mont Dzumac, Warramunga Arr, NWA0, etc.

IDC 06 01:46:48.5.2.3.0:22N:57:41E, h0km, mb3.7/7, mbmp3.7/7, Error ellipse: s-maj=65.2km s-min=21.5km az=156.0

TEH 06 01:46:49.0.30:36N:57:47E, h0km, 32km, ML2.2

OMAN 06 01:46:51.6.0.1.30:44N:57:17E, h10km, mb4.5/24, mb3.7/5, Error ellipse: s-maj=1.7km s-min=1.4km az=251.0

DSN 06 01:46:52.0.9.0.30:41N:57:23E, h15km, ML3.5/11, Error ellipse: s-maj=20.6km s-min=7.8km az=95.0

ISC 06 01:46:49.8.1.6.30:40N:0:04:57.41E, h1km, n11km, n91, c159/111, mb3.7/7, Northern and central Iran

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Kerman Provinc, Chehm nadani, TVBK, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IMYA, ALNE, IFIR, IKRD, etc.

IDC 06 01:50:31.7.2.9.22:43S:169:18E, h0km, mb3.8/2, mbmp3.8/3, ML3.6/1, Error ellipse: s-maj=124.4km s-min=37.4km az=163.0, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Mont Dzumac, ASAR, WRA, EKA, GERES, etc.

THE 06 01:52:46.2.37:45N:20:63E, h11km, km, ML2.6/6, Error ellipse: s-maj=6.4km s-min=1.4km az=48.0

ATH 06 01:52:46.3.37:46N:20:70E, h15km, 3km, ML2.4/7, Manual Solution by S.Kourtrakis First location: 2018/12/06 01:54:04, This location: 2019/02/22 08:52:40 ML

Amplitudes are expressed in micrometers. All distances are expressed in degrees Latitude uncertainty: 4 km; Longitude uncertainty: 5 km

ISC 06 01:52:46.2.1.7.37:45N:0:06:20:68E, h0.06, h15km, 8km, n20, c08/41/33, Ionian Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KR11, LTHK, LTHK, etc.

IDC 06 01:54:02.2.3.8.22:18S:169:68E, h0km, mb3.4/2, mbmp3.4/3, ML2.8/1, Error ellipse: s-maj=181.2km s-min=38.2km az=160.0, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DZM, ASAR, WRA, EKA, GERES, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like n23, c259/36, Ionian Sea, KYPS, etc.

JAP 06 02:10:29.8.24:48N:122:55E, h76km, ML3.0, C

JMA 06 02:10:30.2.0.2.24:48N:122:55E, h0.3, h69km, 2km, MV2.1/10, NW OFF ISHIGAKIJIMA IS

ISC 06 02:10:29.4.1.5.24:43N:0:04:122:55E, h0.03, h79km, 8km, n60, c0878/103, 1C, Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like E053, YJNG, E054, etc.

6d 2h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include CHKT, WHYI, ALS, ALH, etc.

NEIC 06 02:19:41.6-1.1, 61.333N, 0.009-149.94W, 0.05, h49km, 7km, Error ellipse: s-maj=3.6km s-min=0.8km az=71.0

AEIC 06 02:19:42.3-1.1, 61.311N, 0.03-149.96W, 0.04, h41km, 7km, ML3.3, ML3.5/126(NEIC), Error ellipse: s-maj=3.9km s-min=0.8km az=163.0

ISC 06 02:19:41.6-1.0, 61.333N, 0.02-149.96W, 0.02, h44km, 7km, n180, 0.69/188, Southern Alaska

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include RC01, RC01, RC01, etc.

2018 DEC

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include O20K, P23K, P23K, etc.

456

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include I23K, I23K, I23K, etc.

IDC 06 02:23:26.4-2.8, 6.38S, 131.59E, h0km, mb3.8/1, mbtmp3.5/4, ML3.4/3, Error ellipse: s-maj=107.6km s-min=31.2km az=80.0

NEIC 06 02:23:31.5-1.0, 6.22S, 0.08-131.4E, 0.2, h39km, 6km, mb4.4/8, Error ellipse: s-maj=22.0km s-min=10.9km az=104.0

ISC 06 02:23:30.8-0.8, 6.42S, 0.07-131.6E, 0.1, h42km, n18, 0.24/19, mb4.4/4, Tamirbas region

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include FAKI, FAKI, FAKI, etc.

IDC 06 02:33:13.1-1.0, 7.06S, 129.84E, h109km, 113km, mb3.1/1, mbtmp3.8/5, ML4.0/4, Error ellipse: s-maj=116.5km s-min=33.5km az=45.0, Banda Sea

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include BATI, BATI, BATI, etc.

LDG 06 02:42:45.9-0.1, 42.85N, 0.88W, h2km, M12.8/23, Error ellipse: s-maj=2.0km s-min=1.8km az=151.0

STR 06 02:42:46.3±0.4, 43°N,3°E, h2km, MLV2.7/15, Error ellipse: s-maj=0.0km s-min=0.0km az=23.4, preliminary

MDD 06 02:42:47.1±0.2, 42.83°N,0.90°W, h12km, mb_Lg2.7/5.2, Error ellipse: s-maj=1.6km s-min=1.1km az=1.0

ISC 06 02:42:45.3±0.9, 42.85°N,0.02°W,0.90°W,0.01, h17km,6km, n96, c157/175, Pyrenees

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time (h m s), Res (h m s), ISC. Lists seismic stations and their associated data points.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time (h m s), Res (h m s), ISC. Lists seismic stations including Braganca, La Plantade, Bois d'Angas, Granatula de C, etc.

SNET 06 03:01:15.7±0.4, 13.74°N,89.31°W, h2km,3km, MD2.4

CATAC 06 03:01:16.4±0.4, 13.71°N,89.30°W, h5km,1km, ML2.6

ISC 06 03:01:15.1±1.0, 13.73°N,0.04°W,89.31°W,0.03, h11km,4km, n21, c0972/38, 4C-1D, El Salvador

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time (h m s), Res (h m s), ISC. Lists seismic stations including Piamonte, Boqueron, Escuela Especi, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time (h m s), Res (h m s), ISC. Lists seismic stations including Saui, Saumlaki, AAI, Ambon, etc.

NNC 06 03:16:44.8±7.6, 37.27°N,71.21°E, h0km, mb3.9, mpv3.7, 3C-1D, Error ellipse: s-maj=85.1km s-min=57.2km

az=58.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time (h m s), Res (h m s), ISC. Lists seismic stations including Karatay Array, Tokmak 2, etc.

IDC 06 03:17:11.9±2.3, 2°51'N, 128°31'E, h132km,20km, mb4.0/1.4, mbmp4.4/1.4, Error ellipse: s-maj=29.3km s-min=10.5km

az=72.0

NEIC 06 03:17:13.3±1.2, 2°49'N,0.08°E,128°27'E,0.09, h136km,7km, mb4.6/4.6, Error ellipse: s-maj=13.7km s-min=11.7km

az=78.0

DJA 06 03:17:14.5±0.5, 2°N,4°E, h116km,5km, M4.6/12, mb4.8/9, mb5.0, MLV4.7/12, Mw(m)B4.4/6

ISC 06 03:17:14.1±0.4, 2.47°N,0.05°E,128.22°E,0.07, h150km, n104, c1506/106, mb4.5/46, 1D, Halmahera

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time (h m s), Res (h m s), ISC. Lists seismic stations including Ternate, Sangihe, Sorong, etc.

IDC 06 03:04:05.7±8.0, 6°09'S, 129.28°E, h159km,84km, mb3.3/4, mbmp4.0/8, Error ellipse: s-maj=67.7km s-min=26.0km

az=41.0

NEIC 06 03:04:10.7±0.9, 6°33'S,0.09°E,129°E,0.1, h178km,13km, mb4.9/13, Error ellipse: s-maj=16.0km s-min=12.4km

az=120.0

DJA 06 03:04:16.9±0.4, 6°S,3°13'E, h225km,8km, M4.2/12, mb4.1/7, mb4.6/2, MLV4.3/12, Mw(m)B3.8/2

ISC 06 03:04:09.7±0.7, 6°39'S,0.05°E,129°25'E,0.06, h200km, n40, c238/45, mb4.5/10, Banda Sea

az=41.0

6d 3h

Table of seismic events with columns for station name, time, magnitude, and location. Includes stations like WB2, WR0, MBWA, PSA00, ASAR, BKNJ, GYA, PHRA, CMAR, FORT, MORW, INU, TJN, JGF, PZH, LYN, MJAR, BBOO, XAN, STKA, NWAO, JMM, ARMA, H11S3, H11S2, H11S1, HHC, H11N1, H11N2, H11N3, USRK, SHL, MDJ, MDJ, GTA, ULN, SONM, PETK, MK31, MKAR, MKAR, MKAR, WKZ, MAKZ, LBZ, KSH, ZALV, KBL, KURBB, KURK, GAR, KXAR, TIKI, BVAR, BRVK, ABKAR, RAYN, JZ0K, B20K, M20K, M20K.

2018 DEC

Table of seismic events with columns for station name, time, magnitude, and location. Includes stations like BWN, GURO, ARCES, FINES, EKA, TXAR, TORD, IDC, NEIC, ISC, Code, YATNC, YATNC, OUCEN, OUCEN, DZM, ONTNC, ONTNC, ONTNC, NOUC, NOUC, ARMA, AFI, AFI, NIUE, BBOO, BBOO, WRA, WRA, ASAR, ASAR, KNRA, KNRA, FITZ, FITZ, ACHA, ACHA, N15K, KMRM, NVAR, IDC, IDC, ISC, Code, DZM, DZM, WRA, WRA, ASAR, ASAR, ARCES, ARCES, EKA, EKA, GERES, GERES, NEIC, NEIC, ISC, Code, DZM, DZM, DZM, ONTNC, RAO, PMG, PMG, TOO, STKA, STKA, WBO, WBO, WRA, WRA, FITZ, FITZ, GIRL, GIRL, QSPA, ARCES, EKA, ZVC, CKRC, KHC, GERES.

458

Table of seismic events with columns for station name, time, magnitude, and location. Includes stations like FUORN, IDC, Code, PMG, PMG, WRA, WRA, ASAR, ASAR, FITZ, FITZ, TORD, TORD, IDC, IDC, Code, MSVF, MSVF, MSVF, FUTU, DZM, DZM, RAO, HNR, TOZ, TOZ, RAR, URZ, PPT2, PPT2, PPT2, PPT, PPT, TBI, TBI, TBI, STKA, STKA, TAOE, GUMO, DAV, VONDA, VONDA, JOW, MJAR, ASAJ, KSRK, USRK, QSPA, QSPA, GSPA, GSPA, NJ2, NJ2, KLR, KLR, CMB, YBH, PFO, HATC, PNTR, YERR, DSP, LHV, LHV, LPIG, GRAC, NVAR, NVAR, NVAR, NVAR, NVAR, GZN, WCT, J05D, J05D, TPH, PINE, PINE.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like Terrebonne, OR, Battle Mountain, Wild Horse Valley, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like Pinar, Pinedale Array, ELIB, ELIB, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like PUAH, PUAH, KKO, Keanakako'i, etc.

6d 4h

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like NVAR Mina Array Bea, ARCES ARCES Array B, EKA Eskdalemuir Ar, GERES GERES Array B.

IDC 06 03:56:44.4, 2.0, 2.69N, 148.14E, h0km, mb3.9/9, mbmp3.9/9, MS3.7/2, Error ellipse: s-maj=77.2km

NEIC 06 03:56:47.4, 1.1, 2.0, 7N.0, 148.16E, 0.08, h15km, 5km, mb4.6/12, Error ellipse: s-maj=21.3km s-min=9.8km

ISC 06 03:56:45.9, 0.2, 2.148, 2E.0, 1.1, h10km, n36, 0.849/27, mb4.3/15, Mariana Islands region

Main table for 6d 4h section, listing station codes (e.g., JMZ, H11S3, H11S1) and their respective data points.

NEIC 06 03:59:07.4, 0.4, 1.8, 7N.0, 2.64, 64W.0, 0.05, h35km, 2km, ML2.3/22, MD3.4/5(RSPR), Error ellipse: s-maj=26.8km

RSPR 06 03:59:08.3, 1.8, 7N.0, 2.64, 64W.0, 0.05, h35km, 11km, MD3.4/5

SDD 06 03:59:12.8, 1.2, 1.7, 43N.6, 17W, h174km, 25km, MD3.6, ML2.1, MW2.6

ISC 06 03:59:05.0, 2.3, 1.8, 9N.0, 2.64, 60W.0, 0.05, h42km, n36, 0.183/40, 14C, Virgin Islands

Main table for 6d 4h section, listing station codes (e.g., HUMP, H11S3, H11S1) and their respective data points.

2018 DEC

Table with columns: AOPR, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like AOPR Arecibo Observ, LSP Las Mesas, LSP Las Mesas, MLPR Maqueyes Islan.

NOU 06 04:02:25.0, 2.1, 81S.1, 169.14E, h0km, MLV4.9/9, Southeast of Loyalty Islands

IDC 06 04:02:27.4, 0.6, 2.1, 71S.1, 169.03E, h0km, mb4.6/14, mbmp4.6/15, ML4.1/1, MS4.2/13, Error ellipse: s-maj=20.0km s-min=17.1km az=151.0

BUI 06 04:02:26.0, 2.1, 43S.1, 169.40E, h15km, mb4.7/22, mb5.3/4, MS5.3/2, MS7.5/0/3

MOS 06 04:02:26.1, 1.3, 2.1, 68S.1, 168.89E, h10km, mb5.2/17, Error ellipse: s-maj=12.9km s-min=10.9km az=177.2

NEIC 06 04:02:27.4, 1.1, 2.1, 21S.0, 1.1, 169.0E, 0.1, h10km, 1km, mb5.0/57, Error ellipse: s-maj=21.6km s-min=17.2km

ISC 06 04:02:27.8, 0.4, 2.1, 73S.0, 169.98E, 0.05, h10km, n22S, 0.156/214, mb5.0/58, MS4.2/12, 15C-9D, Loyalty Islands

Main table for 2018 DEC section, listing station codes (e.g., MARNC, YATNC, OUCNC, DZM, DZM, DZM) and their respective data points.

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Main table for 460 section, listing station codes (e.g., MDJ, CN2, BNX, KLR, CMAR, HIA, ZEA, ELIB, LZH, LZH, TROLL, SNA, SNA, SNA, VNA3, VNA2, VNA1, O2D, GTA, ULN, ULN, SONM, YAK, YAK, BILL, BILL, PFO, PFO, WAKR, WAKR, PNTR, PNTR, DSP, DSP, LHV, LHV, PAHR, PAHR, RYN, RYN, NVAR, NVAR, NVAR, GRAC, NV11, GWY, GWY, GMM, SLBS, MZP, MZP, H04A, H04A, WCT, WCT, PINE, TPNV, TPNV, TPNV, V12A, V12A, SHPR, SHPR, ZAK, ZAK, WVOR, WVOR, WVOR, W13A, W13A, I07A, I07A, PRN, R11B, Y14A, ILAR, J08A, J08A, G08A, G08A, TUC, TUC, TUC, TUC, LCMT, SPR3, SPR3, CCUT, X16A, X16A, U15A, U15A, WUAZ, WUAZ, MTPU, MTPU, G30M, TXAR) and their respective data points.

Table with columns: Station Name, Frequency, Mode, and other parameters. Includes stations like PDAR Pinedale Array, WMQ YKA Yellowknife Ar, ARTI Arti, BELG Belogomoye, etc.

Table with columns: Station Name, Frequency, Mode, and other parameters. Includes stations like CIMO Cimolais, FETA Feichten, FETA Feichten, DAVA Damuels, etc.

BUI 06:04:09:37.4, 17:85S:177:84W, h575km, mb5.1/46, mB5.2/15
GCMT 06:04:09:38.1±0.5, 18:16S:0:06:178:29W:0.04, h558km,3km,MW5.4/57,Moment Tensor Solution...

ISC 06:04:09:37.7-0.3, 18:23S:0:05:178:12W:0.04, h568km,4km,h569km;P-P,N949,±0.97/814,mb4.9/265, 58C-55D,Fiji Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, and other parameters. Lists various stations and their coordinates.

Table with columns: Station Name, Frequency, Mode, and other parameters. Includes stations like QLP Quilpie, TOO Toolangi, AUMAG Moama Anglican, etc.

6d 4h

2018 DEC

Main data table with columns for station ID, name, frequency, power, and various status indicators. The table is organized into multiple columns for readability.

Table with 4 columns: Code, Name, Date/Time, and Status. Includes entries like GCSA Galena City Sc, JIS Juneau Island, LLLB Lillooet, etc.

Table with 4 columns: ILAR, Name, Date/Time, and Status. Includes entries like ILAR comp=Z,3.8nm,1.0s, F19K Shalerruck Mo, H22K Ishatitna Cre, etc.

Table with 4 columns: TOAD, Name, Date/Time, and Status. Includes entries like TOAD Toad River Com, YNE Yellowstone No, LIRD Liard River Hi, etc.

6d 4h

2018 DEC

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Table with columns: A21K, A21K Barrow, A21K Neumayer-Watz, etc. Includes details like RA, Dec, mag, and other astronomical data.

Table with columns: ONER, ARCH, TLRB, CLL, etc. Includes details like RA, Dec, mag, and other astronomical data.

Table with columns: BOVS, KBA, UBR, TEKS, WATA, OBKA, etc. Includes details like RA, Dec, mag, and other astronomical data.

ICD 06.04:17.22.50.0.5, 14.795:75.73W, h0km, mb4.5/16, mbmp4.5/19, ML3.3/3, MS4.3/40, Error ellipse: s-maj=22.7km s-min=12.6km az=63.0

MOS 06.04:17.22.8.1.2, 14.835:75.88W, h10km, mb4.9/14, Error ellipse: s-maj=15.1km s-min=7.1km az=110.8

NEIC 06.04:17.24.5.1.7, 14.905:0.06:75.82W.0.10, h10km, 1km, Mb5.0/273, Error ellipse: s-maj=17.1km s-min=8.3km

GCMT 06.04:17.29.0.0.4, 15.035:0.07:76.10W.0.03, h35km, 1km, MW5.0/68, Moment Tensor Solution, s34.c39; s68.c34; Duration: 0 Moment tensor: Scale 10^19N; Mr3.28t.28; Mw0.32t.15; Mw0.3-60t.16; Mw0.88t.14; Mw1.58t.08; Mw0.25t.15; Best double couple: Mw4.57200x10^16

IAU 06.04:17.30.0.1.0, 14.825:75.44W, h37km, 7km, mb4.8 VAO 06.04:17.26.50.0.3, 14.885:0.05:75.73W.0.07, h28km, n492, s1502/344, mb5.0/152, MS4.3/39, 5C-1D, Near coast of Peru

Table with columns: Code, Station Name, Az, AZZ, Phase ID, H, Time, Res, etc. Includes details like NNA, NNA, NNA, etc.

Table of station data for 465, including call signs, names, frequencies, and other technical details.

Table of station data for 2018 DEC, including call signs, names, frequencies, and other technical details.

Table of station data for 6d 4h, including call signs, names, frequencies, and other technical details.

6d 4h

Table with columns: Station, Elevation (eS), Slope (S), Azimuth, and other data points for various stations.

2018 DEC

Table listing station details such as name (e.g., Talbot Arm, Summit), elevation (90.65 335), and other technical specifications.

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Table listing station details for a larger set of stations, including names like Franklin Bluff, Anaktuvuk Pass, and various 'WAKE ISLAND' stations.

ICD 06:04:24.41.±0.9,28°19'N:142°47'E, h0km, mb4.1/14, mbtmP4.0/16, ML3.6/2, Error ellipse: s-maj=30.4km s-min=13.3km az=85.0

ISC 06:04:24.48.±0.8,28.18°N:107°14'24.4E:0.2, h25km, m17, s=1502/18, mb4.2/14, Bonin Islands region

Table with columns: Code, Station Name, Azimuth (A°), Phase ID, Time, Res, h, and Res ISC, listing various station codes and their associated data.

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like BVAR Borovoye Array, YKA Yellowknife Arr, ARCES ARCESS Array B, etc.

IDC 06 04:32:01.9 1.5, 2.81N; 127.21E, h0km, mb4.0/6, mbtmp3.6/5, Error ellipse: s-maj=101.6km s-min=19.5km az=69.0

NEIC 06 04:44:43.0 1.7, 21.84S; 0.10x:179.0W; 0.2, h541km, 8km, mb4.3/23, Error ellipse: s-maj=25.9km s-min=13.9km az=86.0

ISC 06 04:44:43.0 2.0, 7.21S; 0.1x:179.0W; 0.1, h550km, n38, e093/36, mb4.0/20, Fiji Islands region

ISC 06 04:32:05.8 0.8, 3.12N; 0.09x:127.2E; 0.1, h44km, n28, e186/24, mb4.1/12, MS4.1/3, Talaud Islands

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like TNTI Ternate, WBO Warramunga Arr, ASAR Alice Springs, etc.

IDC 06 04:35:14.1 2.0, 17.11S; 177.95W, h0km, mb3.8/5, mbtmp3.8/5, Error ellipse: s-maj=127.5km s-min=24.4km az=152.0, Fiji Islands region

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, NVAR Mina Array Bea, etc.

IDC 06 04:43:38.0 5.1, 22.11S; 169.78E, h0km, mb3.9/3, mbtmp3.9/4, ML3.5/1, Error ellipse: s-maj=109.8km s-min=61.2km az=18.0

NEIC 06 04:43:38.8 1.9, 22.3S; 0.2x:169.84E; 0.08, h10km, 1km, mb4.4/9, Error ellipse: s-maj=28.3km s-min=9.7km az=163.0

ISC 06 04:43:38.4 1.0, 22.3S; 0.2x:169.87E; 0.10, h10km, n18, e090/19, mb4.3/10, 4C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like ONTNC Ouen Toro, DZM Mont Dzumac, KOUNC Koumace, etc.

Table with columns: SNA, SNAE, VNA3, VNA2, and technical details. Includes stations like SNAE, Neumayer Olym, Neumayer-Watz, etc.

IDC 06 04:44:43.1 2.2, 21.76S; 178.99W, h551km, 23km, mb3.3/7, mbtmp4.2/8, Error ellipse: s-maj=28.1km s-min=21.1km az=143.0

NEIC 06 04:44:43.0 1.7, 21.84S; 0.10x:179.0W; 0.2, h541km, 8km, mb4.3/23, Error ellipse: s-maj=25.9km s-min=13.9km az=86.0

ISC 06 04:44:43.0 2.0, 7.21S; 0.1x:179.0W; 0.1, h550km, n38, e093/36, mb4.0/20, Fiji Islands region

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like MSVFN Nonsavu, TOZ Tahuroa Road, RTZ Rutatuhona, etc.

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like APOQ2 Managua, AERN Aeropuerto Man, WILN Americas 2, etc.

Table with columns: Code, Station Name, Az, El, P, S, R, Res. Includes stations like BELA, CMAR, TROLL, SNA, etc.

MOS 06:05:09.7, 1.2, 41.14N:75.06E, h10km, mb4.3/7, Error ellipse: s-maj=7.2km s-min=4.6km az=85.3

Table with columns: Code, Station Name, Az, El, P, S, R, Res. Includes stations like ARLS, SALK, ULHL, etc.

Main table with columns: Code, Station Name, Az, El, P, S, R, Res. Includes stations like TKM2, CHMS, KSH, etc.

Main table with columns: Code, Station Name, Az, El, P, S, R, Res. Includes stations like CHKK, SATY, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like Belgohorn, Songino Array, Kiv, Obninsk, Minsk, etc.

ISC 06 05:16:53.8-0.5, 34.22N-45.61E, h14km, 18km, ML3.5
TEH 06 05:16:54.7-0.9, 34.19N-45.61E, h10km, 69km, ML2.9

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like GGI, IGHG, IDHR, IBDR, etc.

UCR 06 05:23:28.0-0.8, 9.63N-85.88W, h1km, 6km, MW3.9
CATAC 06 05:23:30.2-0.7, 9.61N-85.79W, h12km, 3km, ML3.7

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like INDI, NICO, NYURE, SACU, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like COVE, LCR2, CORON, etc.

IDC 06 05:24:08.0-0.6, 30.76S-71.42W, h0km, mb4.5/11,
mbtmp4.4/15, ML4.1/4, MS3.5/7, Error ellipse:
s-maj=21.5km s-min=15.9km az=84.0

SJA 06 05:24:08.0-0.7, 30.66S-71.35W, h16km, 3km, ML4.3,
MW4.3

NEIC 06 05:24:14.3-1.7, 30.73S-0.03-71.42W-0.04, h32km, 4km,
mb4.8/22, Error ellipse: s-maj=5.0km s-min=4.0km
az=117.0

GUC 06 05:24:14.0-0.7, 30.72S-71.41W, h50km, 2km, ML4.6
VAO 06 05:24:15.1-1.8, 30.82S-71.38W, h60km, 10km, mb4.5

ISC 06 05:24:13.5-0.6, 30.77S-0.02-71.39W-0.03, h34km, 1km,
n212, s1882/241, mb4.7/40, MS3.5/5, 4C-7D, Near coast of
central Chile

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like CO06, CO03, CO04, etc.

DOC A Reserva Natura
ACCV Cerro Coronel
ACDV Cuesta del Vie

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like VA03, AC05, PEL, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like MT05, MT14, MT03, etc.

IDC 06 05:24:08.0-0.6, 30.76S-71.42W, h0km, mb4.5/11,
mbtmp4.4/15, ML4.1/4, MS3.5/7, Error ellipse:
s-maj=21.5km s-min=15.9km az=84.0

SJA 06 05:24:08.0-0.7, 30.66S-71.35W, h16km, 3km, ML4.3,
MW4.3

NEIC 06 05:24:14.3-1.7, 30.73S-0.03-71.42W-0.04, h32km, 4km,
mb4.8/22, Error ellipse: s-maj=5.0km s-min=4.0km
az=117.0

GUC 06 05:24:14.0-0.7, 30.72S-71.41W, h50km, 2km, ML4.6
VAO 06 05:24:15.1-1.8, 30.82S-71.38W, h60km, 10km, mb4.5

ISC 06 05:24:13.5-0.6, 30.77S-0.02-71.39W-0.03, h34km, 1km,
n212, s1882/241, mb4.7/40, MS3.5/5, 4C-7D, Near coast of
central Chile

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like MT12, MT01, MT01, etc.

DOC A Reserva Natura
ACCV Cerro Coronel
ACDV Cuesta del Vie

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like LL04, IT0B, CPUP, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like ATAH Atahualpa, BDFB Brasilia, and various other locations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like BVAR Borovoye Array, KURB Kurchatov Arra, and various other locations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like PB15 IPOC Station P, PB15 IPOC Station P, and various other locations.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DMPH, KCP, KCP, Bislig, CTBH, Cotabato-PC H, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PRSN, Puerto Rico Se, PRSN, Puerto Rico Se, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PAPH, Port-au-Prince, PAPH, Port-au-Prince, etc.

IDD 06 05:51:40.9±2.0, 19.38N-69.01W, h0km, mb3.4/3, mbtmp3.5/4, ML4.1/1, Error ellipse: s-maj=94.1km s-min=28.4km az=27.0

NEIC 06 05:51:49.1±1.3, 18.53N-09.68W, h128km, 7km, mb3.8/3, ML4.0/34, Error ellipse: s-maj=13.1km s-min=9.2km az=207.0

RSRPR 06 05:51:49.5, 18.54N-68.89W, h127km, 3km, MD3.8/20 SDD 06 05:51:50.5±2.7, 18.37N-68.89W, h128km, 12km, MD4.0, ML4.1, MW4.1

OSPL 06 05:51:50.6±3.2, 18.47N-68.86W, h130km, 17km, ML3.7 ISC 06 05:51:49.3±0.7, 18.49N-05.68W, h128km, 5km, n131, e1941/157, mb3.5/5, 16C-3D, Mona Passage

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HIDR, Higuay Centro, SADR, Isla Saona, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like OBIP, Obispado Ponce, OBIP, Obispado Ponce, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CRY, Cary Ranch, BZNA, Bury No.'s Pla, etc.

NEIC 06 06:00:50.9±1.0, 33.486N-0.007-116.799W, 0.009, h7km, 1km, Error ellipse: s-maj=1.0km s-min=0.9km az=147.0

PAS 06 06:00:51.0±0.9, 303.68W-0.006-116.804W, 0.007, h2km, 2km, ML3.0/206, ML3.0/42(NEIC), Error ellipse: s-maj=1.0km s-min=0.9km az=225.0, Southern California

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CRY, Cary Ranch, BZNA, Bury No.'s Pla, etc.

6d 6h

Table with columns for station name, coordinates, and status. Includes stations like TOLI2, JAGI, WNDV, SBA, KSM, MAJ, UNV, YHN, YHNB, JNU, JSD, QSPA, BKNI, ASAJ, TJN, KSAR, QIZ, XAN, HEH, CHNA, PZH, PZH, PZH, PZH, PZH, PZH, SMAI, CD2, CD2, CD2, CD2, HHC, HHC, MA2, BTO, BTO, BTO, HIA, HIA, HIA, ZEA, ZEA, ELIB, R16K, SII, R17L, LZH, LZH, LZH, LZH, LZH, MA11K.

2018 DEC

Table with columns for station name, coordinates, and status. Includes stations like MAW, MAW, CN2, CN2, CN2, SLVN, NIKH, BSI, BNX, ENH, ENH, ERH, ERH, ERH, ERH, HNS, HNS, HNS, HNS, KLR, KLR, KLR, UNV, PHRA, BJT, BJT, BJT, BJT, BJT, BJJ, BJJ, BJJ, CMAR, CMAR, CMAR, CMAR, BELA, KMI, KMI, CHTO, CHTO, CHTO, XAN, XAN, XAN, XAN, XAN, HEH, HEH, CHNA, PZH, PZH, PZH, PZH, PZH, PZH, SMAI, XLT, XLT, CD2, CD2, CD2, CD2, HHC, HHC, HHC, MA2, BTO, BTO, BTO, HIA, HIA, HIA, ZEA, ZEA, ELIB, R16K, SII, R17L, LZH, LZH, LZH, LZH, LZH, MA11K.

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Table with columns for station name, coordinates, and status. Includes stations like PMSA, O15K, R18K, OHAK, N14K, Q17K, M13K, P16K, Q16K, O16K, N15K, Q18K, KDAK, KDAK, P17K, M14K, M14K, M14K, M15K, O17K, TROLL, L14K, L14K, L14K, P18K, N16K, K13K, Q20K, NVL, NVL, NVL, O18K, M16K, M16K, L15K, N17K, SNA, SNA, SNA, SNA, SNA, SNA, P19K, N18K, O19K, J14K, K15K, VNA3, M17K, VNA2, N19K, SAO, L17K, BRSE, M18K, VNA1, CIT, CIT, CIT, CIT, L18K, J16K, K17K, SEW, M19K, L19K, L19K, J17K, PASC, GTA, GTA, GTA, ULN, ULN, ULN, L02F, P23K, ORV, CMB, G15K, AFDM, RC01, ELS, K02D, J18K, J18K, SONM, SONM, SONM, SONM.

6d 6h

2018 DEC

Table with columns: Station ID, Name, Frequency, Power, Direction, and other parameters. Includes stations like 121A Cookes Peak, TMUT Trail Mountain, C24K Franklin Bluff, etc.

Table with columns: Station ID, Name, Frequency, Power, Direction, and other parameters. Includes stations like KLMR Klimovskoe, KMBO Kilima Mbogo, BDFB Brasilia, etc.

Table with columns: Station ID, Name, Frequency, Power, Direction, and other parameters. Includes stations like SRO Srobarova, SMOL Smolenice, PVCC Panska Ves, etc.

Table of astronomical observations including columns for Code, Station Name, AZ, Phase ID, Time, Res, and various object names like DAVA, DAVOX, MATE, etc.

Table of astronomical observations including columns for Code, Station Name, AZ, Phase ID, Time, Res, and various object names like NEIC, GCMT, YATNC, etc.

Table of astronomical observations including columns for Code, Station Name, AZ, Phase ID, Time, Res, and various object names like CASY, GSPA, NJ2, etc.

IDC 06:15:02.5-15.0, 34.12N-45.45E, h0km, mb3.9/7, m-min=34.8km az=9.0

TEH 06:15:05.5-15.0, 34.32N-45.61E, h9km, ML3.6, ISN 06:15:05.8-0.5, 34.32N-45.62E, h14km, 21km, ML3.6

ISC 06:15:06.1-1.1, 34.33N-0.003-45.61E, 0.04, h9km, 9km, n44, i1925/41, mb3.9/6, Iran-Iraq border region

NEIC 06:18:35.5-1.3, 21.72S-0.08-168.73E, 0.05, h10km, 1km, mb4.8/42, Error ellipse: s-maj=14.5km s-min=6.5km az=202.0

GCMT 06:18:38.5-0.2, 21.61S-0.02-168.71E, 0.02, h12km, MW5.0/104, Moment Tensor, s30, c32; s104, c42z; Duration: 0. Moment tensor. Scale 10^16Nm; M0=-4.12e10; M1=0.83e12; M2=0.59e10; M3=0.25e10; M4=1.58e07; M5=0.38e47; Most double couple: M4, 24500/1016 NP1, 136.00000, 851.00000, 7.97.00000, NP2, 327.00000, 839.00000, 7.81.00000, Principal axes: T 3.9280, Plg6.0000, Azm231.0000, N 0.6340, Plg5.0000, Azm140.0000; P 4.5620, Plg82.0000; Azm8.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 06:18:36.6-0.4, 21.63S-0.05-168.74E, 0.05, h20km, n143, o596/129, mb4.8/43, MS4.4/14, 5C-7D, Loyalty Islands

CASY comp=Z,5.8nm,0.8s Iamb Iamb 06 28 26.3

GSPA South Pole Qius 68.43 180 P P 06 29 36.4 -0.6

NJ2 Nanjing 71.61 317 eP P 06 29 59.0 +2.3

USRK Ussuriysk 73.65 333 P P 06 30 08.4 -0.2

MDJ Mudanjiang 75.00 332 P P 06 30 17.3 +0.8

PETK Petropavlovsk- 75.04 353 P P 06 30 16.8 +0.2

MAW Mawson 76.05 202 P P 06 30 22.5 +0.2

KLR Kul'dur 77.85 336 P P 06 30 33.3 +0.8

PHRA Phrae 78.00 295 P P 06 30 34.8 +0.7

CMAR Chiang Mai Arr 79.07 295 P P 06 30 39.9 -1.0

CMAR Chiang Mai Arr 79.07 295 P P 06 30 41.0 +1.0

KMI Kunming 79.14 303 P P 06 30 42.1 +1.5

PHRA Phrae 78.00 295 P P 06 30 34.8 +0.7

CMAR Chiang Mai Arr 79.07 295 P P 06 30 39.9 -1.0

CMAR Chiang Mai Arr 79.07 295 P P 06 30 41.0 +1.0

KMI Kunming 79.14 303 P P 06 30 42.1 +1.5

PHRA Phrae 78.00 295 P P 06 30 34.8 +0.7

CMAR Chiang Mai Arr 79.07 295 P P 06 30 39.9 -1.0

CMAR Chiang Mai Arr 79.07 295 P P 06 30 41.0 +1.0

KMI Kunming 79.14 303 P P 06 30 42.1 +1.5

PHRA Phrae 78.00 295 P P 06 30 34.8 +0.7

CMAR Chiang Mai Arr 79.07 295 P P 06 30 39.9 -1.0

CMAR Chiang Mai Arr 79.07 295 P P 06 30 41.0 +1.0

KMI Kunming 79.14 303 P P 06 30 42.1 +1.5

PHRA Phrae 78.00 295 P P 06 30 34.8 +0.7

CMAR Chiang Mai Arr 79.07 295 P P 06 30 39.9 -1.0

CMAR Chiang Mai Arr 79.07 295 P P 06 30 41.0 +1.0

KMI Kunming 79.14 303 P P 06 30 42.1 +1.5

BUJ 06:18:32.9-21.71S, 169.43E, h21km, mb4.8/18, mb5.6/6, Ms5.0/3, Ms7.4/8.2

IDC 06:18:33.0-0.6, 21.67S, 168.79E, h0km, mb4.5/15, mbmp4.5/16, ML4.5/1, MS4.3/7, Error ellipse: s-maj=19.7km s-min=16.4km az=129.0

NOU 06:18:33.5, 21.52S-168.74E, h0km, MLV.5/3/16, Loyalty Islands

LUWI Luwuk 49.21 288 P P 06 27 24.5 +0.5

KAPI Kappang 50.20 282 P P 06 27 32.1 +0.6

TAOE Nuku Hiva Isla 50.71 84 eLR LR 06 27 44.1 -0.8

WLF Waferdange 148.81 338 dPKP PKPbc 06 28 23.7 +1.1

DOU Doubes 148.96 340 dPKP PKPbc 06 28 23.1 +0.6

FETA Feichten 149.04 330 iPKP PKPbc 06 28 23.8 +0.3

0.7nm,0.4s,baz=54,slow=13,SNR=0.5
MKAR Makanchi Array 8.11 203 Pn Pn 07 32 02.4 +1.2

IDC 06 07 30 07.5:1.2,49:98N-78:79E,h0km,mbmp2.7/2,
ML1.5/1,Error ellipse: s-maj=15.7km s-min=7.1km
az=64.0

NNC 06 07 30 09.2:9.5,50:04N-78:71E,h0km,mb3.6,mpv2.9,
Error ellipse: s-maj=62.9km s-min=13.3km az=74.0,
Suspected Mining explosion.

ISC 06 07 30 03.8:1.0,50:24N-0:06:79:39E,0:07,h0km,n8,
r1533/11,3C-2D,Eastern Kazakhstan

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, ISC. Rows include SEM Semipalatinsk, SEM 15nm,0.3s, KURBB Kurchatov Arra, KURBB 0.4nm,0.3s, KURBB 1.1nm,0.3s, KURBB 10nm,0.6s, KURK Kurchatov, KURK 3.5nm,0.5s, MK31 Makanchi Array, MKAR Makanchi Array, MKAR 0.2nm,0.3s, MKAR 0.4nm,0.3s, H46RU ZALESOVO INFRA, ZALV Zalesovo Beam.

IDC 06 07 32:53.6:2.1,61:51N-150:33W,h49km,20km,mb3.8/16,
mbmp4.0/21,ML3.7/5,MS3.4/8,Error ellipse:
s-maj=20.8km s-min=13.1km az=44.0

AEIC 06 07 32:55.0:1.2,61:40N-0:03:150:07W,0:05,h36km,5km,
ML4.0,mb4.2/31(NEIC),ML4.2/190(NEIC),Error ellipse:
s-maj=4.7km s-min=3.8km az=182.0

NEIC 06 07 32:54.5:1.5,61:42N-0:03:150:09W,0:06,h42km,6km,
Error ellipse: s-maj=4.8km s-min=4.1km az=193.0

ISC 06 07 32:53.6:0.5,61:42N-0:04:150:12W,0:03,h42km,
n323,r1924/320,mb4.1/30,MS3.5/7,Southern Alaska

Main table for the left column containing station data for the ISC 06 07 32:53.6:0.5,61:42N-0:04:150:12W,0:03,h42km,n323,r1924/320,mb4.1/30,MS3.5/7,Southern Alaska event. Columns include Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, ISC.

Main table for the middle column containing station data for the 2018 DEC event. Columns include BRSE, PPLA, O20K, FID, FID, HOM, P23K, CNMP, M24K, IVE, KLU, KLU, TRF, TRF, TRF, ILSW, RND, RND, M19K, DHY, DHY, DHY, DIV, KTH, KTH, N19K, N19K, N19K, CAST, CAST, EYAK, EYAK, EYAK, P19K, P19K, L19K, MCK, MCK, O19K, O19K, O19K, HARP, HARP, N25K, N25K, N25K, SVW2, SVW2, PAX, PAX, K20K, K20K, BMRM, BMRM, BPAW, BPAW, Q23K, Q23K, Q23K, BWN, BWN, WACK, N18K, N18K, N18K, O18K, O18K, O18K, GLB, GLB, GYB, SYI, SYI, Q20K, Q19K, TTA, TTA, TTA, WRH, WRH, VRDI, VRDI, VRDI, L18K, L18K, NEA2, NEA2, P18K, P18K, BERG, BERG, J20K, J20K, HDA, HDA, HDA.

Main table for the right column containing station data for the 2018 DEC event. Columns include HDA, MENT, CCB, MCARA, MCARA, CRQM, M26K, M26K, M26K, M17K, L26K, L26K, N17K, N17K, N17K, TGL, COLA, COLA, COLA, J19K, J19K, MLY, MLY, IL31, ILAR, ILAR, ILAR, J18K, Q18K, I23K, I23K, I23K, SCRK, SCRK, SCRK, SCRK, KDAK, KDAK, KDAK, KDAK, J25K, J25K, I21K, POKR, POKR, POKR, I20K, M27K, M27K, K17K, K17K, K17K, GRNC, GRNC, GRNC, L27K, BCAR, CTG, CTG, CTG, M16K, M16K, J26L, J26L, J26L, O16K, O16K, O16K, H21K, H23K, LOGN, LOGN, LOGN, L16K, L16K, L16K, OHAK, OHAK, OHAK, K27K, K27K, K27K, GCSA, H24K, P16K, PRP, PRP, PRP, J17K, J17K, J17K, YUK3, IMAR.

6d 9h

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like ARSB Arslanbob, TGS TashGRES, KUMR Kumaryk, IUG Iuzhnyay, etc.

DJA 06 08:56:16.3±0.5, 3.4±1.1°E, h10km, M3.8/7, MLv3.8/7, Sulawesi

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like TTSI Tana Toraja, SPSI Sidrap Palu, etc.

ISC 06 09:14:21.7±1.6, 2.1±0.5, 3.6±1.69E.0±1.1, h25km, m10, 0.81717, m3.6/3, M3.5/6, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, STKA Charters Tower, etc.

ISC 06 09:14:21.7±1.6, 2.1±0.5, 3.6±1.69E.0±1.1, h25km, m10, 0.81717, m3.6/3, M3.5/6, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, VRA Warramunga Arr, etc.

ISC 06 09:26:57.6±1.0, 12.94N, 0.05±123.91E, 0.06, h57km, m11km, n5.3, c232/49, mb4.1/14, MS3.4/11, 9C-7D, Luzon

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like MMHP Masbate, GQP Guinayangan, RCP Roxas, etc.

ISC 06 09:26:57.6±1.0, 12.94N, 0.05±123.91E, 0.06, h57km, m11km, n5.3, c232/49, mb4.1/14, MS3.4/11, 9C-7D, Luzon

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like KAPI Kappang, GUMG Guam, SLVN Son La, etc.

2018 DEC

Main table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like CMAR Chiang Mai Arr, KRSR Korea Array, MJAR Matshiro Arr, etc.

ISC 06 09:43:53.3±0.5, 2.1±0.6, 3.6±1.69E.0±1.1, h25km, m10, 0.81717, m3.6/3, M3.5/6, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like TXAR Lajitas Array, etc.

ISC 06 09:43:53.3±0.5, 2.1±0.6, 3.6±1.69E.0±1.1, h25km, m10, 0.81717, m3.6/3, M3.5/6, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like CATAC, RNSC, UPA, etc.

ISC 06 09:44:01.9±0.5, 12.31N, 0.87±68W, h108km, 104km, MD4.6

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like PKGN Cerro Pekin, CRIN San Cristobal, HERN Volcan Telica, etc.

482

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like BRAN Las Pilas, CSGN Cosiguina Volc, CSGN San Francisco, etc.

Table with columns: Station Name, Frequency, Mode, Class, and Time. Includes stations like CARN Rivas, UESV Universidad de San Vicente, PAVAs Las Pavas, etc.

Table with columns: Station Name, Frequency, Mode, Class, and Time. Includes stations like TRT2, NBG Las Nubes, HDC Heredia, etc.

Table with columns: Station Name, Frequency, Mode, Class, and Time. Includes stations like X40A Basin Creek Fa, W50A Azle, W50A Signal Mountai, etc.

Table with columns: ID, Name, Date, Time, Location, Status, and other details. Includes entries like 759A Double B Far, BLOK Blackwell, CROK Carrier La, etc.

Table with columns: ID, Name, Date, Time, Location, Status, and other details. Includes entries like G40A Rib Lake, HRV Adam Dzewonski, DELO Deloro Mine, etc.

Table with columns: ID, Name, Date, Time, Location, Status, and other details. Includes entries like FFC Comp-Z,43nm,0.8s, FFC Flin Flon, FFC Flin Flon, etc.

485

2018 DEC

6d 9h

Table containing data for stations 485-973. Each row includes station ID, name, coordinates, and status (P, I, A, etc.).

Table containing data for stations 974-1973. Each row includes station ID, name, coordinates, and status (P, I, A, etc.).

Table containing data for stations 1974-2973. Each row includes station ID, name, coordinates, and status (P, I, A, etc.).

6d 11h

Table with columns: SATY, KPKS, DJR, ARXS, ARXS, ARXS. Includes station names like Keri, LTHK, KYPSS, PESSADA, VLS, ZARO, etc.

THE 06 10:46:13.8, 37.63N:20:50E, h4km, 4km, ML3.5/12, Error ellipse: s-maj=4.2km s-min=0.6km az=52.0

ATH 06 10:46:13.9, 37.66N:20:52E, h12km, 2km, ML3.4/18, Manual Solution by K. Orfanogiannaki First location:

2018/12/06 10:46:31, This location: 2019/02/22 12:18:20 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 3 km; Longitude uncertainty: 3 km

ISC 06 10:46:13.8:1.4, 37.65N:0.04:20.51E:0.05, h11km, 8km, n48, c065/75, Ionian Sea

Main table for 6d 11h section, listing station names, codes, and coordinates. Includes stations like Keri, LTHK, KYPSS, PESSADA, VLS, ZARO, etc.

IDC 06 11:09:16.8:2.7, 21.77S:169.70E, h0km, mb3.8/5, mbmp3.7/6, ML3.3/1, Error ellipse: s-maj=90.2km s-min=33.0km az=151.0

ISC 06 11:09:22.1:1.7, 21.73S:0.4:169.7E:0.2, h35km, n7, c152/9, mb3.8/5, Southeast of Loyalty Islands

Table for IDC 06 11:09:16.8 section, listing station names and codes. Includes stations like DZM, STKA, ASAR, WRA, CMAR, SONM, GERES.

2018 DEC

NEIC 06 11:20:55.3:1.1, 61.48N:0.02:149.92W:0.04, h33km, 1km, Error ellipse: s-maj=3.0km s-min=2.8km az=172.0

AEIC 06 11:20:55.6:1.3, 61.42N:0.03:149.88W:0.05, h42km, 5km, ML2.7, ML2.8/144(NEIC), Error ellipse: s-maj=3.9km s-min=3.1km az=149.0, Southern Alaska

Main table for 2018 DEC section, listing station names, codes, and coordinates. Includes stations like Rabbit Creek A, Willow, Palmer, Susitna One, etc.

488

Table for 488 section, listing station names, codes, and coordinates. Includes stations like Shuyak Island, Granite Mounta, Wood River Hill, etc.

NOU 06 11:27:09.5, 34.26S:178.11W, h15km, ML4.9/8, South of Kermadec Islands

IDC 06 11:27:23.4:0.9, 34.79S:179.57W, h0km, mb4.1/5, mbmp4.2/6, ML4.2/1, MS3.4/1, Error ellipse: s-maj=32.2km s-min=22.7km az=69.0

NEIC 06 11:27:24.7:1.3, 34.8S:0.1:179.3W:0.2, h10km, 2km, mb4.3/1, Error ellipse: s-maj=25.7km s-min=19.8km az=123.0

ISC 06 11:27:29.6:0.8, 34.95S:0.09:179.5W:0.1, h43km, n60, c153/62, mb4.2/10, South of Kermadec Islands

Table for NOU 06 11:27:09.5 section, listing station names and codes. Includes stations like MXX, WMGZ, PKGZ, HAZ, etc.

6d 13h

1DC 06 12:43:16.2,2.4,2.0197S;168.95E,h0km,mb3.8/6, mbtmp3.8/7,ML3.1/1, Error ellipse: s-maj=109.4km s-min=22.2km az=151.0

ISC 06 12:43:19.7,1.6,21.1S;0.4;169.0E,0.2,h25km,m14, o#68/13,mb3.9/6,Southeast of Loyalty Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like MAREC, PINTC, YATNC, OUECN, DZM, etc.

1DC 06 12:52:57.2,5.2,42.20N;142.40E,h0km,mb3.7/5, mbtmp3.6/6,ML2.2/1, Error ellipse: s-maj=112.7km

JMA 06 12:53:04.2,0.2,41.3N;140.7;142.2E;0.8,h69km,2km, MV2.9/39,S OFF URAKAWA

ISC 06 12:53:04.9,0.9,41.34N;0.04;142.21E;0.03,h63km,8km, n25, c#70/42,mb3.7/5,Hokkaido region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like JSHD, JNKB, JEM, JIAM, etc.

DJA 06 12:59:01.5,0.7,8.5S;107E;h21km,7km,ML3.9/11, mb4.1/1,MLV3.7/11,Jawa

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like CNJI, SKJI, LEM, etc.

JMA 06 13:06:32.2,0.1,24.1N;122.4E;0.4,h60km,2km, MV3.2/17,TAIWAN REGION

TAP 06 13:06:32.7,1.2,24.47N;0.02;122.40E;0.02,h58km,5km, n160, c#122/303,2C-4D, Taiwan region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like EOS2, EOS3, EOS4, etc.

Table with columns: TIBP, Shuangxi, 0.72 314 P, etc. Rows include stations like TIBP, TIBP, ETL, etc.

2012 DEC

490

Table with columns: WCHH, Zhanghua, 1.73 257 P, etc. Rows include stations like WCHH, WCHH, WYL, etc.

1DC 06 13:13:55.5;0.8,52.03N;171.87W,h0km,mb3.9/15, mbtmp4.0/16,ML3.4/1,MS3.3/10, Error ellipse: s-maj=27.4km s-min=15.7km az=6.0

AEIC 06 13:14:00.2,3.5,51.82N;0.08;171.76W;0.08,h26km,5km, Error ellipse: s-maj=12.3km s-min=5.7km az=158.0

NEIC 06 13:14:01.9,2.6,51.7N;0.1;171.74W;0.08,h37km,10km, mb4.0/35,ML4.3/8,ML3.9(AEIC), Error ellipse: s-maj=15.7km s-min=6.3km az=164.0

ISC 06 13:14:00.8;0.6,51.72N;0.09;171.78W;0.05,h35km, n104, c#151/90,mb4.0/18,MS3.2/9,Fox Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like KOPF, KOPF, KOKL, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, Status, and other technical details. Includes stations like S12K, SHEM, CHGN, M11K, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, Status, and other technical details. Includes stations like TSUM, Tsumeb, KGS1, GLG1, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, Status, and other technical details. Includes stations like KAPI, SP5I, KNRA, TTSI, etc.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like KUE6, Merjarvi, FAUS, STEI, UMAU, LOF, FINES.

ICD 06 14:13:58.168.6.2, 15.88Sx173.67W, h216km, 4.9km, mb3.1/4, mbtmp3.7/5, Error ellipse: s-maj=132.7km s-min=26.4km az=146.0, Tonga Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like MSVF, ASAR, NVAR, PDAR, ILAR.

NEIC 06 14:09:30.4.2.0, 3.5Sx0.1x141.9E, h169km, 12km, mb4.3/15, Error ellipse: s-maj=20.5km s-min=12.2km az=217.0

ICD 06 14:09:38.4.1.8, 3.98S:141.97E, h116km, 18km, mb3.5/6, mbtmp4.1/9, Error ellipse: s-maj=26.3km s-min=15.8km az=95.0

ISC 06 14:09:37.8.0.7, 4.11S:0.07x141.92E, h109km, n30, c231/33, mb4.0/0.9, New Guinea

Large table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Lists numerous stations including Jayapura, Port Moresby, Warramunga, etc.

BJI 06 14:13:36.5.6, 12N:125.83E, h176km, mb4.7/69, mb5.3/27, DJA 06 14:13:42.0.2.7, 12.2N:125.83E, h179km, 2km, Mb5.0/102, mb5.3/102, mb5.5/77, MLv5.9/11, Mw(mb)4.9/77, MwMwp4.9/18, Mwmp5.2/18

NEIC 06 14:13:43.1.6, 6.55N:125.97E, h190km, Moment Tensor Solution. Duration: 2s3 Moment tensor: Scale 1017Nm; Mv=0.56; Mw=0.06; Mw0.62; Mw0.00; Mw0.26; Mw0.85; Fault plane solution: Mo1.07000x1017 NP1: o182.580000, o272.520000, o3-102.420000. NP2: o183.830000, o221.330000, o3-155.670000. Principal axes: T 1.119, P1g27.0000, Azm282.0000; N -0.0904, P1g12.0000, Azm186.0000; P -1.0214, P1g61.0000, Azm75.0000

NEIC 06 14:13:43.4.1.9, 6.66N:0.06:125.67E:0.07, h186km, 3km, mb5.4/304, MwMw5.3/40, Error ellipse: s-maj=10.2km s-min=8.5km az=77.0

GCMT 06 14:13:44.1.0.1, 6.66N:0.01:125.78E:0.01, h183km, Mw5.3/151, Moment Tensor Solution. s17, c181; s151, c255; Duration: 1s1 Moment tensor: Scale 1017 Nm; Mw=0.71±0.1; Mw0.03±0.2; Mw0.74±0.2; Mw=0.05±0.1; Mw0.28±0.2; Mw0.98±0.1; Best double couple: Mo1.25600x1017 NP1: o181.000000, o272.000000, o3-102.000000. NP2: o183.830000, o221.330000, o3-155.670000. Principal axes: T 1.1790, P1g26.0000; Azm281.0000; N -0.0459, P1g12.0000, Azm185.0000; P -1.2340, P1g61.0000; Azm75.0000; s1a1 refers to body waves, cutoff=0.00s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 06 14:13:43.3.0.2, 6.65N:0.02:125.68E:0.03, h191km, 1km, h191km: P-P, n1046, c1957/1097, mb5.4/330, 67C-28D, Mindanao

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Lists stations like Davao City, Davao City (W), Don Marcelino, Mati, Kidapawan, General Santos, etc.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res, ISC. Lists stations like Palu, Abucay Bataan, Namlea, Casiguran, Iba, Zamboales, Masohi, San Manuel, Cauayan, Kendari, Samarinda, Tana Toraja, Sagada Mountain, etc.

6d 14h

Table with columns: Station, Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Minamidaito 2, Ngawi, Pagenjo, Guam, etc.

2018 DEC

Table with columns: Station, Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Warrunganga Arr, Enshi, Monobe, etc.

494

Table with columns: Station, Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Dalian, Townsville Har, Charters Tower, etc.

6d 14h

Table with columns for station ID, name, elevation, wind direction, wind speed, gusts, and other weather metrics. Includes stations like M11K Mekoryuk, FALS False Pass, TNA Tin City, etc.

2018 DEC

Table with columns for station ID, name, elevation, wind direction, wind speed, gusts, and other weather metrics. Includes stations like R17L Mt. Peulik Vol, PLK4 Peulik 4, H18K Horroa River, etc.

496

Table with columns for station ID, name, elevation, wind direction, wind speed, gusts, and other weather metrics. Includes stations like A22K Sinclair Lake, E21K Killik River, E21K Killik River, etc.

Table with columns: SOC, CCB, Name, Date, Time, Status, Location, and other details. Includes entries like 'Clear Creek Bu', 'Susitna Watana', 'Glacier View', etc.

Table with columns: Name, Date, Time, Status, Location, and other details. Includes entries like 'Old Crow', 'Babbage River', 'Chitna Glacier', etc.

Table with columns: Name, Date, Time, Status, Location, and other details. Includes entries like 'Kiilima Mbogo', 'Pelican', 'FINES FINESS Array B', etc.

6d 14h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station ID, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SNA, VNA2, VNA3, etc.

IDD 06 14:28:05.5-1.4, 61.31N:150.18W, h59km, 28km, mb3.6/5, mbtmp3.8/8, ML3.3/3, MS3.7/4, Error ellipse: s-maj=59.4km s-min=9.7km az=114.0

AEIC 06 14:28:07.7-1.0, 61.40N:0.02-150.03W:0.03, h33km, 7km, ML3.5, ML3.6/188(NEIC), Error ellipse: s-maj=3.5km s-min=1.8km az=208.0

NEIC 06 14:28:07.0-1.0, 61.41N:0.03-150.03W:0.04, h41km, 12km, Error ellipse: s-maj=4.6km s-min=0.6km az=145.0

ISC 06 14:28:05.8-0.8, 61.39N:0.03-150.08W:0.03, h42km, n182, r152/156, mb4.0/5, MS3.8/4, Southern Alaska

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station ID, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SUA, RC01, M22K, etc.

2018 DEC

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station ID, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SKT, O22K, SML, etc.

498

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station ID, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SYI, Q19K, TTA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like N18K, O18K, KAIM, VRDI, WRH, SYI, NEA2, Q19K, TTA, HDA, MENT, RIDG, L18K, J20K, P18K, M26K, M26K, TGL, IL31, MLY, M17K, M17K, J19K, J19K, J19K, N17K, I23K, SCRK, SCRK, J18K, J18K, J25K, KAHK, POKR, POKR, I21K, I21K, O17K, KDAK, KDAK, KDAK, P17K, L17K, L27K, KAKN, BCAR, K17K, K17K, K17K, J26L, ACHA, M16K, H21K, CNTC, K27K, K27K, N16K, O16K, O16K, H24K, H24K, H24K, PRP, L16K, L16K, L16K, J17K, P16K, PLK2, N15K, N15K, G23K, J16K, J16K, G24K, G24K, O15K, FYU, K15K, H17K, M14K, F21K, I28M, F19K, G27K, F26K, F17K, F28M, E18K, F15K, G30M, B21K, C27K.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like B20K, R33M, ASRS, ISC, KNGR, KNGR, TDJR, TDJR, KZLR, KZLR, ARDR, ARDR, SONM, SONM, ULN, ULN, TEL, TEL, MINR, MINR, ZALV, ZALV, MKAR, MKAR, ISC, AEIC, NEIC, ISC, ADK, ADK, GSKC, GSKC, GSKM, GSKM, GSTR, GSTR, KIRH, KIRH, KICM, KICM, TAFP, TAFP, TASE, TASE, ATKA, ATKA, ATKA, ATKA, GAEA, GAEA, KOFP, KOFP, CLCO, CLCO, CLCO, CLCO, NIKH, NIKH, OKCE, OKCE, P08K, P08K, P08K, P08K, LVA, LVA, S12K, S12K, G15K, G15K, O14K, O14K, CHGN, CHGN, K13K, K13K, M14K, M14K, N15K, N15K, O16K, O16K, PLK4, PLK4, M16K, M16K, L16K, L16K, KDAK, KDAK, KDAK, KDAK, N19K, N19K, P19K, P19K, SYI, SYI, ILSW, ILSW, L19K, L19K, CNPM, CNPM, J19K, J19K, STLK, STLK, S19K, S19K, SLKM, SLKM, SUA, SUA, CAST, CAST, KTH, KTH, GHO, GHO, BPAW, BPAW, SML, SML, SML, SML, BILL, BILL, BILL, BILL, RND, RND, RND, RND, FID, FID, DHY, DHY, DHY, DHY, HDA, HDA, HDA, HDA, ILAR, ILAR, ILAR, ILAR, ILAR, ILAR, J25K, J25K, B21K, B21K, SCRK, SCRK, D23K, D23K, J26L, J26L, J26L, J26L, L27K, L27K, K27K, K27K, DAWY, DAWY, DAWY, DAWY, C27K, C27K, C27K, C27K, K29M, K29M, H29M, H29M, YKA, YKA.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like H11N2, H11N3, H11N1, H11S1, H11S2, H11S3, NVAR, PDAR, SONM, TXAR, JMJC, BVAR, WRA, IDC, JCJ, JCJ, MJAR, MKAR, KURBB, WRA, ASAR, BVAR, NVAR, IDC, NIUE, NIUE, RAO, RAO, MSVF, MSVF, MSVF, MSVF, AFJ, AFJ, RAR, RAR, RAR, RAR, BFZ, BFZ, MRZ, MRZ, PPT, PPT, ASAJ, ASAJ, PETK, PETK, GMN, GMN, NVAR, NVAR, MAW, MAW, KDAK, KDAK, U15A, U15A, MTPU, MTPU, MTPU, MTPU, G08A, G08A, G08A, G08A, BMO, BMO, K15K, K15K, TMUT, TMUT, TXAR, TXAR, L18K, L18K, SNAW, SNAW, SNAW, SNAW.

6d 17h

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like J16K Anvik River, ANMO Albuquerque, BSUT Blindstream Ca, etc.

TAP 06 17:16:58.4,24:85N:122:91E,h123km,ML2.9,D
JMA 06 17:16:59.0,3,25:14.3,122:8E:0.8,h135km,3km,
MV2.0/13,NW OFF ISHIGAKIJIMA IS
ISC 06 17:16:59.9,1.6,24:78N:0.06:122:82E:0.003,h125km,gkm,
n66,-0.977/128.2,C,Taiwan region

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like YOJ Yonaguni jima, E0S2 E0S2, TWC Suao, etc.

2018 DEC

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like LIOB Nanjuang, SBCB Hsinchu, WARBET Fenglin Townsh, etc.

IDC 06 17:25:27.0:1.9,21:70S:169:26E,h0km,mb3.9/5,
mbmp3.9/6,ML3.6/1,Error ellipse: s-maj=50.6km
s-min=28.7km az=15.0
NEIC 06 17:25:32.5:0.9,22:3S:0:2:169:0E:0.1,h10km,2km,
mb4.4/9,Error ellipse: s-maj=26.3km s-min=18.7km
az=2.0
NOU 06 17:25:43.3,21:70S:168:18E,h0km,MLv3.7/5,Loyalty
Islands
ISC 06 17:25:31.0:1.0,22:1S:0:2:169:00E:0.09,h10km,n24,
mb4.4/9,SE, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like YATNC Mamie plateau, OUEUC Owen Island, ONTNC Owen Toro, etc.

IDC 06 17:32:32.6:0.6,22:00S:169:51E,h0km,mb4.5/13,
mbmp4.5/16,ML4.3/3,MS4.0/9,Error ellipse:
s-maj=19.9km s-min=17.0km az=93.0
BJJ 06 17:32:39.9:23:00S:168:0E,h10km,mb4.9/19,mb5.7/6
NEIC 06 17:32:40.5:1.9,22:9S:0:1:168:79E:0.07,h10km,1km,
mb5.1/60,Error ellipse: s-maj=21.4km s-min=10.4km
az=346.0
NOU 06 17:32:45.0,22:02S:168:63E,h0km,MLv4.0/4,New
Caledonia
ISC 06 17:32:39.0:0.5,22:94S:0:10:168:91E:0:07,h10km,n112,
e238/81,mb5.0/45,MS4.0/6,5C-1D,New Caledonia

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like OUEUC Owen Island, YATNC Mamie plateau, ONTNC Owen Toro, etc.

502

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like RPZ Rata Peaks, CTA Charters Tower, STKA Stephens Creek, etc.

6d 18h

Table of astronomical observations for 6d 18h, listing objects like STKA, COEN, BBOO, etc., with columns for name, coordinates, magnitude, and other parameters.

2018 DEC

Main table of astronomical observations for 2018 DEC, listing objects like SNA, VNA, VNA2, etc., with columns for name, coordinates, magnitude, and other parameters.

504

Table of astronomical observations for 504, listing objects like KNK, CAPN, SLKM, etc., with columns for name, coordinates, magnitude, and other parameters.

NEIC 06 18:08:07.1 ± 0.61 ± 35N, 0103:149:94W, 0.05, h43km, 1km, Error ellipse: s-maj=3.9km s-min=3.2km az=196.0

AEIC 06 18:07:8.1 ± 2.1 ± 33N, 0102:149:87W, 0.04, h43km, 4km, ML2.9, ML3.0/150(NEIC), Error ellipse: s-maj=3.4km s-min=3.1km az=199.0, Southern Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, listing observation codes and station details.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, listing observation codes and station details.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res. Includes entries like M17K Holifna River, N17K Nushagak Hills, etc.

IDC 06 18:13:14.3:1.5.22.42S:169.06E, h0km, mb3.7/5, mbmp3.7/6, ML3.2/1, Error ellipse: s-maj=41.2km s-min=28.1km az=14.0

ISC 06 18:13:19.6:1.2, 22.42S:169.10E:0.1, h35km, n6, 15157, mb3.9/5, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res. Includes entries like DZM Mont Dzumac, ASAR Alice Springs, etc.

IDC 06 18:14:11.3:1.1.22.32S:175.05W, h0km, mb4.0/5, mbmp4.0/5, Error ellipse: s-maj=41.6km s-min=30.6km az=138.0

NEIC 06 18:14:13.7:0.9, 21.7S:0.2:174.8W:0.1, h35km, 2km, mb4.3/3, Error ellipse: s-maj=40.3km s-min=5.7km az=331.0

ISC 06 18:14:13.0:0.7, 21.5S:0.1:174.8W:0.1, h35km, n23, 1138/20, mb4.2/9, Tonga Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res. Includes entries like NIJUE Niue, AFI Afiamalu, etc.

WRA Warramunga Arr 47.43 262 P P 18 22 44.5 0.0

WRA Warramunga Arr 47.43 262 P P 18 22 44.7 +0.2

FITZ Fitzroy Crossi 55.86 262 P P 18 23 47.0 -0.5

VNDA Vanda 57.18 186 P P 18 23 56.0 +0.1

QSPA South Pole Qui 65.55 180 P P 18 25 11.3 -0.7

QSPA South Pole Qui 65.55 180 P P 18 25 10.6 -1.3

ILAR Eielson Array 86.68 12 P P 18 27 09.5 +7.4

CMAR Chiang Mai Arr 93.28 288 P P 18 27 31.4 +6.7

YKA Yellowknife Arr 96.21 24 P P 18 27 43.3 +6.4

BVAR Borovoye Array 121.79 320 PKP PKiK 18 33 07.5 +4.2

AKASG Malin Array Be 145.32 333 PKPb PKiK 18 33 51.6 +0.8

BRRI Keskin Array B 149.73 319 PKPb PKPab 18 34 05.2 +0.4

MMAT Mount Meron Arr 150.93 300 PKPb PKPab 18 34 08.4 -1.5

ATH 06 18:17:35.3:7.58N:20.60E, h0km, 1km, ML3.0/14, Error ellipse: s-maj=2.3km s-min=0.9km az=37.0

THE 06 18:17:35.1:7.375N:20.63E, h7km, 9km, ML3.1/10, Error ellipse: s-maj=9.9km s-min=0.9km az=78.0

ISC 06 18:17:34.7:1.6, 37.56N:0.05:20.60E:0.05, h10km, 8km, n33, 10556/55, Ionian Sea

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res. Includes entries like KRI1 Keri, KRI1 Keri.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res. Includes entries like LTHK Lithakia, LTHK Lithakia, etc.

UPP 06 18:19:36.7:0.1, 67.07N:20.96E, h0km, ML2.6, Unknown

HEL 06 18:19:37.4:0.3, 67.07N:20.98E, h0km, ML2.2, Explosion

ISC 06 18:19:38.3:0.9, 67.06N:21.28E, h0km, mbmp2.9/4, ML1.9/4, Error ellipse: s-maj=15.0km s-min=7.7km az=113.0

ISC 06 18:19:36.8:0.8, 67.06N:0.02:20.90E:0.03, h0km, n41, 11907/56, Sweden

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res. Includes entries like DUNU Dundret, ERTU Ertsjaerv, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res. Includes entries like KTK1 Kautokeino, KTK1 Kautokeino, etc.

YARS 06 18:20:14.8, 69.96N:130.01E, h10km, Eastern Siberia

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res. Includes entries like TIXI Tiksi, TIXI Tiksi.

GCMT 06 18:21:57.9:0.4, 43.03S:0.02:83.01W:0.03, h15km, MW4.8/78, Moment Tensor Solution. s10,c10: s78,c97; Duration: 0 Moment tensor: Scale 1016Nm; M1-0.46: 09; M2-0.85: 08; M3-0.39: 08; M4-0.29: 28; M5-1.53: 06; M6-0.98: 27; Best double couple: M1-1.97000: 10; M2-1.65000: 37.40000: 1.30000: NP2; phi264.00000: 81.00000: -1.620000: Principal axes: T 1.9260, Plg6.0000: Azm216.0000: N 0.1040, Plg57.0000: Azm319.0000: P -0.2090, Plg32.0000: Azm121.0000: nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

IDC 06 18:21:58.6:1.8, 42.57S:83.06W, h0km, mb4.2/4, mbmp4.1/5, ML3.8/1, MS3.9/21 Error ellipse: s-maj=42.5km s-min=32.5km az=84.0

NEIC 06 18:21:59.2:2.5, 42.63S:0.09:82.8W:0.2, h10km, 2km, mb4.5/2, Error ellipse: s-maj=21.5km s-min=15.0km az=264.0

ISC 06 18:22:00.3:1.1, 42.63S:0.1:82.8W:0.1, h10km, n68, 11925/48, mb4.5/10, MS4.0/20, West Chile Rise

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res. Includes entries like AY01 Puyuhuapi, LL04 Puerto Octay, etc.

6d 18h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like Nana, Serra de San D, San Ignacio, etc.

NOU 06 18:25:06.8, 19:94S: 174:87W, h0km, ML5.2/8, Tonga Islands
NEIC 06 18:25:15.0, 0.8, 20:0AS: 0.2: 174:5W: 0.1, h73km, 12km, mb4.3/16, Error ellipse: s-maj=35.4km s-min=19.0km az=185.0

ISC 06 18:25:04.4, 0.7, 20:21S: 175:18W, h183km, 40km, mb3.4/6, mbmp4.0/8, MS3.0/3, Error ellipse: s-maj=42.8km s-min=20.6km az=117.0

ISC 06 18:25:14.4, 0.6, 20:4AS: 0.1: 174:40W: 0.06, h56km, n36, z=58/35, mb4.0/10, Tonga Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like NIUE, NIUE, NIUE, etc.

ISC 06 18:26:51.9, 1.4, 13:15N: 03:00:88W: 0.03, h1km, gkm, n72, z=14/87, mb3.9/13, MS3.5/6, Caribbean Sea

2018 DEC

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like PRVC, SAIC, SAIC, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like NVAR, CPUP, RPN, etc.

ICD 06 18:34:24.9, 0.8, 22:09S: 169:46E, h0km, mb4.3/13, mbmp4.3/14, ML3.6/1, MS3.6/6, Error ellipse: s-maj=24.0km s-min=20.4km az=123.0

NOU 06 18:34:25.2, 22:08S: 169:42E, h0km, MLv4.5/10, Southeast of Loyalty Islands
NEIC 06 18:34:26.8, 1.0, 22:4AS: 0.1: 169:39E: 0.09, h10km, 1km, mb4.8/23, Error ellipse: s-maj=19.6km s-min=12.4km az=149.0

ISC 06 18:29:00.0, 0.5, 22:13S: 0:07: 169:43E: 0.07, h25km, n119, z=86/110, mb4.7/29, MS3.6/4, 5C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like Code, Station Name, Azimuth, etc.

Table with columns: Code, Station Name, Az, Phase, Time, Res. Includes stations like HHC Hu-ho-hao-te, HHC comp=Z,29nm,1.2s, HHC comp=Z,190nm,4.5s, etc.

BJI 06 18:44:19.9, 18.745s:169.64E,h225km,mb4.9/47, mB5.2/11
MOS 06 18:44:20.9,0.9,19.105s:169.46E,h241km,mb5.1/23, Error ellipse: s-maj=11.4km s-min=9.8km az=145.0
IDC 06 18:44:22.7,0.6,19.066s:169.37E,h243km,mb4.4/20, mbmp5.0/23, Error ellipse: s-maj=8.8km s-min=7.8km az=114.0
NEIC 06 18:44:22.7,1.3,19.035s:169.44E,0.09,h238km,5km, mb5.1/330, Error ellipse: s-maj=14.0km s-min=12.3km az=144.0
NOU 06 18:44:22.7,19.005s:169.41E,h233km,mb5.0/72, Vanuatu Islands
GCMT 06 18:44:23.0,0.3,19.095s:0.03:169.35E,0.03:h249km,2km, MW5.079, Moment Tensor Solution. s44,c50; s7,c98; Duration: 0 Moment tensor: Scale 1016Nm; M3:6.1±.13; Mw=3.1±.15; Mo=0.4±.14; Mo:0.11±.15; Mo:1.6±.12; Mo=0.91±.13; Best double couple: M3:88300x10^16 Np1=232.00000°,s49.00000°,l11.00000°. NP2: s79.00000°,s45.00000°,l110.00000°. Principal axes: T 3.8340,Plg76.0000°,Azm74.0000°,N 0.0960,Plg14.0000°,Azm244.0000°;P -3.9320,Plg2.0000°,Azm335.0000°; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular

Table with columns: Code, Station Name, Az, Phase, Time, Res. Includes stations like DVP Devils Point, DVP Devils Point, MARNC Mars, Loyalty, VLAKA Lakatoro, etc.

Table with columns: ARMA Armidale, HRZ Hauiti, URZ 5.1nm,0.6s,baz=350,slow=20,SNR=7.4, etc. Includes stations like RTZ Ruatuhuna, AUPHS Peel High Scho, etc.

Table with columns: HMH Humu'ula Sheep, PUAH Pauahi, KNHH Kane Nui o Ham, etc. Includes stations like MHA Mahukona, MHA Mahukona, JOKA Jonika Flow, etc.

6d 18h

Table with columns: Code, Name, Date, Time, Status, Location, and other details. Includes entries like CMAR Chiang Mai Arr, MAW Mawson, CHTO Chiang Mai, etc.

2018 DEC

Table with columns: Code, Name, Date, Time, Status, Location, and other details. Includes entries like SAO San Andreas Ge, SEW Seward, M19K Mount Spurr, etc.

508

Table with columns: Code, Name, Date, Time, Status, Location, and other details. Includes entries like CAST Castle Rocks, J20K Nowlin River, SCM Sheep Creek Mo, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like BOA Vlna, GNI, KREB, KIV, OBV, BDFB, FINES, SOC, NB2, NOA, AKASG, BRG, CLL, KRUC, MODS, PRU, EKA, NEUB, EDM, PEHC, ZVC, GTTG, PLN, IBBN, NKNC, MOXA, RON, CONA, VAY, CKRC, MANZ, KHC, TEKS, ROTZ, UBBA, GERES, WET, KASTN, ARSA, BUG, BBLS, SJES, GRF, RCBR, MOA, MOA, HAPS, RUDO, WACR, BIOD, SOKA, SOKA, WME, OHR, STWC, TNS, UPM, WLF1, ELY, CWF, RJOB, PDG, OBKA, FOEL, LLW, BRY, BTNL, MEM, TIR, KBA, KBA, LESA.

Table with columns for station name, frequency, power, and other technical details. Includes stations like LESA, BSI, TREB, MYKA, HCY, UCC, BCLA, STU, STON, WATA, WATA, RCHB, BMRD, ABTA, WTTA, WTTA, MCHT, WLF, WLF, WLF, MOTA, RETA, DOU, SQA, SOTA, RBSS, URSB, SWNI, WOL, BFO, BFO, BFO, FETA, FETA, DAVE, KEST, PGAV, PVRL, MVO, PVIS, MTE, ESCD, PCBR, PBAR, PBEJ, MORF, MDT, DBIC, DBIC, TORC, TORC, TORC, SAUI, SAUI, SAUI, BNDI, MSAI, MSAI, NLAJ, FAKI, FAKI, FAKI, SOEI, SOEI, SOEI, SOEI, FITZ, FITZ, FITZ, FITZ, WBO, WRAB, WRA, WRA, WRA, WRA, AS31, ASAR, ASAR, ASAR, ASAR.

Table with columns for station name, frequency, power, and other technical details. Includes stations like ASAR, PMG, PMG, MANU, STKA, UBPT, ONTC, CM31, CMAR, CHTO, SHL, SONM, MKAR, ZAAO, ZALV, KURBB, KKAR, BVAR, NRK, ABKAR, ILAR, TORD, AGLI, AGLI, AGLI, VSL, VSL, VSL, TOLF, TOLF, TOLF, SMPL, SMPL, SMPL, SMPL, SAUI, SAUI, SAUI, BNDI, MSAI, MSAI, NLAJ, FAKI, FAKI, FAKI, SOEI, SOEI, SOEI, SOEI, FITZ, FITZ, FITZ, FITZ, WBO, WRAB, WRA, WRA, WRA, WRA, AS31, ASAR, ASAR, ASAR, ASAR.

6d 19h

Table listing station data for the 6d 19h section, including station names, coordinates, and various parameters.

2018 DEC

Main table listing station data for 2018 DEC, including station names, coordinates, and various parameters.

512

Table listing station data for the 512 section, including station names, coordinates, and various parameters.

THE 06 19:12:07.6, 37.62N-20.74E, h13km, 2km, ML2.8/7, Error ellipse: s-maj=3.2km s-min=0.7km az=76.0

Table listing station data for the 06 19:12:07.6 section, including station names, coordinates, and various parameters.

NEIC 06 19:40:43.9, 1.4, 61.51N, 0102.149, 88W, 0.05, h42km, 7km, Error ellipse: s-maj=3.9km s-min=2.5km az=135.0

Table listing station data for the NEIC 06 19:40:43.9 section, including station names, coordinates, and various parameters.

KRSC 06 19:45:41.0, 1.6, 50.28N, 157.61E, h40km, 22km, ML4.4, MOS 06 19:45:43.1, 1.1, 50.34N, 157.25E, h55km, mb, 0.1, Error ellipse: s-maj=20.9km s-min=4.2km az=81.6

Table listing station data for the KRSC 06 19:45:41.0 section, including station names, coordinates, and various parameters.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data. Includes stations like KMNr, KPT, BZP, etc.

THE 06 19:45:47.9, 37:52N, 120:71E, h11km, 6km, ML2.3/3, Error ellipse: s-maj=7.8km s-min=1.2km az=75.0.
ATH 06 19:45:47.5, 37:54N, 120:65E, h20km, 3km, ML2.5/7, Manual Solution by S. Koukissis. Location: 2018/12/06 19:45:51. This location: 2020/06/30 07:00:18 ML Amplitudes are expressed in micrometers. All distances are expressed in degrees Latitude uncertainty: 2 km; Longitude uncertainty: 1 km

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data. Includes stations like KRI1, LTHK, etc.

SJA 06 20:05:00.0, 34:72S, 71:79W, h18km, ML3.8
GUC 06 20:05:01.2, 0.9, 34:77S, 71:79W, h40km, 1km, ML3.6
ISC 06 20:05:00.1, 34:76S, 0:03, 71:79W, 0.05, h2km, 15km, n36, c083/54, 3C-1D, Near coast of central Chile

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data. Includes stations like GO05, BO03, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data. Includes stations like MT15, MT15, etc.

ISC 06 20:08:40.2, 1.6, 37:74S, 73:15W, h0km, mb4.0/4, mbmp3.9/6, ML3.9/2, Error ellipse: s-maj=44.7km s-min=22.1km az=79.0
GUC 06 20:08:43.6, 0.8, 37:82S, 73:46W, h40km, 4km, ML4.2
ISC 06 20:08:42.2, 0.8, 37:88S, 0:03, 73:22W, 0.08, h2km, n31, c156/32, mb4.0/5, 1D, Near coast of central Chile

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data. Includes stations like BIO5, LRO3, etc.

QSPA South Pole Qui 52.37 180 P 20 17 55.1 +2.7
DBIC Dimbokro 77.41 71 P 20 20 37.0 +1.1
TORD Torodi Ar. Bea 86.50 71 P 20 21 23.9 +0.3

AEIC 06 20:16:58.1, 2.0, 52:04N, 0:04, 169:36W, 0.07, h1km, 7km, Error ellipse: s-maj=7.2km s-min=5.4km az=221.0
NEIC 06 20:16:59.2, 1.2, 51:92N, 0:04, 169:50W, 0.09, h2km, 9km, ML2.5(AEIC), Error ellipse: s-maj=9.8km s-min=1.6km az=122.0, Fox Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data. Includes stations like CLCO, NIKH, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data. Includes stations like ANWB, ANWB, etc.

IDC 06 20:31:40.9, 0.7, 6:11S, 142:67E, h0km, mb4.2/16, mbmp4.3/20, ML4.5, MS3.6/18, Error ellipse: s-maj=22.3km s-min=13.9km az=83.0
DJA 06 20:31:43.0, 1.2, 6:3S, 141:3E, h19km, 9km, M5.0/22, mb5.4/8, mb4.7/22, MLV5.4/6, Mw(mb)4.8/8
NEIC 06 20:31:44.6, 1.6, 6:13S, 0:07, 142:55E, 0.07, h15km, 5km, mb4.7/24, Error ellipse: s-maj=11.3km s-min=8.6km az=217.0

ISC 06 20:31:42.3, 0.5, 6:35S, 0:05, 142:59E, 0.06, h10km, n81, c194/77, mb4.6/24, MS3.5/13, New Guinea

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data. Includes stations like MMPI, JAY, etc.

Table with columns: Code, Station Name, Az, El, Op, P, Time, Res, ISC. Includes stations like CHIANG MAI ARR, USSURIYSK AR, KUD'UR, RAROTONGA, SONGINO ARRAY, VANDA, MAKANCHI ARRAY, ZALESOVO BEAM, etc.

NOU 06:20:58:41.4, 38:34S: 178:09E, h11km, MLV3.7/11, Off E. Coast of N. Island, N.Z. WEL 06:20:58:43.9, 0.5, 39°S, 177°8'E, h22km, 2km, M3.9/23, ML4.2/23, MLV3.9/23, Error ellipse: s-maj=5.2km s-min=2.7km az=118.1, confirmed ISC 06:20:56:42.3, 1.5, 38.81S: 178.07E: 0.04, h15km, 12km, n115, 0.099/123, Off east coast of North Island

Table with columns: Code, Station Name, Az, El, Op, P, Time, Res, ISC. Includes stations like PARITU ROAD, RIMUHUA, CARNAGH STATION, MAHIA PENINSUL, etc.

Table with columns: Code, Station Name, Az, El, Op, P, Time, Res, ISC. Includes stations like WHVZ Whangapeh Hut, WNVZ Wahianoa, MAVZ Matarangi, COVZ Chateau Observ, etc.

DIR 06:21:04:26.5, 37:60N: 20:23E, h18km, 1km, Md3.8, M3.6 IDC 06:21:04:28.7, 1.1, 37:77N: 20:48E, h0km, mb3.7/10, mbmp3.6/19, ML3.5/7, MS2.9/5, Error ellipse: s-maj=20.6km s-min=14.8km az=160.0 ATH 06:21:04:30.0, 37:65N: 20:30E, h9km, 3km, ML3.6/6, Error ellipse: s-maj=4.1km s-min=1.3km az=55.0 THE 06:21:04:30.3, 37:65N: 20:34E, h0km, 2km, ML3.6/6, Error ellipse: s-maj=2.9km s-min=0.6km az=232.0 PGO 06:21:04:35.0, 1.7, 37:65N: 20:40E, h2km, 11km, ML3.7/12, Error ellipse: s-maj=4.9km s-min=5.2km az=0.0 BEO 06:21:04:37.2, 0.7, 37:35N: 19:00E, h10km, ML3.5/11 ISC 06:21:04:31.3, 1.0, 37:72N: 0:03, 20:38E: 0:03, h18km, 4km, n127, 0.200/179, mb3.7/10, 3C-4D, Ionian Sea

Table with columns: Code, Station Name, Az, El, Op, P, Time, Res, ISC. Includes stations like ORTH Orthones, Zaky, KERI Kerri, LTHK Lithakia, LTHK Lithakia, etc.

Table with columns: Code, Station Name, Az, El, Op, P, Time, Res, ISC. Includes stations like LSK Leskovik, SCTE Santa Cesarea, FNA Florina, FNA Florina, FNA Florina, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Sonseca Array, GNI Garni, MDT Midelt, etc.

IDC 06 21:05:51.6.1.4.45:83S:95.98E, h0km, mb3.9/7, mbmp3.9/7, MS3.6/16, Error ellipse: s-maj=41.0km s-min=23.6km az=121.0

Main table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Amsterdam Isla, Cape Leeuwijn H, etc.

IDC 06 21:11:45.3.2.9.22:18S:169.22E, h0km, mb3.6/3, mbmp3.7/4, ML3.5/1, MS3.9/1, Error ellipse: s-maj=159.9km s-min=30.5km az=164.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Mare, Loyalty, Mamie plateau, etc.

IDC 06 21:20:32.2.2.7.22:58S:169.09E, h0km, mb3.7/2, mbmp3.8/3, ML3.9/1, MS3.1/1, Error ellipse: s-maj=113.1km s-min=39.2km az=166.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Mont Dzumac, Alice Springs, etc.

IDC 06 21:20:26.1.2.7.22:18S:168.92E, h0km, mb3.8/5, mbmp3.8/6, ML3.6/11, MS3.1/1, Error ellipse: s-maj=117.7km s-min=27.4km az=162.0

Main table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Jan Mayen, Warramunga Arr, etc.

IDC 06 21:32:14.9.3.3.17:44S:178.43W, h600km, mb3.0/4, mbmp4.0/5, Error ellipse: s-maj=108.0km s-min=27.1km az=141.0

NEIC 06 21:32:12.1.1.1.18:36S:0:09, 179.2W, 0.2, h585km, 9km, mb4.2/15, Error ellipse: s-maj=22.4km s-min=12.2km az=82.0

Main table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Warramunga Arr, Alice Springs, etc.

IDC 06 21:12:02.4.21.75S:167.97E, h0km, MLV2.9/6, Loyalty

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Marconi Confer, Eielson Array, etc.

JMA 06 21:00.8.0.2.44:0N:0:9, 14.8E, h0km, MV3.5/12, SE OFF 3:30:00

SKHL 06 21:33:01.6.0.1.44:30N:148.20E, h40km, 9km, mb4.3/2, ISC 06 21:32:59.1.3.2.44:30N:148.4E, 0.2, h35km, n12, #152/21, Kuril Islands

Main table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Kuril'sk, Nemuro-Hokkai, etc.

BER 06 21:45:07.0.0.4.71:46N:10:58W, h0km, 281km, ML2.2, Confirmed Earthquake

ISC 06 21:45:04.9.2.4.71:8N:0:3, 10:7W, 0.3, h10km, n5, #0528/9, Jan Mayen Island region

Main table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Jan Mayen, Jan Mayen West, etc.

BJI 06 21:45:07.0.61:40N:150:00W, h40km, mb4.5/31, mb5.3/11, MS5.2/5, Mb7.4/6.9

MOS 06 21:45:08.0.61:35N:150:21W, h54km, mb5.0/42, Error ellipse: s-maj=13.3km s-min=5.0km az=93.5

NEIC 06 21:45:10.6.1.0.61:35N:102:199, h54km, 3km, Error ellipse: s-maj=3.6km s-min=3.2km az=120.0

Moment Tensor Solution. Moment tensor: Scale 10^16Nm; Mn=0.81; Mw=0.06; Ms=0.77; Mx=0.47; My=0.14; Mz=0.79;

Fault plane solution: Ms1.26000x10^16 NP1: 197.62000°, 369.64000°, -69.68000°. NP2: 330.83000°, 328.46000°, -133.11000°

Principal axes: T: 1.1860, P: 22.0000, N: 1.01317, P: 19.0000, Azm: 10.0000°, P: -1.3177, P: 16.0000°, Azm: 137.0000°

IDC 06 21:45:10.2.1.3.61:39N:150:22W, h54km, 10km, mb4.3/29, mbmp4.6/35, MS3.7/58, Error ellipse: s-maj=10.8km s-min=9.5km az=51.0

BGR 06 21:45:10.2.61:30N:152:00W, h33km, mb5.2, AEIC 06 21:45:11.4.1.0.61:34N:0:03, 149:96W, 0.05, h43km, 5km, ML4.8, mb4.9/347(NEIC), ML4.9/202(NEIC), Mw4.7/127(NEIC), Mw4.7/63(NEIC), Error ellipse: s-maj=4.0km s-min=3.2km az=163.0

NEIC 06 21:45:11.3.61:35N:150:00W, h46km, NEIC 06 21:45:11.3.61:35N:150:00W, h46km, Moment Tensor Solution. Duration: 1s1

Mn=1.04; Mw=0.19; Ms=0.85; Mx=0.26; My=0.26; Mz=0.72; Fault plane solution: Ms1.26000x10^16 NP1: 185.12000°, 864.07000°, -170.69000°. NP2: 326.42000°, 831.92000°, -124.22000°

Principal axes: T: 1.1124, P: 17.0000, N: 0.2923, P: 17.0000, Azm: 356.0000°, P: -1.4047, P: 65.0000°, Azm: 129.0000°

GCMT 06 21:45:11.4.0.4.61:33N:0:04, 150:20W, 0.06, h61km, 2km, MV4.8/76, Moment Tensor Solution. s23.c24; s76.c90; Duration: 0 Moment Tensor Solution. Scale 10^16Nm; Mn=0.48; Mw=0.14; Ms=0.85; Mx=0.26; My=0.26; Mz=0.72

Mn=1.65; Mw=1.3; Ms=1.0; Mx=0.54; My=0.78; Mz=1.0; Ms1.26000x10^16 NP1: 185.12000°, 864.07000°, -170.69000°. NP2: 326.42000°, 831.92000°, -124.22000°

Principal axes: T: 2.5180, P: 16.0000, N: 0.2923, P: 17.0000, Azm: 356.0000°, P: -1.4047, P: 65.0000°, Azm: 129.0000°

NEIC 06 21:45:11.3.61:35N:150:00W, h40km, ISC 06 21:45:09.9.3.61:33N:0:03, 150:01W, 0.02, h49km, 2km, h49km, #P-P, n1047, #13/1909, mb4.9/259, MS3.7/54, 32C-13Z, Southern Alaska

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

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Table with columns: Station ID, Name, Frequency, Band, Power, Antenna, Elevation, Azimuth, etc. Includes stations like K27K, YUK3, P16K, H22K, H24K, GCSA, etc.

2018 DEC

Table with columns: Station ID, Name, Frequency, Band, Power, Antenna, Elevation, Azimuth, etc. Includes stations like F20K, CHIR, CHIR, G26K, G26K, F22K, F24K, K29M, P29M, P29M, G17K, G17K, M30M, M30M, H16K, H16K, F19K, F19K, P30M, P30M, J14K, J14K, BMAR, F25K, F25K, M13K, M13K, G27K, G27K, CHGN, E23K, F18K, F18K, O30N, E24K, E24K, N31M, N31M, F26K, F26K, E22K, G16K, G16K, E19K, E19K, MAYO, K13K, K13K, PLBC, PLBC, J30M, S14K, H29M, H29M, F17K, I30M, I30M, G15K, G15K, E21K, E21K, WHY, WHY, E20K, M31M, M31M, SKAG, SKAG, G29M, D22K, F28M, D23K, ANM, ANM, ANM, E17K, EPYK, R31K, S31K, E27K, F15K, F15K, D24K, D20K, FARO, M11K, M11K, D19K, D19K, BESE, BESE, C21K, C21K, D25K, N32M, N32M, N32M, CHNA, CHNA.

6d 21h

Table with columns: Station ID, Name, Frequency, Band, Power, Antenna, Elevation, Azimuth, etc. Includes stations like G30M, G30M, CNBA, H31M, R32K, F14K, C24K, JIS, JIS, S12K, S12K, P33M, P33M, D17K, E28M, E28M, B21K, B21K, C23K, SIT, SIT, SIT, SIT, RDOG, C18K, E27K, E29M, C19K, S32K, F30M, D27M, G31M, C26K, TNA, TNA, C17K, B22K, B22K, Q32M, Q32M, B20K, D28M, F31M, B18K, C16K, R33M, T33K, INK, INK, INK, A22K, A19K, S34M, S34M, U33K, U33K, GAMB, A21K, WRAK, DLBC, DLBC, DLBC, CRAG, CRAG, T35M, V35K, UNV, UNV, UNV, LIRD, LIRD, LIRD, TOAD, TOAD, KOTAN, A36M, A36M, BBB, BBB, BBB, YKA, YKA, YKA, ADK, ADK, ADK, BILL, BILL, BILL, D05A, D05A, F04A, F04A, G03D, G03D.

Table with columns for station code, name, frequency, polarization, and status. Includes stations like Kings Mountain, Matsushiro Arr, and Lovozero.

Table with columns for station code, name, frequency, polarization, and status. Includes stations like RUE Ruedersdorf, CLZ Cludershof, and GUMO Göttingen.

Table with columns for station code, name, frequency, polarization, and status. Includes stations like AAK Ala-Archa, AAK Ala-Archa, and AAK Ala-Archa.

6d 22h

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like SIMJ Simiganj, UPM Unac-Piva, SJSJ Sjenica, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like M22K Willow, M22K Susitna One, S2A Susitna One, etc.

2018 DEC

Table with columns: SML, Sawmill, Pn, Sn, IAML, etc. Includes stations like SML Sawmill, SKT Skwentna, STLK Strandline Lark, etc.

IDC 06 21:49:57.9-1.1, 20:76Sx169:05E, h0km, mb3.9/5, mbmp3.9/6, ML3.8/1, Error ellipse: s-maj=43.8km

ISC 06 21:50:01.9-1.1, 20:80Sx168:9E, h25km, n7, r1547/8, mb4.0/5, Loyalty Islands

DZM Mont Dzumac 2.61 242 Pn Pn 21 50 43.0 +0.4

WRA Warramunga Arr 32.39 265 P P 21 56 30.8 +0.9

ASAR Alice Springs 32.48 258 P P 21 56 31.4 +0.8

QSPA South Pole Qui 69.22 180 P P 22 01 07.2 +0.8

NVAR Mina Array Bea 90.08 49 P P 22 02 57.9 -2.1

ILAR Eileson Array 91.84 17 P P 22 03 07.7 +0.3

EKA Eskdalemuir Ar 145.05 352 PKP PKPab 22 09 37.0 +0.8

IDC 06 21:53:34.9-1.4, 0:22N;97:05E, h0km, mb3.9/7, mbmp3.9/8, ML3.5/2, MS2.5/1, Error ellipse: s-maj=41.8km

NEIC 06 21:53:36.2-1.0, 0:29N;0:05-96:87E;0:07, h10km, 1km, mb4.4/12, Error ellipse: s-maj=12.3km s-min=8.1km

DJA 06 21:53:37.1-0.4, 0:N;3:9:7E, h58km, 16km, M4.3/19, mb4.6/6, mb5.2/1, ML3.4/19, Mw(mb)4.5/1

ISC 06 21:53:37.4-0.8, 0:21N;0:05-96:04E, h22km, n54, r1503/48, mb4.2/12, Off west coast of northern Sumaterra

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like GSI Gunungsitoli, GSI Gunungsitoli, GSI Pulau Batu, etc.

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Table with columns: ZAAO, ZAAO, ZALV, ZALV, JTM, ABKAR, H04N2, H04N1, H04N3, H04S1, H04S3, H04S2. Includes stations like ZAAO Zalesovo Array, ZALV Zalesovo Beam, etc.

STR 06 21:53:45.1-0.5, 45:1N;3:3:5E, h5km, MLV0.4/7, Error ellipse: s-maj=0.0km s-min=0.0km az=50.0, preliminary, France

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like CREF Crivoux, CREF Saint Ours, SURF Jausiers, etc.

IDC 06 22:00:56.3-1.6, 22:15Sx176:14W, h0km, mb4.2/4, mbmp4.2/5, ML3.9/1, Error ellipse: s-maj=66.9km

NEIC 06 22:01:18.1-1.5, 21:9S;0:1x176:2W;0:2, h190km, 13km, mb4.3/23, Error ellipse: s-maj=24.6km s-min=10.4km

ISC 06 22:01:21.7-1.3, 22:1S;0:1x176:7W;0:2, h200km, n37, r084/36, mb4.2/17, South of Fiji Islands

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like MSV F Nonsavu, NIUE Niue, RAO Raoul Island, etc.

IDC 06 22:04:35.5-1.2, 22:12Sx169:38E, h0km, mb4.0/7, mbmp4.0/8, ML3.2/7, MS3.2/3, Error ellipse: s-maj=37.8km

ISC 06 22:04:39.7-0.9, 22:1S;0:2-169:3E;0:1, h25km, n15, r052/14, mb4.2/9, 4C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like DSZ Denniston No, GVZ Getta Valley S, LTZ Lake Taylor, etc.

IDC 06 22:04:35.5-1.2, 22:12Sx169:38E, h0km, mb4.0/7, mbmp4.0/8, ML3.2/7, MS3.2/3, Error ellipse: s-maj=37.8km

ISC 06 22:04:39.7-0.9, 22:1S;0:2-169:3E;0:1, h25km, n15, r052/14, mb4.2/9, 4C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like LBZ Lake Benmore, WHZ Wether Hill N, ARMA Armidale, etc.

IDC 06 22:04:35.5-1.2, 22:12Sx169:38E, h0km, mb4.0/7, mbmp4.0/8, ML3.2/7, MS3.2/3, Error ellipse: s-maj=37.8km

ISC 06 22:04:39.7-0.9, 22:1S;0:2-169:3E;0:1, h25km, n15, r052/14, mb4.2/9, 4C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like CTAO Charters Tower, STKA Stephens Creek, COEN Coen, etc.

IDC 06 22:04:35.5-1.2, 22:12Sx169:38E, h0km, mb4.0/7, mbmp4.0/8, ML3.2/7, MS3.2/3, Error ellipse: s-maj=37.8km

ISC 06 22:04:39.7-0.9, 22:1S;0:2-169:3E;0:1, h25km, n15, r052/14, mb4.2/9, 4C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like WRO Warramunga Arr, WRO Warramunga Arr, WRO Warramunga Arr, etc.

IDC 06 22:04:35.5-1.2, 22:12Sx169:38E, h0km, mb4.0/7, mbmp4.0/8, ML3.2/7, MS3.2/3, Error ellipse: s-maj=37.8km

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

Summary information including coordinates (e.g., 169.09E, h0km), magnetic field (mb3.8/4), and other parameters.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details.

Summary information including coordinates (e.g., 169.59E, h0km), magnetic field (mb3.9/7), and other parameters.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details.

Summary information including coordinates (e.g., 67.15W, h190km), magnetic field (ML3.4), and other parameters.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details.

Summary information including coordinates (e.g., 79.48W, h10km), magnetic field (MW4.2), and other parameters.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details.

Summary information including coordinates (e.g., 31.37E, h2km), magnetic field (ML2.5/13), and other parameters.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details.

Summary information including coordinates (e.g., 169.59E, h0km), magnetic field (mb3.9/7), and other parameters.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details.

Summary information including coordinates (e.g., 67.15W, h190km), magnetic field (ML3.4), and other parameters.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details.

Summary information including coordinates (e.g., 152.20E, h0km), magnetic field (mbtmp3.4/5), and other parameters.

Summary information including coordinates (e.g., 17.3km s-min=6.5km), magnetic field (ML2.4/5), and other parameters.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details.

Summary information including coordinates (e.g., 10.04E, h5km), magnetic field (ML2.4/5), and other parameters.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details.

Summary information including coordinates (e.g., 169.59E, h0km), magnetic field (mb3.9/7), and other parameters.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details.

Summary information including coordinates (e.g., 169.59E, h0km), magnetic field (mb3.9/7), and other parameters.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details.

Summary information including coordinates (e.g., 169.59E, h0km), magnetic field (mb3.9/7), and other parameters.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details.

Summary information including coordinates (e.g., 169.59E, h0km), magnetic field (mb3.9/7), and other parameters.

Summary information including coordinates (e.g., 123.43E, h190km), magnetic field (ML2.6/km), and other parameters.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details.

Summary information including coordinates (e.g., 149.95W, h32km), magnetic field (ML2.2/km), and other parameters.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details.

6d 23h

Table with columns: FIS, RC01, RC01, RC01, PMR, PMR, PMR, SUA, SUA, SUA, GHO, GHO, KNK, KNK, KNK, SML, SML, SML, CAPN, STLK, STLK, STLK, SKT, SKT, SKLM, SKLM, PWL, CWT, CWT, SPCG, M23K, SPCP, SPCR, SCM, SEW, WAT7, GLI, GLI, WAT1, M20K, M20K, REF, BRK, BRK, BRSE, PPLA, PPLA, FID, FID, M24K, KLU, KLU, O20K, HIN, HIN, HOM, DHY, DHY, TRF, TRF, TRF, DIV, DIV, CNPM, CNPM, CNPM, IVE, L20K, KTH, KTH, ILSW, ILSW, ILSW, M19K, CAST, N19K, MCK, P19K, L19K, N25K, N25K, N25K, PAXM, B2KX, BPAW, BPAW, K20K, K20K, BWN, BWN, BWN, M18K, GLB, GLB, N18K, N18K, O18K, O18K, SYI, SYI, SYI, VRDI, VRDI, Q19K, HDA, HDA, J20K

2018 DEC

Table with columns: J20K, L26K, L26K, IL31, MLY, M17K, M17K, M17K, J19K, J19K, I23K, I23K, SCRK, SCRK, J18K, J25K, J25K, L17K, K17K, K17K, K17K, J26L, J26L, J26L, CNCT, O16K, O16K, I26K, IDC 06 23:04:17.3, 3.1, 7.01S, 129.68E, h123km, 26km, mb3.7/6, mbmp4.2/10, Error ellipse: s-maj=31.6km s-min=18.6km az=71.0, NEIC 06 23:04:17.5, 2.1, 6.95S, 0.06x129.73E, 0.07, h144km, 11km, mb4.2/9, Error ellipse: s-maj=11.1km s-min=7.8km az=110.0, DJA 06 23:04:19.0, 0.4, 7.52x13.0E, h121km, 10km, M4.4/12, mb4.0/6, mB5.3/4, MLV4.4/12, Mw(mb)4.8/5, ISC 06 23:04:18.2, 0.5, 7.10S, 0.04x129.77E, 0.05, h150km, n55, z=34/69, mb4.0/8, Banda Sea

522

Table with columns: CPUP, LPAZ, NEIC 06 23:04:32.8, 1.0, 6.136N, 0.02-150.00W, 0.05, h41km, 3km, Error ellipse: s-maj=3.5km s-min=3.4km az=150.0, AEIC 06 23:04:33.5-1.1, 6.137N, 0.02-149.99W, 0.04, h35km, 4km, ML2.2, ML2.5/40(NEIC), Error ellipse: s-maj=3.3km s-min=3.0km az=191.0, Southern Alaska

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like KBS Kingsbay, SPBA Spitsbergen Ar, and various HF and VHF stations.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like D19K Kuna River, G29M Pine Creek, and various HF and VHF stations.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like RAO Raoul Island, RAO Raoul Island, and various HF and VHF stations.

Technical notes and corrections for the station listings, including frequency corrections and mode changes. Examples include: 'IDC 06 23:26:56.7-0.3, 22:29S; 169.80E, h0km, mb5.2/31, mbtmp5.2/35, ML5.3/4, MS5.6/59, Error ellipse: s-maj=13.3km s-min=8.6km az=86.0'.

6d 23h

Table with columns: Call sign, Name, Frequency, Power, Mode, and other details. Includes stations like AUAYR, OXZ, AUCDS, etc.

2018 DEC

Table with columns: Call sign, Name, Frequency, Power, Mode, and other details. Includes stations like PATS, Pohnpei, BBOO, etc.

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Table with columns: Call sign, Name, Frequency, Power, Mode, and other details. Includes stations like MBWA, KLBK, TMTI, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like KMMI, GMJI, BLJI, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like MNAI, KSD, KSI, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like YSS, RPSI, PSI, etc.

6d 23h

2018 DEC

Table listing stations with columns for call sign, frequency, time, and signal strength. Includes stations like SHENYANG, NIKH, GUYIANG, etc.

Table listing stations with columns for call sign, frequency, time, and signal strength. Includes stations like SAINT GEORGE I, SMAI, SPIA, etc.

Table listing stations with columns for call sign, frequency, time, and signal strength. Includes stations like TIGUYUKUIVET M, UNGALKHUIK R, KARLUK, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like N19K, O19K, L16K, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like I17K, M17K, M20K, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like YAK, PNTR, GLI, etc.

6d 23h

Table with columns: Agency, Name, Date, Location, Status, and other details. Includes entries for TGL Tana Glacier, TPNV Topopah Spring, N25K Chitina, H19K Roundabout Mtn, etc.

2018 DEC

Table with columns: Agency, Name, Date, Location, Status, and other details. Includes entries for GNW Green Mountain, O28M Mount Upton, E18K Tukpahleirik C, etc.

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Table with columns: Agency, Name, Date, Location, Status, and other details. Includes entries for SKAG Skagway, U35K Hyder, BVCY Beaver Creek, etc.

Table with columns: Station, Frequency, Class, Power, and other technical details. Includes stations like WUAZ, N31M, N31M, VA04, PKCU, E21K, G24K, G24K, G24K, JHSG, MFID, H25L, L29M, I26K, I26K, E22K, P33M, P33M, DLBC, DLBC, DLBC, M30M, M30M, A19K, EGAK, EGAK, DAWY, DAWY, R33M, R33M, C21K, G25K, MVU, FYU, F24K, F24K, MOY, E23K, E23K, D22K, D22K, N32M, B20K, B20K, B20K, I27K, M31M, M31M, B21K, K29M, K29M, E24K, E24K, LRO5, LRO5, HPJG, J29N, J29N, TOLK, TOLK, TOLK, LRO3, D23K, HLID, HLID, G26K, F25K, F25K, I28M, I28M, MAYO, MAYO.

Table with columns: Station, Frequency, Class, Power, and other technical details. Includes stations like MAYO, FARO, H27K, HMU, BMAR, SALM, O16A, I21A, I21A, NEW, NEW, NEW, NEW, TMUT, PLCA, PLCA, PLCA, F26K, F26K, D24K, G27K, G27K, G27K, G006, B22K, B22K, CTU, J30M, J30M, WTLY, WTLY, C23K, C23K, A21K, SRU, SRU, SRU, A22K, ZAIK, VAR, EPT, FCUT, C24K, I30M, I30M, I30M, BI05, H29M, H29M, HWUT, D25K, D25K, D25K, BSUT, ROCCA, LIRD, Y22D, E27K, E27K, F28M, F28M, F28M, G29M, G29M, G29M, EPYK, EPYK, EPYK, MSO, MSO, VHRN, AHD, DLMT, DLMT, ALBI, HYB, HYB, C26K, H31M, H31M, C27K, C27K, RDMU, G30M, G30M, ANMO, ANMO, ANMO, TPWA.

Table with columns: Station, Frequency, Class, Power, and other technical details. Includes stations like TIXI, TIXI, TIXI, TIXI, TXAR, TXAR, TXAR, E28M, E28M, D27M, D27M, D27M, YHB, KOTAN, YHL, E29M, E29M, E29M, F30M, G31M, G31M, PDAR, PDAR, PDAR, S22A, LKWK, D28M, F31M, F31M, LKN, BND, BOO1, INK, INK, INK, INK, SDCO, RLMT, WMQ, WMQ, WMQ, WMQ, WRGL, WRGL, T25A, FRKB, QO4A, MT13, N23A, EGMT, JHNI, HOPE, K22A, BHPL, CO06, 833A, GUNA, CO03, CO05, CO04, KSCO, KVTX, SONA, NPLP, LCO, RSSD, ZNR, C36M, KUDL, OGNE, YKA, YKA, SMLA, SMLA, 435B, A36M, A36M, DGMT, OK03, MKAR, MKAR.

6d 23h

Table with columns: Station ID, Name, Frequency, Band, and various signal quality metrics (SNR, etc.). Includes stations like MKAR, ZALV, SHLS, etc.

2018 DEC

Table with columns: Station ID, Name, Frequency, Band, and various signal quality metrics. Includes stations like SUR, Q54A, BOSA, etc.

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Table with columns: Station ID, Name, Frequency, Band, and various signal quality metrics. Includes stations like OBN, ERBR, LABN, etc.

Table with columns for station name, frequency, and other technical details. Includes stations like KECS, DEV, DVV, etc.

Table with columns for station name, frequency, and other technical details. Includes stations like CKRC, CKRC, CKRC, etc.

Table with columns for station name, frequency, and other technical details. Includes stations like RAFF, SSB, VSL, etc.

NEIC 06 23:41:05.8; 1.0, 61.47N, 150.02W; 0.04, h36km, 5km, Error ellipse: s-maj=3.5km s-min=2.2km az=145.0

AEIC 06 23:41:06.2; 1.2, 61.44N, 150.03W; 0.03, 149.97W; 0.05, h42km, 4km, ML3.1, ML3.3/15E(NEIC), Error ellipse: s-maj=3.7km s-min=3.3km az=171.0, Southern Alaska

Table with columns for Code, Station Name, Az, Phase ID, Time, Res, and other details. Includes stations like FIS, FIS, FIS, etc.

6d 23h

Table listing astronomical observations for 6d 23h. Columns include object name (e.g., SML Sawmill, CAPN Captain Cook N), magnitude (e.g., 0.86, 0.89, 2.02), and other parameters like position angle (Pn) and time. Includes sub-sections for various object types like stars, galaxies, and planets.

2018 DEC

Table listing astronomical observations for 2018 DEC. Columns include object name (e.g., CROM Cirque, M26K Nabesna, AK), magnitude (e.g., 3.38, 3.44, 3.44), and other parameters like position angle (Pn) and time. Includes sub-sections for various object types like stars, galaxies, and planets.

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Table listing astronomical observations for 532. Columns include object name (e.g., BKSI Bulukumba, BSSI Bau Bau, BASI Baing Sumba), magnitude (e.g., 14.13, 14.42, 14.82), and other parameters like position angle (P), time, and additional notes like SNR or speed. Includes sub-sections for various object types like stars, galaxies, and planets.

Table listing astronomical observations for 2018 DEC. Columns include object name (e.g., DJA 06 23:43:19.5, 0.2, 7'S, 2.106E), magnitude (e.g., 4.99, 4.72, 4.72), and other parameters like position angle (Pn) and time. Includes sub-sections for various object types like stars, galaxies, and planets.

Table of station data for the first section, including columns for station name, location, and various parameters like time and resolution.

IDC 06 23:44:01.3.0.9.22:22Sx169:55E, h0km, mb4.1/7, mbmp4.0/8, ML3.2/1, Error ellipse: s-maj=33.2km s-min=26.0km az=162.0

NOU 06 23:44:03.5.22:07Sx169:38E, h0km, MLV4.3/8, Southeast of Loyalty Islands

ISC 06 23:44:05.4.0.7.22:1S.0:1x169:43E.0:09, h25km, n30, o882/9, mb4.2/9, 4C, Southeast of Loyalty Islands

Table of station data for the second section, continuing from the first section with similar columns for station details.

IDC 06 23:47:28.1.3.3.21:24Sx169:35E, h0km, mb3.6/3, mbtmp3.6/4, ML3.1/1, Error ellipse: s-maj=195.5km s-min=27.1km az=162.0, Southeast of Loyalty Islands

Table of station data for the third section, including station names and their associated parameters.

Table of station data for the fourth section, containing station information and technical specifications.

IDC 06 23:53:37.8.4.14.5:4.17:16E.1, h15km, 5km, M2.4/16, ML2.7/16, MLV2.4/16, Error ellipse: s-maj=11.1km s-min=5.0km az=104.5, North Island

IDC 06 23:57:51.6.4.4.5.0:59:30N-32:40W, h0km, Error ellipse: s-maj=202.8km s-min=173.0km az=78.0, Reykjanes Ridge

IDC 07 00:01:32.0.1.2.12:10Sx167:08E, h0km, mb4.1/6, mbmp4.1/7, ML3.7/1, Error ellipse: s-maj=42.0km s-min=24.9km az=114.0

ISC 07 00:01:33.7.1.0.1:20S.0:09:167:17E.0:3, h10km, n9, o889/13, mb4.1/6, Santa Cruz Islands

Table of station data for the fifth section, listing stations and their operational details.

TEH 07 00:01:40.2.33.96N-58:58E, h7km, 16km, ML3.5, Northern and central New Britain

Table of station data for the sixth section, including station names and parameters.

Table of station data for the seventh section, containing station information and technical specifications.

mbmp4.2/11, ML4.5/2, Error ellipse: s-maj=33.7km s-min=20.5km az=159.0

NOU 07 00:06:03.4.21:96S.168:29E, h0km, MLV3.8/7, Loyalty Islands

ISC 07 00:05:55.8.0.7.21:9S.0:1x169:09E.0:08, h35km, n45, o80/45, mb4.5/12, 5C, Southeast of Loyalty Islands

Table of station data for the eighth section, listing stations and their operational details.

IDC 07 00:08:57.5.0.6.22:63Sx170:09E, h0km, mb4.5/16, mbmp4.5/18, ML4.0/2, MS4.1/2, Error ellipse: s-maj=20.6km s-min=15.6km az=80.0

NEIC 07 00:09:01.2.3.22:55S.0:1x170:07E.0:10, h10km, 1km, mb4.9/14, Error ellipse: s-maj=20.5km s-min=14.7km az=168.0

ISC 07 00:09:01.7.0.4.22:73S.0:08:169:89E.0:07, h21km, n135, o194/131, mb4.8/35, 20C-7D, Southeast of Loyalty Islands

Table of station data for the ninth section, listing stations and their operational details.

Table with columns: J20K, Nowinta River, comp=E, 15nm, 0.3s, 3.34 326, IAML, 00 37 50.2, etc.

GUC 07 00:44:22.9;0.8, 32.97S;71.83W, h29km, 2km, ML3.5
SJA 07 00:44:25.7;0.7, 32.88S;71.84W, h72km, 10km, ML3.5,
MW3.9

ISC 07 00:44:23.5;1.5, 32.98S;073.7186W, 0.06, h20km, 2km,
n36, c123/59, SD, Near east of central Chile

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes entries like Torpederas, Curacav, Santo Domingo, etc.

ISC 07 01:01:37.2;0.8, 21.97S;169.19E, h0km, mb4.3/11,
mbmp4.3/12, ML4.0/1, Error ellipse: s-maj=25.0km
s-min=21.1km s-tilt=156.0

NOU 07 01:01:39.2; 21.89S; 169.02E, h0km, MLV4.7/15,
Southeast of Loyalty Islands
NEIC 07 01:01:40.0; 21.2; 22.0S; 169.1E; 0.1, h10km, 1km,
mb4.8/14, Error ellipse: s-maj=27.4km s-min=16.3km
s-tilt=175.0

ISC 07 01:01:42.1;0.6, 21.87S;088.1699E;0.07, h31km, n77,
c0572/78, mb4.6/19, SC-1D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes entries like Mare, Loyalty, Mamie plateau, etc.

Main table with columns: DZM, Mont Dzumac, 2.46 265, P, Pn, 01 02 20.4 +0.2, etc.

ISC 07 01:02:58.6;0.6, 21.99S; 169.23E, h0km, mb4.5/15,
mbmp4.5/16, ML4.3/1, MS4.1/2, Error ellipse:
s-maj=20.4km s-min=19.5km s-tilt=125.0
NEIC 07 01:03:01.8; 1.8; 22.0S; 0.1; 169.09E; 0.10, h10km, 1km,
mb5.0/45, Error ellipse: s-maj=23.0km s-min=14.9km
s-tilt=172.0

ISC 07 01:03:03.8;0.5, 22.0S;011.16980E;0.07, h31km, n110,
c0717/100, mb4.9/37, SC-4D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes entries like Mont Dzumac, Ouen Toro, etc.

Main table with columns: ASAR, comp=Z, 0.3nm, 0.8s, baz=221, slow=36, SNR=3.4, P, Pn, 01 02 20.4 +0.2, etc.

7d 1h

Table with columns: Call sign, Name, Frequency, Mode, and other parameters. Includes stations like BTNL Ternell, MEMB Membach, ABTA Abfallersbach, etc.

7d 1h
IDC 07 01:11:53.0.6, 7.59S:74.56W, h145km, 5km, mb3.7/13, mbmp4.1/18, Error ellipse: s-maj=17.0km s-min=10.4km az=62.0

VAO 07 01:11:53.7.0.8, 7.62S:74.55W, h142km, 5km, mb4.4
NEIC 07 01:11:54.5.2.7, 7.63S:0.08:74.75W:0.07, h147km, 5km, mb4.5/14, Error ellipse: s-maj=12.0km s-min=9.9km az=188.0

ISC 07 01:11:53.8.0.4, 7.69S:0.05:74.67W:0.05, h154km, n60, e160/74, mb3.8/20, 4C-1D, Peru-Brazil border region

Main table for 7d 1h section, listing various stations and their parameters. Includes stations like CZSB Cruzeiro do Sul, ATAH Atahualpa, NNA Nana, etc.

2018 DEC

Table with columns: Call sign, Name, Frequency, Mode, and other parameters. Includes stations like ZALV Zalesovo Beam, ASAR Alice Springs, WRA Warramunga Arr, etc.

IDC 07 01:15:22.5.2.1, 2.63S:141.31E, h0km, mb3.5/2, mbmp3.5/3, ML3.6/1, MS3.6/1, Error ellipse: s-maj=34.6km s-min=13.0km az=22.0, Near north coast of New Guinea

Table with columns: Code, Station Name, Frequency, Mode, and other parameters. Includes stations like JAY Jayapura, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 07 01:22:08.1.5.6, 9.30S:113.52E, h0km, mb3.5/3, mbmp3.6/4, ML3.2/1, Error ellipse: s-maj=225.9km s-min=27.4km az=54.0

DJA 07 01:22:15.0.6.9, S3.3x11.4E, h19km, 5km, M4.0/22, mb4.5/3, MLV3.8/22

ISC 07 01:22:13.7.1.7, 9.40S:0.07:113.58E:0.05, h28km, 14km, n23, e144/28, mb3.3/3, South of Jawa

Table with columns: Code, Station Name, Frequency, Mode, and other parameters. Includes stations like JAGI Jajag, GMJG Gumukmas, BLJI Banyuglugur, etc.

IDC 07 01:32:16.4.1.0, 2.19S:169.15E, h0km, mb4.2/8, mbmp4.2/9, ML3.8/1, MS3.4/2, Error ellipse: s-maj=36.7km s-min=20.8km az=158.0

NEIC 07 01:32:18.0.1.2, 2.21S:0.03:169.16E:0.03, h10km, 1km, mb4.8/21, Error ellipse: s-maj=55.2km s-min=4.5km az=177.0

NOU 07 01:32:30.9.2.191S:168.09E, h0km, MLV3.7/6, Loyalty Islands

ISC 07 01:32:20.8.0.6, 22.02S:0.1x169.13E:0.09, h31km, n53, e067/51, mb4.7/18, 5C, Southeast of Loyalty Islands

Main table for 2018 DEC section, listing various stations and their parameters. Includes stations like MARNC Mare, YATNC Mamie, OUENC Ouen Island, etc.

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Table with columns: Call sign, Name, Frequency, Mode, and other parameters. Includes stations like SATY 4.5nm,0.4s, SATY Saty, etc.

IDC 07 01:32:16.4.1.0, 2.19S:169.15E, h0km, mb4.2/8, mbmp4.2/9, ML3.8/1, MS3.4/2, Error ellipse: s-maj=36.7km s-min=20.8km az=158.0

NEIC 07 01:32:18.0.1.2, 2.21S:0.03:169.16E:0.03, h10km, 1km, mb4.8/21, Error ellipse: s-maj=55.2km s-min=4.5km az=177.0

NOU 07 01:32:30.9.2.191S:168.09E, h0km, MLV3.7/6, Loyalty Islands

ISC 07 01:32:20.8.0.6, 22.02S:0.1x169.13E:0.09, h31km, n53, e067/51, mb4.7/18, 5C, Southeast of Loyalty Islands

Main table for 536 section, listing various stations and their parameters. Includes stations like MARNC Mare, YATNC Mamie, OUENC Ouen Island, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JOPP, CAR1, PGN3, etc.

JMA 07:03:17.39.2.0.43.4N.0.6.145.9E.0.9, h61km, 1km, MW3.1/33, OFF NEMURO PENINSULA

SKHL 07:03:17.40.0.1.43.40N.145.90E, h56km, 3km, mb4.0/2 ISC 07:03:17.39.7.1.6, 43.38N.0.06.145.91E.0.05, h55m, 9km, n15, -0862/24, Hokkaido region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NEM2, NMR, JKHJ, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ASAR, MKAR, KURBS, etc.

NEIC 07:03:37.00.9.1.6, 61.42N.0.01.150.10W.0.04, h4km, 9km, Error ellipse: s-maj=2.9km s-min=1.9km az=81.0

AEIC 07:03:37.00.8.1.6, 61.42N.0.02.150.08W.0.05, h42km, 4km, ML2.6, ML2.8/112(NEIC), Error ellipse: s-maj=3.6km s-min=3.1km az=155.0, Southern Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like FIS, SUA, M22K, etc.

HOM 1.93 204 Tolsona, Glenn 1.98 68

CNPM 1.98 197 China Poot

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KLU, KTH, CAST, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HARP, N25K, PAX, etc.

NEIC 07:03:37.24.0.6, 61.50N.0.02.149.90W.0.04, h50km, 4km, Error ellipse: s-maj=3.4km s-min=2.4km az=218.0

AEIC 07:03:37.24.0.1.0, 61.46N.0.03.149.95W.0.05, h58km, ML2.8, ML3.0/22(NEIC), Error ellipse: s-maj=3.8km s-min=3.6km az=198.0, Southern Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like M22K, FIS, SUA, etc.

NEIC 07:03:37.24.2.0.6, 61.50N.0.02.149.90W.0.04, h50km, 4km, Error ellipse: s-maj=3.4km s-min=2.4km az=218.0

AEIC 07:03:37.24.0.1.0, 61.46N.0.03.149.95W.0.05, h58km, ML2.8, ML3.0/22(NEIC), Error ellipse: s-maj=3.8km s-min=3.6km az=198.0, Southern Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like M22K, FIS, SUA, etc.

NEIC 07:03:44.1.7.1.1, 61.51N.0.02.149.91W.0.05, h42km, 5km, Error ellipse: s-maj=3.6km s-min=3.3km az=164.0

AEIC 07:03:44.2.1.1.0, 61.47N.0.02.149.88W.0.05, h46km, 3km, ML2.6, ML2.8/104(NEIC), Error ellipse: s-maj=3.6km s-min=2.8km az=129.0, Southern Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like M22K, FIS, SUA, etc.

IDC 07:03:24:53.2.1.6, 11.18N.138.73E, h0km, mb3.7/5,

Table with columns: SKT, Skwentna, 0.94 304, Pn, 03 44 57.4, -1.6, etc. Includes stations like Chulitna, Port Wells, Skilak Lake, Cooper Landing, Mount Spurr, Sheep Creek Mo, Seward, Susitna Watana, Styx River, Redoubt Volcan, Bradley Lake, Purkeypile, Purke Fidalgo, Tolsona, Glenn, Klutina, Hinchinbrook I, Denali Highway, Thorofare Moun, China Poot, KATH, M19K, CAST, MCK, HARP, N25K, PAX, CHUM, WACK, M18K, K20K, IL31, M17K, J19K, I23K, J25K, J26L, L16K, I26K.

Table with columns: TBG, Guadalupe-3, 2.02 148, eS, etc. Includes stations like Salisbury, San Juan, Bigot, Arecibo Observ, Santa Lucia, Mariana Islands.

IDC 07 03:47:27.4±1.2, 19.63N:144.43E, h0km, mb4.0/6, mbmtp4.0/6, Error ellipse: s-maj=50.8km s-min=29.2km az=104.0, Mariana Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res. Includes stations like H11S3 WAKE ISLAND Hy 21.07 89 T, H11S1 WAKE ISLAND Hy 21.08 89 T, H11S2 WAKE ISLAND Hy 21.09 89 T, etc.

DJA 07 03:53:09.6±0.4, 0°N:3°9'7E±, h21km, M4.2/14, mb4.4/3, MLV4.1/14

IDC 07 03:53:09.5±1.3, 0°27'N:97°09'E, h0km, mb3.9/8, mbmtp3.9/9, ML2.4/1, MS2.9/3, Error ellipse: s-maj=43.1km s-min=19.0km az=55.0

NEIC 07 03:53:11.6±0.9, 0°26'N:0°04'97.1E±0.1, h10km±2km, mb4.6/8, Error ellipse: s-maj=20.0km s-min=6.8km az=264.0

ISC 07 03:53:13±1.2, 0.31N:0.05±97.13E±0.08, h26km±14km, n47°, ±1986/41, mb4.1/12, Northern Sumatera

Table with columns: Code, Station Name, Δ°, AZ°, Op, Phase ID, ISC, Time, Res. Includes stations like GSI Gunungsitoli, PPSI Pulau Batu, SNSI Sinabang, ACSI Cape Leeuwin, etc.

SNET 07 04:01:28.2±1.1, 13°12'N:89°29'W, h51km, ML4.4, CATAc 07 04:01:28.2±0.2, 13°12'N:89°25'W, h36km, 3km, MB4.7, mb4.7, ML4.5

NEIC 07 04:01:29.4±1.6, 13°26'N:0°09:89.17W±0.09, h76km±3km, mb4.1/18, Error ellipse: s-maj=16.2km s-min=7.6km az=223.0

IDC 07 04:01:30.3±3.1, 13°45'N:88°97'W, h84km±28km, mb3.4/5, mbmtp3.9/7, MS3.2/3, Error ellipse: s-maj=44.9km s-min=13.7km az=59.0

GCG 07 04:01:30.5±0.6, 13°24'N:89°40'W, h57km, 135km, MD4.1, ISO 07 04:01:27.3±0.6, 13°14'N:0°04:88.29W±0.03, h64km±6km, n165°, ±1933/234, mb4.1/13, El Salvador

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res. Includes stations like LALI Alcaldia de L, PANCS Alcaldia de, LFRS El Faro, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Op, Phase ID, ISC, Time, Res. Includes stations like PMON Piamonte, UDBS Universidad Do, BOOS EI Picacho, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Op, Phase ID, ISC, Time, Res. Includes stations like LFU La Fuente, SNVI San Vicente, PAVA Las Pavas, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Op, Phase ID, ISC, Time, Res. Includes stations like CEDA San Andres, UESV Universidad de, CEVE Cerro Verde, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Op, Phase ID, ISC, Time, Res. Includes stations like SBLS San Blas, SCLA Alcaldia de Sa, SCLA Alcaldia de Sa, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Op, Phase ID, ISC, Time, Res. Includes stations like UNIC Universidad Ca, NUBE Las Nubes, LOAL Lomas de Alarc, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Op, Phase ID, ISC, Time, Res. Includes stations like SLOZ Alcaldia de Sa, RANC El Ranchito, BLLM Bellamira, etc.

TRN 07 03:46:51.8, 17°58'N:62°76'W, h10km, MD3.6, East of St. Kitts, Leeward Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res. Includes stations like SKI Saint Kitts, SKOC St. Kitts, ANWB Willy Bob, etc.

7d 4h

2018 DEC

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like CAHU Cacacatuque, MTO3 Montecristo, LCND La Caada, etc.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like MAS3 Nandasmio, NANN Nandasmio, NADN Granada, etc.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like DZM Mont Dzumac, ONTNC Ouen Toro, WRA Warramunga Arr, etc.

ICD 07 04:13:45.1±1.0, 2.26N-96.16E, h0km, mb4.3/11, mbmp4.3/13, ML4.3/2, MS3.7/12, Error ellipse: s-maj=31.6km s-min=16.3km az=44.0, DJA 07 04:13:48.0±0.8, 2.26N-96.16E, h15km, M4.6/13, NEIC 07 04:13:52.1±1.3, 2.31N-100.08E-96.26E, 0.10, h37km, 10km, mb4-6/22, Error ellipse: s-maj=16.1km s-min=9.0km az=59.0

Table with columns: Name, RA, Dec, Az, El, P, S, L, R, M, etc. Includes stations like QIZ, MYLDM, SHL, PZH, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, etc. Includes stations like MARNC, ONTNC, YATNC, etc.

Table with columns: Name, RA, Dec, Az, El, P, S, L, R, M, etc. Includes stations like FORT, KNRA, FITZ, KMBL, etc.

ADC 07:04:26:24.6, 0.6, 21.90S, 169.26E, h0km, mb4.7/15, mtbpm4.6/17, ML3.9/2, MS4.1/14, Error ellipse: s-maj=19.6km s-min=17.8km s-tilt=14.0

7d 4h

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

2018 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KHC Kasperske Hory, KHC Kasperske Hory, KHC Kasperske Hory, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 07 04:36:59.0,4.0,16:53S:173:52W, h0km, mB5.0/23, mBmp5.0/25, M-LIN 3.9/1, MS4.0/34, ORC ellipse: s=16.1km s-min=12.3km az=131.0, MOS 07 04:37:00.9,1.6,16:62S:173:54W, h10km, mB5.3/20, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Canberra Magne, Canberra, Port Moresby, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like PFO, PFO PFO, PETK, L02F, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like N18K, USRK, ELK, ELK, etc.

Table with columns: Station Name, Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Yukon River, Ohwat River, Porcupine Dome, etc.

NEIC 07 05:58:15.6:1.3, 61.40N, 0.02-150.08W, 0.05, h42km, 1km, Error ellipse: s-maj=3.4km s-min=3.1km az=129.0

AEIC 07 05:58:15.6:1.2, 61.38N, 0.02-150.05W, 0.04, h41km, 3km, ML2.3, ML2.5/124(NEIC), Error ellipse: s-maj=3.4km s-min=3.0km az=195.0, Southern Alaska

Main table of station data for NEIC and AEIC events, including station names, codes, coordinates, and timing information.

Main table of station data for 2018 DEC, including station names, codes, coordinates, and timing information.

Table of station data for 7d 6h period, including station names, codes, coordinates, and timing information.

NEIC 07 06:07:17.1:1.5, 61.39N, 0.02-150.07W, 0.05, h36km, 9km, Error ellipse: s-maj=3.3km s-min=3.2km az=182.0

AEIC 07 06:07:17.1:1.5, 61.39N, 0.02-150.08W, 0.04, h26km, 7km, ML2.3, ML2.5/124(NEIC), Error ellipse: s-maj=2.8km s-min=2.6km az=198.0, Southern Alaska

Main table of station data for 7d 6h period, including station names, codes, coordinates, and timing information.

Table with columns: SKT, 6h, 0.91 311, Pn, 06 07 31.9 -2.2, etc. Lists various stations and their coordinates.

Table with columns: H26K, 1.26K, 1L6K, etc. Lists station names, codes, and coordinates.

Table with columns: ATHU, BLBC, KORT, ANTB, etc. Lists station names, codes, and coordinates.

7d 6h

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like DBIC Dimbokro, KURKB Kurchatov, WUS Wushi, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like ILAR Eielson Array, ILAR Eielson Array, MJAR Matsuhiro Arr, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like ZALV Zalesovo Beam, KDJ Kajiasy, WRA Warramunga Arr, etc.

Table with columns: BSIR, DARE, YESY, KEBE, URFA, Belisirma, Gulagac, Darende-Malaty, Yesilyurt, Keben-Mersin, Urfa. Includes numerical values and status indicators.

NEIC 07 07:19:02.2±1.4, 61.39N, 0.02±150.07W, 0.05, h38km, 4km, Error ellipse: s-maj=3.5km s-min=3.3km az=145.0

AEIC 07 07:19:02.6±1.4, 61.35N, 0.02±150.02W, 0.05, h38km, 6km, ML2.8, ML3.0/142(NEIC), Error ellipse: s-maj=3.5km s-min=3.1km az=141.0, Southern Alaska

Main table listing station data for NEIC and AEIC events. Columns include Code, Station Name, Az, Phase ID, Time, Res, ISC, Op, h, m, s, ISC. Lists stations like Fire Island, Rabbit Creek A, Susitna One, Willow, etc.

Table with columns: M18K, BPAW, N18K, Q18K, GLB, Stony River, Paw Mtn, Kilauea, Kilauea, Kilauea, Kilauea. Includes numerical values and status indicators.

NEIC 07 07:24:08.3±1.5, 61.47N, 0.02±149.90W, 0.04, h38km, 5km, Error ellipse: s-maj=3.3km s-min=2.8km az=144.0

AEIC 07 07:24:08.9±1.8, 61.45N, 0.02±149.89W, 0.04, h26km, 6km, ML2.5, ML2.7/136(NEIC), Error ellipse: s-maj=2.8km s-min=2.7km az=164.0, Southern Alaska

Main table listing station data for NEIC and AEIC events. Columns include Code, Station Name, Az, Phase ID, Time, Res, ISC, Op, h, m, s, ISC. Lists stations like Willow, Fire Island, Rabbit Creek A, etc.

NEIC 07 07:24:08.3±1.5, 61.47N, 0.02±149.90W, 0.04, h38km, 5km, Error ellipse: s-maj=3.3km s-min=2.8km az=144.0

AEIC 07 07:24:08.9±1.8, 61.45N, 0.02±149.89W, 0.04, h26km, 6km, ML2.5, ML2.7/136(NEIC), Error ellipse: s-maj=2.8km s-min=2.7km az=164.0, Southern Alaska

Main table listing station data for NEIC and AEIC events. Columns include Code, Station Name, Az, Phase ID, Time, Res, ISC, Op, h, m, s, ISC. Lists stations like Willow, Fire Island, Rabbit Creek A, etc.

Main table listing station data for NEIC and AEIC events. Columns include Code, Station Name, Az, Phase ID, Time, Res, ISC, Op, h, m, s, ISC. Lists stations like SML, CAPN, SKT, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like I23K Minto, J18K Innoko River, J25K Salcha River, etc.

Table with columns: GHO, comp=E,964nm,0.5s, IAML, 07 50 09.1, etc. Includes stations like KNK Knik Glacier, SML Sawmill, PWT Port Wells, etc.

Table with columns: SCRK, comp=E,15nm,4.9s, IAML, 07 50 09.1, etc. Includes stations like M17K Holitna River, J19K Poorman, N17K Nushagak Hills, etc.

ATH 07:07:39:48.7, 37:43N, 20:27E, h12km, 3km, ML3.7/10, Manual Solution by S.Kourtrakis First location: 2018/12/07 07:40:55, This location: 2020/06/30 06:56:00 ML

THE 07:07:39:48.9, 37:40N, 20:29E, h0km, 2km, ML3.5/9, Error ellipse: s-maj=2.5km s-min=0.7km az=234.0

ISC 07:07:39:49.1, 37:41N, 20:29E, h10km, 13km, n29, o97/48, Ionian Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KRI1 KERI, LTHK Lithakia, KYP5 Kipselli, Zakin, etc.

Table with columns: KLU, comp=N, 149nm, 0.3s, IAML, 07 50 52.6, etc. Includes stations like KLU Klutina, KLN Hinchinbrook I, DIV Divide, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KURK Kurchatov, KURBB Kurchatov Arra, KURBB Kurchatov Arra, etc.

NEIC 07:07:56:52.8, 1.5, 61:41N, 0:02:150:06W, 0:05, h44km, 3km, Error ellipse: s-maj=3.4km s-min=3.3km az=66.0

AEIC 07:07:56:53.5, 1.4, 61:38N, 0:02:150:07W, 0:05, h44km, 3km, ML2.7, ML2.9/148(NEIC), Error ellipse: s-maj=3.6km

s-min=3.2km az=203.0, Southern Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PMR Palmer, PMR Palmer, PMR Palmer, etc.

Table with columns: CHUM, comp=N, 45nm, 0.5s, IAML, 07 51 14.3, etc. Includes stations like CHUM Lake Minchumin, PPAW Bear Paw Mtn., K20K Telida, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like RC01 Rabbit Creek A, SUA Susitna One, M22K Willow, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, WRA Warramunga, FITZ Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like UPA 07:08:57:48.3,0.6,9,02N-79:21'W, PANAMA, etc.

IDC 07:09:00:55.4,0.9,8:60S-91:56E,h0km,mb4.2/12, mbtmp4.2/12,MS3.3/6,Error ellipse: s-maj=33.2km s-min=18.9km az=57.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like H0S22 Diego Garcia H, H0S21 Diego Garcia H, CMAR Chiang Mai Arr, etc.

IDC 07:09:09:21.5,2.9,0:11S-98:74E,h0km,mb3.2/3, mbtmp3.3/4,ML3.3/1,MS3.8/1,Error ellipse: s-maj=90.3km s-min=23.6km az=68.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PPSI Pulau Batu, MNSI Mandailing Nat, MNSI Sibolga, etc.

IDC 07:09:10:22.3,3.1,53:57N-87:79E,h0km,mbtmp3.1/2, ML2.1/2,1C-3D,Error ellipse: s-maj=28.2km s-min=16.3km az=54.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KURK 7.9nm,1.1s, KURBB Kurchatov Arra, etc.

OSPL 07:09:21:18.2,2.2,20:09N-73:00W,h8km,12km,ML3.6 SSNC 07:09:21:18.6,3.0,20:09N-73:03W,h20km,20km,MD3.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MASC Masc, MASC MASC, MCDR Montecristi, etc.

7d 9h

Table with columns: Call sign, Name, Frequency, Power, Mode, Azimuth, Elevation, SNR, and other parameters. Includes stations like O16K, MKAR, M16K, L16K, J17K, N17K, etc.

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Table with columns: Call sign, Name, Frequency, Power, Mode, Azimuth, Elevation, SNR, and other parameters. Includes stations like AKTO, BBB, KIRV, YKA, SPITS, etc.

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Table with columns: Call sign, Name, Frequency, Power, Mode, Azimuth, Elevation, SNR, and other parameters. Includes stations like PDAR, KNB, FCC, AKASG, RAYN, etc.

Table listing astronomical objects with columns for name, magnitude, RA, Dec, and other parameters. Includes objects like San Esteban, Mina Guanaco, Choya, Peidehue, etc.

Table listing astronomical objects with columns for name, magnitude, RA, Dec, and other parameters. Includes objects like MIAR Mount Ida, PLPT Palmito, R58B Mineral, etc.

Table listing astronomical objects with columns for name, magnitude, RA, Dec, and other parameters. Includes objects like SCHEO Schefferville, HATC Hat Creek Rad, J08A Circle Bar, etc.

Table listing astronomical objects with columns for name, magnitude, RA, Dec, and other parameters. Includes objects like SOME 07:09:46:23.8, NNC 07:09:46:24.0, etc.

7d 10h

mb3.2/15, mbtmp4.0/22, Error ellipse: s-maj=15.0km s-min=11.5km az=139.0

ISC 07 09:48:25.2, 0.7, 47.4N, 0.1, 147.51E, 0.10, h375km, n24, s=077/25, mb3.7/15, Northwest of Kuril Islands

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, ISC. Lists stations like ASAJ Asahikawa, PETK Petropavlovsk, KLR Kullur, etc.

ISC 07 09:54:47.7, 2.8, 53.72N-86.84E, h0km, mbtmp2.8/2, ML2.5/2, Error ellipse: s-maj=22.0km s-min=15.1km az=73.0, Southwestern Siberia

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, ISC. Lists stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

ISC 07 10:14:19.4, 0.8, 21.85S; 169.45E, h0km, mb4.4/9, mbtmp4.4/11, ML3.7/2, MS3.3/7, Error ellipse: s-maj=23.8km s-min=20.5km az=141.0

NEIC 07 10:14:22.3; 1.5, 21.8S; 0.1; 169.33E; 0.08, h10km, 1km, mb4.8/63, Error ellipse: s-maj=23.0km s-min=11.6km az=164.0

NOU 07 10:14:56.6; 22.19S; 166.95E, h0km, MLV2.3/5, New Caledonia

ISC 07 10:14:23.8, 0.4, 21.90S; 0.10; 169.35E; 0.07, h25km, n111, s=1923/109, mb4.8/42, MS3.2/5, 4C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, ISC. Lists stations like YATNC Mamie plateau, OUCEN Ouen Island, etc.

2018 DEC

Main table with columns: QSPA, South Pole Qui, 68.17 180 P Iamb P Iamb. Lists various seismic events with time and magnitude data.

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Table with columns: RETA, Reutte, 149.19 331 ePKP PKPab 10 34 13.4 -1.2. Lists stations and seismic data for the 560 region.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Kilae Creek, Koktuh Hills, Cape Douglas, Harding Lake, Granite Mountain, Clear Creek, Nowinta River, McCarthy VSAT, Big Mountain, Nabesna, AK, Log Cabin Wild, Tana Glacier, Holitna River, Nushagak Hills, Salcha River, Tanana, Edge Creek, Granite Creek, Itidarot, Melozitna Rive, Timber Creek, Noodor Dome, VABM Dome, Indian Mountai, Coal Creek Min, Roundabout Mou, Bananza Creek, Allakaket, Honhosa River, Anvik River, Wolf Creek Mou, Tagagawik, Shalerucik Mo, Burnt Mountain, Christian Rive, Shensjek River, Redstone River.

CATAC 07 10:29:28.2-0.6, 12.17N-88.90W, h30km, 893km, ML3.2
SNET 07 10:29:30.3-0.9, 12.45N-88.90W, h12km, 161km, ML2.5
ISC 07 10:29:28.1-3.3, 12.22N-0.1:88.88W-0.08, h13km, 20km, n20, c081/28, Off coast of central America

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Tecapa, El Rancho, San Miguel, Pacayal, Bellamira, Centro de Oper, Presa 15 de Se, Alcaldia de Sa, Copaltepe, Esquipulas, Tame, Arauca, Capacho, Pamplona, Barichara, Socov, Rusc, Ocana, Barrancabermej, Santo Domingo, PUERTO BERRIO, Zaragoza, El Baul, CAICARA DEL OR.

FLUNV 07 10:36:53.7, 7.16N-71.85W, h16km, MW3.0
RSNC 07 10:36:53.0-0.0, 7.2N-72.7W, h4km, 4km, M1.7, ML1.6
ISC 07 10:36:50.4-1.2, 7.16N-0.04:71.85W-0.03, h10km, 11km, n13, c1818/24, 2C, Venezuela

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KERI, LTHK, Kipseli, Ratzaki, Kyllini, Pessada-Kefalo, Pessada-Kefalo, Valsamata, Samh, Damouliana, Damouliana-K, VASILIKIADES, Riolos of Patr, Artemida-Makis, Fiskardo, Fiskardo, Lefkada island, Lefkada island, Dragano-Lefkad, Ithomi, Ithomi.

ATH 07 10:45:12.0, 37.59N-20.61E, h11km, 2km, ML2.9/14, Error ellipse: s-maj=2.7km s-min=1.0km az=39.0
THE 07 10:45:11.7, 37.57N-20.61E, h7km, 1km, ML2.8/8, Error ellipse: s-maj=2.0km s-min=0.7km az=55.0
ISC 07 10:45:11.5, 37.58N-0.05:20.60E-0.05, h9km, 8km, n38, c0955/57, Ionian Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KERI, LTHK, Kipseli, Ratzaki, Kyllini, Pessada-Kefalo, Valsamata, Samh, Damouliana, Damouliana-K, VASILIKIADES, Riolos of Patr, Artemida-Makis, Fiskardo, Lefkada island, Lefkada island, Dragano-Lefkad, Ithomi, Ithomi.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ITM, PYLOS, Nydri-Lefkada, Nydri-Lefkada, University Cam, Lefkada island, Lefkada island, Tsoukalades, Kalavryta, Efpalio, Goura, Ano Chora, Kalithea, Tetrakomo, Epil Makrakomi, Makr, Klokotos Trika.

HEL 07 10:58:54.3-0.3, 59.21N-27.80E, h0km, ML2.1, Suspected explosion
EST 07 10:58:54.9-0.1, 59.24N-27.75E, h0km, ML1.9(HEL), Explosion
IDC 07 10:58:57.0-2.3, 59.40N-27.79E, h0km, mbtmp3.1/4, ML2.2/3, Error ellipse: s-maj=20.4km s-min=13.8km az=118.0

LVSN 07 10:58:57.2-2.4, 59.13N-27.55E, h0km, 45km, ML2.2
ISC 07 10:58:53.8-0.9, 59.21N-0.03:27.98E-0.03, h0km, n40, c1616/64, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Vaivara Sinima, Tooma soojaam, Vasula, Arbarve, Arbarve, Virojoki, Piusa Caves, Sarghaua, Kiisa, Saku, Pernaja, Helsinki, Metsahovi, Metsahovi, Nurmiarjvi, Matsu, Matsu, Perakula, Nova, Ruokolathi, FINESS Array S, FINESS Array S, FINESS Array S, Kangasniemi, Slitere, Latvi, Keuruu, Rauma, Rauma.

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Table with 5 columns: RA, Dec, Mag, Sp, and other parameters. Rows include RA7, KPF, AAL, JOF, WAF, HFS, HFS, NOA, NOA, ARCES, etc.

ATH 07 11:06:32.2, 36:70N-26:90E, h199km, 8km, ML3.8/4, Error ellipse: s-maj=8.8km s-min=2.4km az=49.0

Table with 5 columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include NISR, KLNIA, DAT, etc.

Table with 5 columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include ARG, ARG, ARG, etc.

Table with 5 columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include KARP, KARP, KARP, etc.

Table with 5 columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include SMG, YER, YER, etc.

Table with 5 columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include THRB, APE, APE, etc.

Table with 5 columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include ESEN, ZKR, ZKR, etc.

Table with 5 columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include FETY, TAVA, TAVA, etc.

Table with 5 columns: PRNI, KPMI, KRMI, etc. Rows include PRNI, KPMI, KRMI, etc.

IDC 07 11:09:59.2, 3.5, 64:66N-31:81E, h0km, mbmp3.0/3, ML2.0/3, Error ellipse: s-maj=54.0km s-min=12.8km az=97.0

Table with 5 columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include RMF, RMF, RMF, etc.

Table with 5 columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include KU6, KU6, KU6, etc.

Table with 5 columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include OUF, OUF, OUF, etc.

Table with 5 columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include APA0, APA0, APA0, etc.

Table with 5 columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include RAUF, RAUF, RAUF, etc.

Table with 5 columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include VADS, VADS, VADS, etc.

Table with 5 columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include YATNC, YATNC, YATNC, etc.

Table with 5 columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include WBD, WBD, WBD, etc.

Table with 5 columns: PSA00, QSPA, CMAR, TROLL, SNA, etc. Rows include PSA00, QSPA, CMAR, etc.

Table with 5 columns: VNA3, VNA2, O02D, O02D, SONM, DSP, etc. Rows include VNA3, VNA2, O02D, etc.

Table with 5 columns: BMAR, BMAR, BMAR, etc. Rows include BMAR, BMAR, BMAR, etc.

IDC 07 11:14:45.0, 6.2, 171:89S-170:18E, h0km, mb4.5/14, mbmp4.5/15, ML4.9/1, MS4.2/29, Error ellipse: s-maj=19.5km s-min=15.9km az=155.0

Table with 5 columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include DZM, DZM, DZM, etc.

Table with 5 columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include DZM, DZM, DZM, etc.

Table with 5 columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include ONTC, ONTC, ONTC, etc.

Table with 5 columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include RAO, RAO, RAO, etc.

Table with 5 columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include RTZ, RTZ, RTZ, etc.

Table with 5 columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include CTAO, CTAO, CTAO, etc.

Table with columns for station name, frequency, mode, and coordinates. Includes stations like XCVM, ACIG, BHVM, COVY, BJVM, etc.

Table with columns for station name, frequency, mode, and coordinates. Includes stations like U38A, FCAR, LRAL, SDCO, HBAR, etc.

Table with columns for station name, frequency, mode, and coordinates. Includes stations like WRA, MTN, FORT, KNRA, SAUI, etc.

IDC 07 12:34:47.0:3.3, 10:97S>162.93E, h0km, mb3.7/3, s-maj=58.4km s-min=43.2km az=68.0, Bougainville-Solomon Islands region

PPE 07 12:40:24.0:4.8, 26:93S>26:66E, h2km, ML2.5 BGSJ 07 12:40:30.0:1.7, 27:03S>26:56E, h0km, 136km, ML2.5

Table with columns for station name, frequency, mode, and coordinates. Includes stations like PRYS, WDLM, HRAO, BOSB, etc.

7d 12h

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Table with columns: STATION, TIME, RES, etc. Includes stations like TNTI Ternate, KMSI Cibinong, SANI Sanana, etc.

AEIC 07 12:53:18.0, 0.6, 1.43N, 0.02, 150.01W, 0.04, h42km, 6km, ML3.2, ML3.4/192(NEIC), Error ellipse: s-maj=3.6km s-min=3.0km az=176.0

NEIC 07 12:53:17.5, 1.2, 6.1, 44N, 0.02, 150.06W, 0.02, h42km, 5km, Error ellipse: s-maj=3.5km s-min=0.4km az=202.0

IDC 07 12:53:23.7, 1.7, 1.6, 71N, 161.76W, h104km, 62km, mb3.3/3, mbtmp3.4/5, Error ellipse: s-maj=6.2km s-min=23.9km az=35.0

Main table of station data for the left column, including station names, times, and residuals.

Main table of station data for the middle column, including station names, times, and residuals.

Main table of station data for the right column, including station names, times, and residuals.

IDC 07 12:59:31.0, 4.2, 19.71S, 168.36E, h0km, mb3.8/3, mbtmp3.8/4, ML3.3/1, Error ellipse: s-maj=92.8km s-min=41.3km az=115.0, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Includes stations like DZM, STKA, WRA, ASAR, GERES.

DJA 07 13:00:08.014.0.6 N4.4 *12.5E5.1, h10km, M4.8/11, mB5.3/7, mB4.7/6, MLV4.8/11, Mw(mB)4.8/7

NEIC 07 13:00:14.2.2.5 N10.0:07.0:125.2E.0.1, h76km, 13km, mb4.2/12, Error ellipse: s-maj=39.7km

ISC 07 13:00:12.0.0.5, 5.56N, 0.005E, 125.2E.0.1, h62km, n34, c190/34, mb3.9/13, Mindanao

Main station list table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Includes stations like DAV, SGSI, MRSI, LUWI, ANPI, KKM, BKB, KAPI, TPUB, KNR, FITZ, WBO, WRAB, WRA, WB2, WRO, AS31, ASAR, KRSR, BBOO, STKA, PETK, MK31, MKAR, MKAR, KURBB, ILAR, BRTR, ARSA, MARNC, PINNC, NOUC, DVP, VLAKA, MSVF, MSVF, HNR, EIDS, URZ, CTA, RPZ, PMG, PMG, STKA, STKA, STKA.

Main station list table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Includes stations like BBOO, AS31, ASAR, ASAR, WB0, WB2, WRAB, WRA, WRA, MTN, KNR, FITZ, FITZ, BATI, MBWA, KAPI, WND, WND, MJAR, MJAR, JNU, QSPA, QSPA, ASAJ, KRSR, KRSR, PSI, USRR, PETK, CMAR, MA2, TROLL, SNA, SNA, SNA, SNA, VNA, VNA, VNA, SONM, NVAR, LPIG, TXAR, PDAR, AKAS, PVCC, PRU, EKA, RONA, CONA, CKRC, KHER, GERES, ARSA, MOA, SOKA, SOKA, KBA, LESA, MYKA, ABTA, WATA, WTTA, MOTA, SQTA, RETA, FETA, DAVA, IDC, DJA, ISC, Code, Station Name, Az, Az2, Phase ID, Time Res, ISC.

Main station list table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Includes stations like SPSI, KDI, BKSI, BBSI, BBSI, WRA, ASAR, MKAR, KURBB, NEIC, AEIC, Code, Station Name, Az, Az2, Phase ID, Time Res, ISC.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Type, and other parameters. Includes stations like K20K, M18K, N18K, etc.

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 N15K, G23K, G21K, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Type, and other parameters. Includes stations like AFI, FUTU, NIUE, etc.

7d 14h

s-min=21.8km az=159.0
NOU 07 14:03:43.3, 21.778S; 167.89E, h0km, MLV3.5/7, Loyalty Islands

ISC 07 14:03:31.4, 0.8, 21.9S; 0.1x169.1E; 0.1, h31km, n29, 0f72/29, mb4.0/3, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists various stations like MARNC, YATNC, OUCNC, etc.

IDC 07 14:04:51.4, 1.0, 3.76S; 101.30E, h0km, mb4.3/12, mbmp3.4/13, ML4.6/1, MS3.3/4, Error ellipse: s-maj=39.4km s-min=15.3km az=49.0

DJA 07 14:04:57.0, 1.2, 4.5S; 101.2E, h11km, 10km, M4.4/12, mb4.5/6, MLV4.3/12

NEIC 07 14:04:59.5, 0.7, 3.3S; 0.2x101.8E; 0.2, h37km, 6km, mb4.5/19, Error ellipse: s-maj=43.9km s-min=9.0km az=24.0

ISC 07 14:04:58.9, 0.7, 3.6S; 0.1x101.57E; 0.09, h50km, n72, 0f69/53, mb4.6/3, MS3.7/3, Southern Sumaters

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists various stations like KNSA, MNI, MNSI, etc.

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comp=Z, 3.9nm, 0.3s, baz=174, slow=5.1, SNR=21
H04N2 CROZET ISLANDS 60.46 218 T T 15 20 03.5

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists various stations like H04N1, H04N3, H04S1, etc.

IDC 07 14:07:35.0, 1.7, 11.69S; 66.11E, h0km, mb3.8/10, mbmp3.8/10, MS4.0/1, Error ellipse: s-maj=54.1km s-min=23.7km az=46.0

NEIC 07 14:07:37.5, 1.3, 11.8S; 0.1x65.56E; 0.09, h10km, 1km, mb4.9/9, Error ellipse: s-maj=24.2km s-min=9.0km az=21.0

ISC 07 14:07:35.7, 1.2, 11.9S; 0.2x65.65E; 0.2, h11km, n33, 0f146/22, mb4.1/14, MS4.0/5, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists various stations like H08S1, H08S2, H08S3, etc.

CO01 El Transito 0.86 306 fP Pn 14 08 44.8 +0.7
CO01 IAML 14 08 45.3

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists various stations like AC05, AC06, AC07, etc.

NOU 07 14:12:14.4, 2.1, 21.77S; 168.81E, h0km, MLV3.7/7, Loyalty Islands

IDC 07 14:12:20.7, 1.9, 21.51S; 168.31E, h0km, mb3.8/3, mbmp3.8/3, MS3.4/1, Error ellipse: s-maj=48.5km s-min=30.3km az=177.0

ISC 07 14:12:21.1, 2.1, 21.68S; 0.2x168.5E; 0.1, h20km, n13, 0f160/11, mb4.0/3, Loyalty Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists various stations like MARNC, YATNC, OUCNC, etc.

TAP 07 14:18:04.2, 24.23N; 121.69E, h18km, 1km, ML1.3, 1C, C, Taiwan

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists various stations like EHP, ETL, NACB, etc.

Table with columns: Station Name, Datong, NNSB, NNSB, WHF, Hehuan Shan, etc. Values include 0.34 334, 0.34 305, 0.40 258.

TAP 07:14:18:07.0,24:36N,-121:96E,h23km,1km,ML1.5,B, Taiwan

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, etc. Includes stations like Wuta, Nanau, Suao, etc.

IDD 07:14:25:18.6-1.0,2.22:21S,169:51E,h0km,mb3.9/7, mbmp3.9/8,ML3.7/1,MS3.3/1,Error ellipse: s-maj=36.6km s-min=23.7km az=6.0

ISC 07:14:25:22.3-1.0,2.22:20S,169:50E,0.1,h23km,n14, o656/14,mb4.2/10,5C,Southeast of Loyalty Islands

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, etc. Includes stations like Mont Dzumac, Waramungu Arr, etc.

IDD 07:14:32:08.4-1.8,24:08S,-169:08E,h0km,mb3.9/4, mbmp3.8/5,ML3.4/1,MS3.2/2,Error ellipse: s-maj=64.8km s-min=30.4km az=170.0,Southeast of Loyalty Islands

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, etc. Includes stations like Mont Dzumac, Waramungu Arr, etc.

HEL 07:14:35:23.6-0.1,68:16N,-33:21E,h0km,ML1.7,Explosion KOLA 07:14:35:24.0-0.3,68:13N,-33:33E,h0km,M2.5, The earthquakes of Russia in 2018. Obninsk, GS RAS, 212 p + CD-ROM, 2020.

BER 07:14:35:24.7-0.9,68:06N,-33:38E,h0km,ML1.8,Suspected explosion

ISC 07:14:35:26.9-2.8,68:20N,-32:81E,h0km,mbmp3.0/2, ML1.8/2,Error ellipse: s-maj=37.2km s-min=13.5km az=57.0

ISC 07:14:35:23.5-0.8,68:13N,-0:03:33:19E,0:04,h0km,n36, o952/60,Baltic States-Belarus-Northwestern Russia

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, etc. Includes stations like Apatity Array, etc.

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, etc. Includes stations like RAJF, Oulanka, Finland, etc.

TEH 07:14:37:40.5,34:17N,-45:58E,h10km,26km,ML2.7, ISN 07:14:37:40.1,0.7,34:21N,-45:50E,h7m,3km,ML2.8, ISC 07:14:37:40.8,1.0,34:19N,-44:45:60E,0.04,h14km,10km, n13, o684/18,Iran-Iraq border region

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, etc. Includes stations like Gilan-e-Gharb, etc.

ISC 07:14:44:26.5-3.5,8:20S,-110:84E,h0km,mb3.3/3, mbmp3.3/3,Error ellipse: s-maj=206.7km s-min=27.3km az=43.0

DJA 07:14:44:46.8-0.9,8:8S,-13:11E,1,h136km,6km,ML2.7/7, ML2.7/7

ISC 07:14:44:45.1-1.1,8:05S,-0:31:11E,0.1,h154km,8km,n6, o659/9,mb3.0/3,Jawa

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, etc. Includes stations like Pacitan, Pegerwojo, etc.

ASAR Alice Springs 26.67 128 P P 14 50 10.2 +0.4

MKAR Makanchi Array 60.35 337 P P 14 54 37.4 -0.3

ISC 07:14:50:24.8-0.8,22:14S,-169:41E,h0km,mb4.1/13, mbmp4.1/14,ML3.8/1,Error ellipse: s-maj=25.6km s-min=20.2km az=154.0

NEIC 07:14:50:28.2-1.5,22:25S,-0:1:169:34E,0:04,h10km,1km, mb4.5/13, Error ellipse: s-maj=24.3km s-min=5.9km az=177.0

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, etc. Includes stations like Mare, Loyalty, etc.

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, etc. Includes stations like NOUC, MSFV, etc.

ISC 07:14:50:46.7-0.7,22:13S,-169:29E,h0km,mb4.6/14, mbmp4.5/15,ML4.0/1,MS3.4/2,Error ellipse: s-maj=23.0km s-min=18.1km az=176.0

ISC 07:14:50:51.7-0.7,22:25S,-0:2:169:23E,0:09,h31km,n30, o1517/27,mb4.7/15,4C,Southeast of Loyalty Islands

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, etc. Includes stations like Mont Dzumac, Waramungu Arr, etc.

7d 15h

2018 DEC

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for Fire Island, Willow, Rabbit Creek A, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for Chiang Mai Arr, Makanchi Array, Kurchatov Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for Ojcow, Ostrava-Krasne, Liptovska Anna, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for STHS, KRCL, JAVC, VYHS, etc.

NEIC 07 15:19:43.9, 1.4, 61.45N, 0.03, 149.89W, 0.05, h33km, 2km, Error ellipse: s-maj=4.0km s-min=3.7km az=166.0

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for Willow, Rabbit Creek A, Willow, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for N17K, J19K, O17K, L17K, etc.

NEIC 07 15:22:58.0, 0.4, 69.59N, 0.02, 144.79W, 0.02, h10km, n233, 1529/217, mb4.1/32, MS3.4/7, Northern Alaska

7d 16h

Table with columns: CODE, STATION NAME, AZ, A-Z, Phase, ID, ISC, Time, Res. Includes entries like FINES, NOA, TORD, ARCES, KURBB, MKAR, ZALV.

ICD 07 15:34:28.5-0.8,22'11S;169.46E,h0km,mb4.3/11,
mbmp4.2/13,ML4.5/2,MS3.5/9,Error ellipse:
s-maj=24.7km,s-min=19.3km,az=149.0

NEIC 07 15:34:32.6-2.7,22'1S;0.1:169.16E:0.0,1h10km,1km,
mb4.4/14,Error ellipse: s-maj=23.7km,s-min=11.8km
az=167.0

NOU 07 15:34:49.0,21:36S;167.71E,h0km,MLV3.6/5,Loyalty
Islands

ISC 07 15:34:32.7-0.5,21:39S;0.10:169.34E:0.0,7h25km,n61,
r120/52,mb4.5/18,MS3.5/17,8C,Southeast of Loyalty
Islands

Main table for station data, columns include CODE, STATION NAME, AZ, A-Z, Phase, ID, ISC, Time, Res. Lists numerous stations like MARE, YATNC, DZM, etc.

2018 DEC

Table with columns: CODE, STATION NAME, AZ, A-Z, Phase, ID, ISC, Time, Res. Includes entries like MOTA, SOTA, RETA, FETA.

NEIC 07 15:52:44.3-1.7,10:05S;2.2:161.6E:0.1,h10km,2km,
mb4.4/17,Error ellipse: s-maj=31.8km,s-min=17.6km
az=20.0

ICD 07 15:52:46.8-0.7,10:21S;1.61:109E,h0km,mb4.2/17,
mbmp4.1/17,MS3.5/11,Error ellipse: s-maj=19.4km,
s-min=16.4km,az=91.0

ISC 07 15:52:47.1-0.9,10:18S;0.10:161.3E:0.1,h10km,n49,
r150/37,mb4.2/23,MS3.5/7,Bougainville-Solomon
Islands region

Main table for station data, columns include CODE, STATION NAME, AZ, A-Z, Phase, ID, ISC, Time, Res. Lists numerous stations like HNR, RABL, PMG, etc.

BUI 07 16:43:15.0,54:70N;168.10E,h5km,mb4.5/48,mb5.1/11,
Ms4.8/19,Ms7.4/19

ICD 07 16:43:17.0-0.5,54:85N;168.13E,h0km,mb4.3/32,
mbmp4.3/32,ML4.0/3,MS3.8/60,Error ellipse:
s-maj=15.2km,s-min=9.9km,az=162.0

NEIC 07 16:43:17.2-4.3,54:79N;0.1:168.0E:0.2,h10km,1km,
mb4.6/121,Error ellipse: s-maj=24.8km,s-min=15.1km
az=159.0

KRSC 07 16:43:17.2-2.3,54:61N;168.04E,h4km,35km,ML2.5
MOS 07 16:43:19.1-1.0,54:69N;168.08E,h32km,mb4.8/27,
MS3.9/8,Error ellipse: s-maj=5.4km,s-min=5.0km
az=130.4

GCMT 07 16:43:20.7-0.3,54:82N;0.02:168.03E:0.0,h21km,1km,
MW4.8/97,Moment Tensor Solution. s24,c29; s97,c128;
Duration: 0 Moment tensor: Scale 1018Nm; Mr=0.18s;10;
Mw=1.69s;09; Mw=1.88s;09; Mw=0.31s;15; Mw=0.69s;07;
Mw=0.43s;14; Best double couple: M1.982000:1016;
N1.913040:0000:1.1600000; N2:
q35.00000; d76.00000; l3.00000; Principal axes: T
2.1120,Plg12.0000, Azm259.0000; N -0.2560,

Plg76.0000; Azm113.0000; P -1.8510,Plg8.0000;
Azm350.0000; nsta1 refers to body waves, cutoff=40s.
nsta0 refers to surface waves, cutoff=50s. Triangular
moment-rate function

ISC 07 16:43:19.6-0.3,54:63N;0.05:168.10E:0.03,h23km,n634,
r125/580,mb4.6/127,MS3.9/66,16C-8D, Komandorsky
Islands region

Main table for station data, columns include CODE, STATION NAME, AZ, A-Z, Phase, ID, ISC, Time, Res. Lists numerous stations like BKI, KBTB, SMKR, etc.

575

Table with columns: Station, Frequency, Power, Modulation, Class, and Offset. Includes stations like UNV, KUR, M13K, etc.

2018 DEC

Table with columns: Station, Frequency, Power, Modulation, Class, and Offset. Includes stations like B18K, TTA, O18K, etc.

7d 16h

Table with columns: Station, Frequency, Power, Modulation, Class, and Offset. Includes stations like F21K, SKT, HOM, etc.

7d 16h

Table with columns: HEH, comp, Z, 24.93, 52, P, P, 16 48 41.0 +0.2, etc. Lists various stations and their coordinates and status.

2018 DEC

Table with columns: P30M, Million Dollar, 29.37, 57, P, P, 16 49 19.9 -0.7, etc. Lists various stations and their coordinates and status.

576

Table with columns: GTA, comp, Z, 250nm, 17.9s, LR, LR, 16 52 03.9, etc. Lists various stations and their coordinates and status.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like KSH, AKTO, KKAR, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like GERES, MLR, BIOA, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like ETMB, LPAZ, LPZA, etc.

IDC 07 16:47:26.4 1.2, 10'20Sx161.11E, h0km, mb3.7/6, mbmp3.7/6, MS3.3/4, Error ellipse: s-maj=30.0km s-min=23.3km, NP=2

ISC 07 16:47:35.8 1.2, 10'15S.02-160'8E.02, h67km, n10, r150'0, mb3.5/6, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, h, m, s, ISC. Includes stations like HNR, HNR, HNR, etc.

IDC 07 16:49:29.0 0.6, 10'27S.75-38W, h0km, mb4.0/10, mbmp4.0/15, ML3.7/5, MS3.3/8, Error ellipse: s-maj=18.5km s-min=12.8km az=109.0

VAO 07 16:49:31.9 3.0, 10'26S.75-48W, h10km, mb4.4, NEIC 07 16:49:31.9 3.0, 10'27S.00-75.32W, 0.07, h10km, 1km, mb4.4/17, Error ellipse: s-maj=16.6km s-min=4.9km az=135.0

ISC 07 16:49:33.1 0.5, 10'25S.005x75.39W, 0.06, h25km, n82, r181'71, mb4.2/16, MS3.3/6, Central Peru

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NNA, NNA, NNA, etc.

RSNC 07 17:00:59.8 0.0, 13'N.3x8'1W.3, h1km, 3km, M3.1, mb3.7, ML3.1, Caribbean Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PRVC, SAIC, PRVC, etc.

Table with columns: Call Sign, Name, Time, Az, P, Pn, Az, Time, Res. Includes stations like Jayapura, Waikabubak, WBSI, etc.

IDC 07 19:45:12.6z, 5.6, 6.49S, 129.67E, h0km, mb3.4/1, mbmp3.4/3, ML3.6/2, Error ellipse: s-maj=154.6km

ISC 07 19:45:27.4z, 1.1, 6.77S, 109.130E, 0.2, h146km, n10, az=8289/11, Banda Sea

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like FAKI, DRS, MTN, etc.

NEIC 07 19:51:26.4z, 1.3, 39.65N, 0.02, 98.38W, 0.07, h5km, 2km, mb_Lg2,8/19, Error ellipse: s-maj=9.8km s-min=3.0km az=72.0, Kansas

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like R32A, CBKS, K5UI, etc.

Table with columns: Call Sign, Name, Time, Az, P, Pn, Az, Time, Res. Includes stations like Franklin, Gravette, Samnorwood, etc.

NEIC 07 19:54:53.8z, 1.6, 61.36N, 0.02, 150.00W, 0.04, h37km, 7km, Error ellipse: s-maj=3.2km s-min=3.0km az=103.0

AEIC 07 19:54:54.3z, 1.2, 61.32N, 0.02, 150.01W, 0.04, h29km, 7km, ML3.5, ML3.7/158(NEIC), Error ellipse: s-maj=2.8km az=28.0

ISC 07 19:54:54.0z, 1.1, 61.35N, 0.02, 149.98W, 0.02, h34km, 2km, n172, 0.8/81/183, Southern Alaska

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like Fire Island, Rabbit Creek, Suisita One, etc.

Table with columns: Call Sign, Name, Time, Az, P, Pn, Az, Time, Res. Includes stations like Redoubt, Glacier Island, Redoubt Jeurge, etc.

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, h m s, ISC. Includes stations like HDHA Harding Lake, CRQM Cirque, RIDG Independent Ri, etc.

NEIC 07 19:55:42.9±2.2, 23°33'S; 0°08':17.9±42W; 0.07, h483km, 7km, mb4.5/36, Error ellipse: s-maj=13.4km s-min=6.2km az=215.0

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, h m s, ISC. Includes stations like MSVF Nonsavu, FUGU Fugatoga, NIUE Niue, etc.

Main table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, h m s, ISC. Includes stations like PKGZ Pakihiroa, TOGZ Tawhāreparea, TOZO Tahuroa Road, etc.

NEIC 07 20:07:30.8±1.8, 45°69'S; 0°07':77.6W; 0.2, h10km, 2km, mb4.2/4, Error ellipse: s-maj=20.1km s-min=8.3km az=296.0

GUC 07 20:07:33.5±1.1, 45°71'S; 77°18'W, h10km, ML4.2, MS4.0

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, h m s, ISC. Includes stations like ESTRE Estrella, CUUV Cuervo, USPA Espallante, etc.

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, h m s, ISC. Includes stations like AY01 comp=E,568nm,0.4s, AY03 Cochrane, GH01 Puyuhuapi, etc.

IDC 07 20:19:42.1±2.1, 17°52'S; 178°80'W, h595km, 21km, mb3.1/6, mbtmp4.07, Error ellipse: s-maj=80.3km s-min=18.1km az=149.0

ISC 07 20:19:37.5±1.5, 17°45'S; 0°06':178.8W; 0.4, h539km, n7, c0546/6, mb3.5/6, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, h m s, ISC. Includes stations like MSVF Nonsavu, STKA Stephens Creek, WRA Warramunga Arr, etc.

BUI 07 20:43:52.5±2.1, 86°S; 169°70'E, h14km, mb4.9/16, mb5.4/7, IDC 07 20:43:53.5±0.6, 21°30'S; 169°18'E, h0km, mb4.3/13, mbtmp4.3/15, ML3.9/2, MS4.0/29, Error ellipse: s-maj=22.2km s-min=18.2km az=82.0

NEIC 07 20:43:55.6±1.4, 22°01'S; 0°09':169°12E; 0.06, h10km, 1km, mb5.0/55, Error ellipse: s-maj=15.2km s-min=8.5km az=201.0

NOU 07 20:43:57.9, 21°81'S; 169°03'E, h21km, ML4.8/8, Southeast of Loyalty Islands

ISC 07 20:43:58.1±0.4, 21°92'S; 0°07':169°14E; 0.06, h31km, n180, c087/156, mb5.0/45, MS4.1/26, 22C-4D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, h m s, ISC. Includes stations like MARNC Mare, Loyalty, YATNC Mamie plateau, QUENC Owen Island, etc.

ISC 07 20:43:58.1±0.4, 21°92'S; 0°07':169°14E; 0.06, h31km, n180, c087/156, mb5.0/45, MS4.1/26, 22C-4D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, h m s, ISC. Includes stations like ARMA Armadale, RTZ Ruatuhua, MRZ Mangatainoka, etc.

ISC 07 20:43:58.1±0.4, 21°92'S; 0°07':169°14E; 0.06, h31km, n180, c087/156, mb5.0/45, MS4.1/26, 22C-4D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, h m s, ISC. Includes stations like ASAR comp=Z,2.2nm,0.7s, WRA Warramunga Arr, etc.

7d 20h

Table of astronomical observations for 7d 20h, listing station names (e.g., PSA00, NWA0), object names (e.g., Pibara Seismi, Narogin (SRO)), coordinates, and other parameters.

2018 DEC

Table of astronomical observations for 2018 DEC, listing station names (e.g., ILAR, ELK), object names (e.g., Eielson Array, Lo Mia Camp), coordinates, and other parameters.

584

Table of astronomical observations for 584, listing station names (e.g., SUR, WRA), object names (e.g., Sutherland, Warramunga Arr), coordinates, and other parameters.

ISC 07 20:55:38.8±2.1, 34.1°19N±26.19E, h0km, mb3.8/8, mbtmp3.8/13, ML3.6/4, MS2.6/1, Error ellipse: s-maj=26.9km s-min=17.6km az=2.0

ISC 07 20:55:42.4, 34.32N±26.17E, h18km, ML3.3/17 AFAD 07 20:55:43.2±0.0, 34.51N±26.50E, h6km, MK3, ML2.7

ISC 07 20:55:42.8±0.9, 34.29N±26.08E, h21km, 4km, n50, c1919/62, mb3.8/8, Crete

Table of station data for 584, listing station names, station IDs, coordinates, and other parameters.

BUJ 07:22:39:25.4, 43°82'N, 86°41'E, h10km, mb4.5/40, mB4.9/15, ML4.5/11, Ms4.5/39, Ms7.4/35

ISC 07:22:39:27.8-0.3, 43.86N-0.04, 86.46E-0.03, h30km, n314, c173/294, mb4.5/81, MS4.1/61, 27C-22D, Northern

Xinjiang

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, etc. Lists stations like Urumqi, Zaisan, Makanchi Array, etc.

Table with columns: CHMS, KURBB, KURKB, etc. Lists stations like Kurchatov Arra, Bishkek, Kashi, etc.

Table with columns: LZH, KBL, GTK, etc. Lists stations like Kabul, Tawang, New Delhi, etc.

7d 22h

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.

2018 DEC

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.

588

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.

NEIC 07 22:45:08.1 ± 1.4, 61°52'N, 02°149'W, 0.05, h37km, 7km, Error ellipse: s-maj=3.3km s-min=3.0km az=143.0

AEIC 07 22:45:08.7 ± 0.8, 61°47'N, 02°149'W, 0.05, h40km, 5km, ML2.9, ML3.1/138(NEIC), Error ellipse: s-maj=3.2km s-min=2.6km az=98.0, Southern Alaska

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

589

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, and ICD. Lists various stations like SML, SML, SML, CAPN, CAPN, STLK, STLK, SKT, SKT, CUT, CUT, PWL, PWL, SKLM, SKLM, O22K, O22K, M20K, M20K, SPU, SPU, SPCR, SPCR, SCM, SCM, SEW, SEW, WAT7, WAT7, GL1, GL1, WAT1, WAT1, M20K, M20K, RDJH, RDJH, BRLL, BRLL, BRLL, BRLL, PPLA, PPLA, FID, FID, KLU, KLU, O20K, O20K, HIN, HIN, HIN, HIN, DHY, DHY, DHY, DHY, TRF, TRF, TRF, TRF, RND, RND, HOM, HOM, DIV, DIV, CNPM, CNPM, CNPM, CNPM, IVE, IVE, L20K, L20K, KTH, KTH, KTH, KTH, ILS, ILS, LSW, LSW, M19K, M19K, M19K, M19K, EYAK, EYAK, CAST, CAST, MCK, MCK, HARP, HARP, P19K, P19K, L19K, L19K, L19K, L19K, O19K, O19K, N25K, N25K, N25K, N25K, PAX, PAX, BMRM, BMRM, CHUM, CHUM, BPAW, BPAW, K20K, K20K, K20K, K20K, SVW2, SVW2, SVW2, SVW2, GLB, GLB, GLB, GLB, N18K, N18K, O18K, O18K, VRDI, VRDI, VRDI, VRDI, SYI, SYI, SYI, SYI, Q19K, Q19K, TTA, TTA, MCARA, MCARA, L18K, L18K, CCB, CCB, L26K, L26K, L26K, L26K, COLA, COLA, PTPK, PTPK, M17K, M17K, M17K, M17K, J19K, J19K, J19K, J19K, J19K, J19K, N17K, N17K, KIAG, KIAG

2018 DEC

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, and ICD. Lists various stations like SCRK, SCRK, I23K, I23K, I23K, I23K, J18K, J18K, J18K, J18K, I21K, I21K, I21K, I21K, L17K, L17K, K17K, K17K, K17K, K17K, CTGM, CTGM, M16K, M16K, N16K, N16K, EGAK, EGAK, K15K, K15K, H17K, H17K

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, and ICD. Lists various stations like FINES, FINES, EKA, EKA, ARCES, ARCES, BVAR, BVAR, KURBB, KURBB, MKAR, MKAR, ZALV, ZALV, SCB, SCB, GUC, GUC, ISC, ISC, NOU, NOU, WEL, WEL, ISC, ISC, KRHZ, KRHZ, KRHZ, KRHZ, TSZ, TSZ, WPHZ, WPHZ, WPHZ, WPHZ, MCHZ, MCHZ, MOVZ, MOVZ, MOVZ, MOVZ, KAHZ, KAHZ, KAHZ, KAHZ, BKZ, BKZ, BKZ, BKZ, DVHZ, DVHZ, DVHZ, DVHZ, PKZ, PKZ, PKZ, PKZ, WNVZ, WNVZ, WNVZ, WNVZ, TUZV, TUZV, TUZV, TUZV, WHVZ, WHVZ, PRHZ, PRHZ, PRHZ, PRHZ, TRVZ, TRVZ, TRVZ, TRVZ, TRVZ, TRVZ, MAZV, MAZV, MAZV, MAZV, CKHZ, CKHZ, CKHZ, CKHZ, FWVZ, FWVZ, FWVZ, FWVZ, SNVZ, SNVZ, SNVZ, SNVZ, OTVZ, OTVZ, OTVZ, OTVZ, FMVZ, FMVZ, FMVZ, FMVZ, TMVZ, TMVZ, TMVZ, TMVZ, GOVZ, GOVZ, GOVZ, GOVZ, NTVZ, NTVZ, NTVZ, NTVZ, ARHZ, ARHZ, ARHZ, ARHZ, KAPV, KAPV, KAPV, KAPV, POWZ, POWZ, POWZ, POWZ, NMHZ, NMHZ, NMHZ, NMHZ, RITZ, RITZ, RITZ, RITZ, ANWZ, ANWZ, ANWZ, ANWZ, PKVZ, PKVZ, PKVZ, PKVZ, HATZ, HATZ, HATZ, HATZ, KATZ, KATZ, KATZ, KATZ, OHWZ, OHWZ, OHWZ, OHWZ, PRWZ, PRWZ, PRWZ, PRWZ, TRVZ, TRVZ, TRVZ, TRVZ, RATZ, RATZ, RATZ, RATZ, WAZ, WAZ, WAZ, WAZ, BFZ, BFZ, BFZ, BFZ, BIRZ, BIRZ, BIRZ, BIRZ, MTHZ, MTHZ, MTHZ, MTHZ, WHVZ, WHVZ, WHVZ, WHVZ, RAHZ, RAHZ, RAHZ, RAHZ, WHVZ, WHVZ, WHVZ, WHVZ, MRZ, MRZ, MRZ, MRZ

7d 23h

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Op, ISC, Time, Res, ISC. Lists various stations like TIWZ, ALRZ, WPRZ, etc.

NEIC 07 23:08:04.7z 1.6, 61.41N, 0.02E, 150.07W, 0.05, h40km, 5km, Error ellipse: s-maj=4.2km s-min=2.4km az=137.0

AEIC 07 23:08:05.3z 1.1, 61.37N, 0.02E, 150.08W, 0.05, h40km, 5km, ML2.8, ML2.9/18(NEIC), Error ellipse: s-maj=3.7km s-min=3.0km az=115.0, Southern Alaska

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Op, ISC, Time, Res, ISC. Lists stations like FIS, RC01, RC01, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Op, ISC, Time, Res, ISC. Lists stations like CUKT, M23K, SEW, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Op, ISC, Time, Res, ISC. Lists stations like MS.6/43, MS7.4/42, NIED 07 23:13:39.9, etc.

IDC 07 23:13:36.3z 0.5, 36.23N, 141.82E, h0km, mb4.4/27, mbmp4.4/32, ML-1/5, MS4, 1/45, Error ellipse: s-maj=13.9km s-min=13.2km az=122.0

MOS 07 23:13:38.0z 0.8, 36.29N, 141.75E, h22km, mb4.9/53, MS4.5/4, Error ellipse: s-maj=7.4km s-min=5.1km az=117.7

JMA 07 23:13:39.9z 0.3, 36.32N, 0.6z 14.2E, h57km, MD4.8/40, MV4.7/40, FAR E OFF IBARAKI PREF

JMA 07 23:13:39.2z 36.27N, 141.64E, h24km, mb4.8/56, mb5.3/19, Error ellipse: s-maj=10.2km s-min=10.2km az=122.0

7d 23h

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like KBL Kabul, C36M Paulatuk, ABKAR Akbulak array, etc.

2018 DEC

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like ARQ Missoula, MHTO MHTO, ALNE Al Ain, etc.

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Table with columns for station call letters, name, frequency, and other technical details. Includes stations like SPUT Wildcat Mountain, WCT Wildcat Mountain, DMTO DMTO, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DAVOX, TBI, TX31, etc.

IDC 07 23:19:41.4,0.7,4.55S,153.42E,h0km,mb4.3/16, mbmp4.3/17,ML2.4/1,MS3.4/3,Error ellipse: s-maj=25.9km s-min=14.5km az=100.0

ISC 07 23:19:54.0,6.4,7.5E,0.1,153.1E,0.1,h100km,n42, r=135/42,mb4.2/17,New Ireland region

Main table of seismic events with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PMG, WRA, ASAR, etc.

IDC 07 23:22:55.8,1.0,22.83S,170.05E,h0km,mb4.2/9, mbmp4.2/12,ML4.2/3,MS3.6/8,Error ellipse: s-maj=30.7km s-min=21.6km az=169.0

NOU 07 23:23:01.4,22.36S,169.66E,h0km,MLV4.5/6,Southeast of Loyalty Islands

NEIC 07 23:23:02.2,2.9,22.3S,0.1,169.64E,0.07,h10km,1km, mb4.5/9,Error ellipse: s-maj=19.5km s-min=11.5km az=355.0

ISC 07 23:23:00.3,0.6,22.6S,0.1,169.88E,0.07,h21km,n41, r=159/37,mb4.3/13,MS3.6/6,SC,Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like OUCEN, YATNC, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZM, DZM, MOUNT, etc.

NEIC 07 23:33:07.8,32.72N,132.48E,h31km,MW4.0,Moment Tensor Solution. s3 Moment tensor: Scale 10^15Nm; Mn:-0.64; Mw:-0.16; Ms:0.87; Mo:0.69; Mxx:0.27; Mxy:0.00;

Fault plane solution: M1:1.2000x10^15 Np1; s2:24.0000; s3:0.0000; s4:-62.0000; NP2: 0.7427,00000; s3:4.0000; s4:-142.00000;

JMA 07 23:33:07.8,0.0,32.7N,0.1,132.5E,0.1,h31km,MD3.9/40, MW4.1/40, HYUGANADA REGION

JMA Felt II J1 at HYUGANADA REGION

IDC 07 23:33:10.7,1.9,32.83N,132.43E,h68km,15km,mb3.6/11, mbmp3.9/13,MS3.2/6,Error ellipse: s-maj=19.7km s-min=14.5km az=62.0

ISC 07 23:33:06.8,1.2,32.71N,0.05,132.49E,0.04,h33km,7.7km, n47,r=111/31,mb3.9/11,MS3.2/4,2D,Shikoku

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JTO, JTO, JTO, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like USRK, USRK, USRK, etc.

NEIC 07 23:38:51.4,1.7,61.42N,0.02,149.91W,0.05,h32km,9km, Error ellipse: s-maj=3.8km s-min=2.9km az=147.0

AEIC 07 23:38:51.5,1.7,61.39N,0.03,149.94W,0.03,h42km,4km, ML2.6,ML2.8/18(NEIC),Error ellipse: s-maj=3.8km s-min=1.9km az=165.0,Southern Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like FIS, FIS, FIS, etc.

2018 DEC

7d 23h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res, ISC, h m s, ISC, h m s. Includes entries for CNPM China Poot, DIV Divide, DHY Denali Highway, etc.

ISC 07 23:44:13.1-0.8, 22.65S-170.04E, h0km, mb4.3/10, mbmp4.2/12, ML3.7/22, MS3.9/22, Error ellipse: s-maj=22.4km, s-min=21.6km, az=144.0, NOU 07 23:44:16.6, 22.56S-169.84E, h0km, MLV4.3/12, Southeast of Loyalty Islands, NEIC 07 23:44:17.3-1.2, 22.74S-0.02-169.89E, h0, h10km, 1km, mb4.6/26, Error ellipse: s-maj=11.6km s-min=3.5km az=85.0, GCMT 07 23:44:19.3-0.3, 22.49S-0.04-169.73E, 0.03, h14km, 1km, MW4.9/64, Moment Tensor Solution, s19,c21, s64,c79, Duration: 0 Moment tensor; Scale: 10^19Nm; Mr=1.80s-1.9; Mw=0.85z=15; Mw0.74z=12; Mw0.29z=33; Mw=1.69z=0.9; Mx=1.68z=36; Best double couple; M2.77100-1016; NP1=166.00000, s67.00000, a=53.00000; NP2: s283.00000, s43.00000, a=145.00000. Principal axes: T 2.7310, Plg14.0000, Azm230.0000; N 0.0750, Plg34.0000, Azm329.0000; P -2.8110, Plg53.0000, Azm120.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function, ISC 07 23:44:17.3-0.5, 22.66S-0.07x169.96E-0.06, h21km, n88, 0.097874, mb4.5/20, MS4.0/20, SC, Southeast of Loyalty Islands, Code Station Name Az Az', Phase ID, Time Res, Res, ISC, h m s, ISC, h m s. Includes entries for MARNC Mare, Loyalty, OUCNC Owen Island, YATNC Yattie, etc.

Main data table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res, ISC, h m s, ISC, h m s. Includes entries for HNR Honiara, HIZ Hauri, FUNA Funafuti, RTZ Ruatadhuna, BKZ Black Stump Fm, ARMA Armidale, TKNZ Takaka Hill, MRZ Mangatanioka R, etc.

TAP 07 23:46:23.3, 23.30N-119.82E, h16km, ML3.8, B, ISC 07 23:46:23.4-0.9, 23.30N-0.02-119.82E, 0.02, h16km, 7km, n137, 0.0970/228, 3C-22D, Taiwan region, Code Station Name Az Az', Phase ID, Time Res, Res, ISC, h m s, ISC, h m s. Includes entries for TSKC Chigu Township, TSKB Peng-hu, PHUB Penghu, etc.

Continuation of the main data table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res, ISC, h m s, ISC, h m s. Includes entries for SCLT Qimeil, VCHM Vichh, VCHM Vichh, ICHU Yijhu, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, and various station identifiers like LALU, SHUL, KMM, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, and various station identifiers like LALI, PANCS, LOMA, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, and various station identifiers like SWET, HODGE, WMOK, etc.

CATAC 07 23:50:56.9-0.3, 13.95N:91.31W, h29km, 4km, ML4.6
SNET 07 23:50:57.4-1.4, 14.07N:91.15W, h19km, 8km, ML3.8
NEIC 07 23:50:58.6-1.3, 14.12N:90.07W, 0.04, h62km, 8km,
mb4.2/92, Error ellipse: s-maj=10.3km s-min=5.7km
az=197.0

GCG 07 23:50:59.8-0.7, 14.25N:91.24W, h55km, 5km, MD4.3
IDC 07 23:51:02.9-3.1, 14.38N:90.67W, h119km, 28km, 3k, 7/8,
mbtmp4.0/10, MS3.4/12, Error ellipse: s-maj=34.3km
s-min=17.4km az=50.0

ISC 07 23:50:57.0-0.8, 14.04N:0.05:91.25W-0.04, h72km, 6km,
n181, s1941/180, mb4.2/38, 2C-4D, Guatemala

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, and various station identifiers like SULM, ESSL, GUMI, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, and various station identifiers like LALI, PANCS, LOMA, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, and various station identifiers like SWET, HODGE, WMOK, etc.

IDC 07 23:55:34.8-1.0, 12.66S:45.36E, h0km, mb4.3/5,
mbtmp4.2/6, ML3.5/1, MS3.3/2, Error ellipse: s-maj=32.3km
s-min=28.9km az=84.0

NEIC 07 23:55:36.7-0.6, 12.77S:0.10:45.5E:0.1, h10km, 2km,
mb4.6/8, Error ellipse: s-maj=18.6km s-min=16.8km
az=76.0

ISC 07 23:55:36.0-0.6, 12.74S:0.07:45.45E:0.08, h10km, 2km,
s094/25, mb4.5/8, Northwest of Madagascar

IDC 07 23:55:34.8-1.0, 12.66S:45.36E, h0km, mb4.3/5,
mbtmp4.2/6, ML3.5/1, MS3.3/2, Error ellipse: s-maj=32.3km
s-min=28.9km az=84.0

NEIC 07 23:55:36.7-0.6, 12.77S:0.10:45.5E:0.1, h10km, 2km,
mb4.6/8, Error ellipse: s-maj=18.6km s-min=16.8km
az=76.0

ISC 07 23:55:36.0-0.6, 12.74S:0.07:45.45E:0.08, h10km, 2km,
s094/25, mb4.5/8, Northwest of Madagascar

2012 DEC

Table with columns: 8bd Zomb, 10.14 254, Pn, 23 58 01.4 -0.5, PSDA Pessada-Kefalo, 1.38 220, P, Pn, 00 00 48.0 -0.1

Table with columns: PSDA Pessada-Kefalo, 1.38 220, P, Pn, 00 00 48.0 -0.1, TORO Torodi Ar. Bea, 31.39 220, P, P, 00 06 43.7 -0.1

Table with columns: TORO Torodi Ar. Bea, 31.39 220, P, P, 00 06 43.7 -0.1, BVAR Veroye Array, 35.77 51, P, P, 00 07 21.3 -0.2

IDC 08 00:00:21.2_0.10.39:17N:21.72E, h0km, mb3.8/13, mbmp3.8/17, ML3.6/4, MS3.8/2, Error ellipse: s-maj=20.4km s-min=15.5km az=146.0

ATH 08 00:00:22.79:39:19N:21.72E, h11km, ML3.6/26, Manual Solution by A. Papageorgiou. This location: 20/09/17 13:21:49 ML Amplitudes are expressed in micrometers. All distances are expressed in degrees

SOME 08 00:17:47.5, 44:58N-86:32E, h10km, NNC 08 00:17:48.1, 5.9, 44:63N-86:32E, h0km, mb3.8, mpv3.3, Error ellipse: s-maj=49.0km s-min=17.3km az=117.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, EVR Evrytania, 0.28 163, P, P, 00 00 28.9 -0.2

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, BOSS Bozhenegrad, 3.36 10, ePn, Pn, 00 01 16.2 +0.8

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, IDC 08 00:19:59.0, 1.56:45S:27:14W, h0km, mb4.1/4, mbmp4.1/5, ML3.8/1, Error ellipse: s-maj=43.1km

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, EVR Evrytania, 0.28 163, P, P, 00 00 28.9 -0.2

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, BOSS Bozhenegrad, 3.36 10, ePn, Pn, 00 01 16.2 +0.8

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, IDC 08 00:20:28.7, 0.8, 22:11S:169:47E, h0km, mb4.2/10, mbmp4.2/11, ML3.8/1, MS3.3/9, Error ellipse: s-maj=24.4km s-min=22.4km az=150.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, EVR Evrytania, 0.28 163, P, P, 00 00 28.9 -0.2

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, BOSS Bozhenegrad, 3.36 10, ePn, Pn, 00 01 16.2 +0.8

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, IDC 08 00:20:32.0, 0.8, 39:18N:01:21.71E, h0km, mb4.1/4, mbmp4.1/5, ML3.8/1, MS3.3/9, Error ellipse: s-maj=24.4km s-min=22.4km az=150.0

597

Table with columns: MTN, Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for KNRA, FAKI, FITZ, PSAO, MBWA, MORW, KAPI, VANDA, CASY, QSPA, ASAJ, KRSR, PETK, CMAR, TROLL, SNA, SNA, VNA3, VNA2, VNA1, NVAR, ILAR, ARCES, EKA, GERES, TORD, and IDC 08:00:44.36.4.3.5.21.97S:169.36E, h0km, mb3.7/3.

IDC 08:00:44.36.4.3.5.21.97S:169.36E, h0km, mb3.7/3, mbtmp3.7/4, ML3.5/1, Error ellipse: s-maj=147.5km s-min=33.6km az=161.0, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for DZM, ASAR, WRA, ILAR, and ISK 08:00:45.15.3.37.40N:35.94E, h20km, ML2.7/18.

AFAD 08:00:45.15.3.37.40N:35.94E, h7km, 3km, ML2.7
ISC 08:00:45.15.3.37.40N:35.94E, h0km, n30, n080/44, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for KOZT, ANDN, SAIM, CMRD, YAHY, KMRS, KHMR, HASA, KAHM, NIDE, SAR, TAHT, GAZ, KUZU, NIG, RHAN, GZT, BNL, GULA, DARE, KIZK, YESY, AKCD, KOKZ, KEBS, SULT, KRMM, IKL, TEVE, SJA 08:00:46:43.5.0.7.21.55S:69.97W, h63km, 6km, ML3.7, MW3.7.

GUC 08:00:46:44.1.0.9.21.55S:69.94W, h63km, 7km, ML3.7
ISC 08:00:46:44.1.0.9.21.55S:69.97W:0.06, h65km, 1.3km, n22, n102/39, 2C-6D, Northern Chile

2018 DEC

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for PB01, PB01, PB01, PB01, PB01, PB04, PB04, PB04, TA01, TA01, TA01, PB06, PB06, PB06, PB06, PB06, PB06, PB06, PB08, PB08, PB08, PB08, PB15, PB15, PB15, PB15, GO01, GO01, GO01, GO01, GO01, PB14, AP01, AP01, IDC 08:00:51:40.3.2.0.1.05S:134.37E, h0km, mb3.9/6, mbtmp3.9/8, ML3.9/2, Error ellipse: s-maj=80.4km s-min=19.5km az=61.0, DJA 08:00:51:43.6.0.7.1.5S:13.4E, h22km, 7km, M4.7/9, mb4.9/8, MLV4.6/9, IDC 08:00:51:44.2.1.1.1.12S:107.134.34E:0.08, h27km, n17, n183/24, mb4.0/6, Irian Jaya region.

IDC 08:00:51:40.3.2.0.1.05S:134.37E, h0km, mb3.9/6, mbtmp3.9/8, ML3.9/2, Error ellipse: s-maj=80.4km s-min=19.5km az=61.0

DJA 08:00:51:43.6.0.7.1.5S:13.4E, h22km, 7km, M4.7/9, mb4.9/8, MLV4.6/9

IDC 08:00:51:44.2.1.1.1.12S:107.134.34E:0.08, h27km, n17, n183/24, mb4.0/6, Irian Jaya region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for RKPI, KMPI, KMPI, FAKI, FAKI, SWI, SWI, BNDI, BNDI, BNDI, MSAI, MSAI, AAI, AAI, LBMI, LBMI, NLA, NLA, WRA, FITZ, FITZ, ASAR, CMAR, MKAR, ZALV, KURBB, BVAR, NEIC 08:00:59:50.6.1.4.1.63S:0.1x:176.3W:0.2, h595km, 6km, mb4.3/20, Error ellipse: s-maj=29.4km s-min=14.1km az=127.0, IDC 08:00:59:51.6.53.0.16.33S:176.49W, h603km, 46km, s-min=129.5km az=77.0, IDC 08:00:59:50.5.0.8.16.2S:0.1x:176.4W:0.2, h600km, n30, n093/30, mb4.2/13, Fijil Islands region.

NEIC 08:00:59:50.6.1.4.1.63S:0.1x:176.3W:0.2, h595km, 6km, mb4.3/20, Error ellipse: s-maj=29.4km s-min=14.1km az=127.0

IDC 08:00:59:51.6.53.0.16.33S:176.49W, h603km, 46km, s-min=129.5km az=77.0

IDC 08:00:59:50.5.0.8.16.2S:0.1x:176.4W:0.2, h600km, n30, n093/30, mb4.2/13, Fijil Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for FMU, MSFV, BHW, BHW, AMZC, WKZ, WKZ, ARMA, ARMA, COEN, COEN, STKA, STKA, HLK, HLK, FITZ, FITZ, ASAR, CMAR, MKAR, ZALV, KURBB, BVAR, NEIC 08:01:32:45.4.1.61.39N:0.02:150.06W:0.01, h35km, 11km, Error ellipse: s-maj=3.5km s-min=0.9km az=183.0, AEIC 08:01:32:45.9.1.3.61.39N:0.02:150.02W:0.04, h37km, 5km, ML2.6, ML2.8/129(NEIC), Error ellipse: s-maj=3.4km s-min=2.8km az=215.0, IDC 08:01:32:45.7.1.61.37N:0.03:150.05W:0.02, h36km, 1km, n91, n093/85, Southern Alaska.

NEIC 08:01:32:45.4.1.61.39N:0.02:150.06W:0.01, h35km, 11km, Error ellipse: s-maj=3.5km s-min=0.9km az=183.0

AEIC 08:01:32:45.9.1.3.61.39N:0.02:150.02W:0.04, h37km, 5km, ML2.6, ML2.8/129(NEIC), Error ellipse: s-maj=3.4km s-min=2.8km az=215.0

IDC 08:01:32:45.7.1.61.37N:0.03:150.05W:0.02, h36km, 1km, n91, n093/85, Southern Alaska

8d 1h

Table with columns: MCQ, MGRB, BBOO, WRO, WB0, WB2, WRAB, WRA, AS31, ASAR, ASAR, FORT, FORST, KNRA, KNRA, FITZ, ADK, ADK, CASY, JCC, JCC, O16K, SYI, Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for Macquarie Island, Mount Gambier, Buckleboe, Warramunga Arr, Warramunga Arr, Tennant Creek, Warramunga Arr, Kokwok River B, Alice Springs, Alice Springs, Alice Springs, Forrest, Kokwok River B, Kununurra, Fitzroy Crossi, Adak, Adak, Casy, Chernabura Is, Jacoby Creek, JCC, Shuyak Island, Shuyak Island, KSP, KSP, CHVC, CHVC, OSTC, OSTC, UPC, UPC, DPC, DPC, PVCC, PVCC, BRG, BRG, BRG, KRCL, KRCL, GOPC, PRU, PRU, HSKC, CLL, CLL, CLL, MORC, VRAC, VRAC, KRUC, KRUC, OJC, OJC, OJC, JAVC, KHC, KHC, KHC, Cesky Krumlov, Cesky Krumlov, Liptovska Anna, LANS, LANS, MODS, VYHS, VYHS, VYHS, BSD, BSD, BSD, CONA, CONA, RONA, MOA, MOA, MOA, BIOA, ARSA, ARSA, LESA, BLEU, BLEU, BLEU, DEL, DEL, DEL, WRA, WRA, ASAR, ASAR, MKAR, NEIC 08:01:06:24.7.2.6.20S:129.61E, h0km, mb3.5/1, mbtmp3.1/3, ML2.9/2, Error ellipse: s-maj=174.6km s-min=34.1km az=69.0, Banda Sea, WRA, WRA, ASAR, MKAR, NEIC 08:01:32:45.4.1.61.39N:0.02:150.06W:0.01, h35km, 11km, Error ellipse: s-maj=3.5km s-min=0.9km az=183.0, AEIC 08:01:32:45.9.1.3.61.39N:0.02:150.02W:0.04, h37km, 5km, ML2.6, ML2.8/129(NEIC), Error ellipse: s-maj=3.4km s-min=2.8km az=215.0, IDC 08:01:32:45.7.1.61.37N:0.03:150.05W:0.02, h36km, 1km, n91, n093/85, Southern Alaska.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries like FIS, RC01, SVA, M22K, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries like TTA, TTA, TTA, WRH, L18K, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries like ONAJ, ONAJ, ONAJ, JFK, etc.

IDA 08 01:39:29.6: 1.6, 9.78S; 117.90E, h0km, mb3.8/7, mbmp3.7/9, ML3.4/2, Error ellipse: s-maj=78.5km s-min=20.0km az=53.0

DJA 08 01:39:37.0: 0.9, 10.5S; 111.8E; h23km, mb4.3/18, mb4.5/6, mB6.2/1, MLV4.2/18, Mw(mB)5.9/1

ISC 08 01:39:34.8: 1.0, 9.85S; 111.18E; 0.06, h10km, n28, a120/20, mb4.0/6, Sumbawa region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries like PLAI, WBSI, WSI, BASI, etc.

JMA 08 01:52:46.2: 0.0, 35.4N; 0.1, 133.3E; 0.1, h12km, MV0.8/16, EASTERN TOTTORI PREF, Western Honshu

BUI 08 01:53:59.2: 36.96N; 141.75E, h47km, mb4.8/72, mb5.2/30, Ms4.6/58, Ms7.4/458

NIED 08 01:54:02.6: 37.03N; 141.35E, h50km, MW5.0, Moment Tensor Solution. s3 Moment tensor: Scale 10^16Nm

JMA 08 01:54:02.6: 0.1, 37.0N; 0.4, 141.3E; 0.9, h50km, 1km, Mw5.0/40, MW5.0/40, E OFF FUKUSHIMA PREF

-3.5552, Plg56.0000°, Azm136.0000°; NEIC 08 01:54:03.4, 36.90N; 141.82E, h40km, Moment Tensor Solution. Duration: 1s4 Moment tensor: Scale 10^16Nm

GCMT 08 01:54:04.6: 0.2, 37.09N; 0.1, 141.49E; 0.02, h51km, 2km, MW4.9/113, Moment Tensor Solution. s39 c52; s113, c156; Duration: 0 Moment tensor: Scale 10^16Nm

ISC 08 01:54:03.3: 0.3, 37.05N; 0.03, 141.44E; 0.04, h46km, 2km, h46km; P-P, n890, z900741, mb5.0/238, MS4.4/86, 76C-29D, Near east eastern Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries like ONAJ, ONAJ, ONAJ, JFK, etc.

8d 1h

2018 DEC

Table with columns: ZALV, comp-Z, pPcP, 02 03 56.7, LR, 02 19 58.2, etc. Lists various locations like Ampana, Kukka Creek, North Star Dit, etc.

Table with columns: D19K, Kuna River, 45.32 27 P, P, 02 02 18.3 +2.0, etc. Lists various locations like Kilaee Creek, Stony River, Talatina, etc.

Table with columns: WUS, Wushi, 47.55 295 Iamb, Iamb, 02 02 47.4, etc. Lists various locations like Anaktuvuk Pass, Ishlatitna Cre, Saty, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like PAX, BMAR, HARP, KSH, RIDG, F26K, AAK, J66L, etc.

2018 DEC

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like KPJI, YUK4, BRLS, K29M, F30M, etc.

8d 1h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like WRGLY, KIRV, SPITS, TOAD, AS31, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like KBZ Khabaz, KIV Kislovodsk, O02D Mt. Diabolo Mer, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like TPGR Topolog, ODBI Odobesti, VRI Vriociaia, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like CKRC Cesky Krumlov, CONA Conrad Observa, etc.

Table of station data for the 605 region, including columns for Code, Station Name, Azimuth, Phase, and Time/Residuals.

Table of station data for the 2018 DEC region, including columns for Code, Station Name, Azimuth, Phase, and Time/Residuals.

Table of station data for the 8d 3h region, including columns for Code, Station Name, Azimuth, Phase, and Time/Residuals.

ATH 08 03:29:14.6, 37:52N:20:61E, h12km, 3km, ML2.5/9, Manual Solution by M.Kollig First location: 2018/12/08 03:30:22, This location: 2019/02/25 07:29:49 M

Amplitudes are expressed in degrees Latitude uncertainty: 4 km; Longitude uncertainty: 4 km

THE 08 03:29:14.6, 37:50N:20:56E, h9km, 2km, ML2.8/7, Error ellipse: s-maj=2.2km s-min=0.9km az=73.0

ISC 08 03:29:14.4, 1.8, 37:50N:20:70:0.60E, 0.07, h15km, 8km, n24, c061/37, Ionian Sea

Table of station data for the 605 region, including columns for Code, Station Name, Azimuth, Phase, and Time/Residuals.

Table of station data for the 2018 DEC region, including columns for Code, Station Name, Azimuth, Phase, and Time/Residuals.

Table of station data for the 8d 3h region, including columns for Code, Station Name, Azimuth, Phase, and Time/Residuals.

SJA 08 03:31:39.4, 2.7, 24:06S:66:89W, h234km, 4km, ML4.4, MW4.2

NEIC 08 03:31:39.4, 2.7, 24:06S:66:89W, h187km, 7km, mb4.6/234, Error ellipse: s-maj=11.8km s-min=6.2km az=82.0

VAO 08 03:31:39.9, 0.5, 24:00S:66:79W, h206km, 4km, mb4.5

IDC 08 03:31:40.5, 1.5, 23:96S:66:67W, h199km, 13km, mb4.0/15, mbmp4.5/21, Error ellipse: s-maj=14.5km s-min=9.6km az=63.0

GUC 08 03:31:40.9, 0.7, 24:05S:67:17W, h231km, 13km, ML5.1

ISC 08 03:31:39.7, 0.5, 24:04S:66:87W, 0.04, h198km, 5km, n281, c138/202, mb4.6/120, 12C, Salta Province

Table of station data for the 605 region, including columns for Code, Station Name, Azimuth, Phase, and Time/Residuals.

Table of station data for the 2018 DEC region, including columns for Code, Station Name, Azimuth, Phase, and Time/Residuals.

Table of station data for the 8d 3h region, including columns for Code, Station Name, Azimuth, Phase, and Time/Residuals.

8d 3h

Table with columns: Station Name, Time, Location, and other details. Includes stations like DKS Dicks, QSPA South Pole Qui, 4R0A Maddies Statio, etc.

2018 DEC

Table with columns: Station Name, Time, Location, and other details. Includes stations like ASAR Alice Springs, ASAR Alice Springs, WRA Warramunga Arr, etc.

606

Table with columns: Station Name, Time, Location, and other details. Includes stations like FINU Finntorp, FINU Hagfors, HFS Hagfors, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res, etc. Lists stations such as SCAL, LLGN, ESQI, etc.

DJA 08 04:02:11.2.0.2.4 S.2.2.10 2E, h46km,4km, MS.0/36, mb4 0.9, mBS 5/12, MLV5.0/21, Mw(mB)5.0/12, MhwMq5.1/2, Mwq5.1/2

NEIC 08 04:02:12.1.1.7.4.08S.0.09.1.01.58E.0.08, h45km,7km, mb4.8/24, Error ellipse: s-maj=15.6km s-min=8.2km az=217.0

IDC 08 04:02:14.1.2.3.4.00S.101.66E, h67km,18km, mb4.1/18, mbmp4.4/20, MS3.5/9, Error ellipse: s-maj=26.9km s-min=9.9km az=53.0

ISC 08 04:02:10.1.0.5.4.11S.0.06.1.01.53E.0.05, h34km, n131, c146/115, mb4.7/38, MS3.6/8, 1C-1D, Southeast

Table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res, etc. Lists stations from KSI to WBSI.

Table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res, etc. Lists stations from BKSI to AKBAR.

Table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res, etc. Lists stations from ABKAR to CMAR.

Table of station data for the left column, including station names like C36M Paulutuk, P33M Teslin, R32K Eaglecrest, etc., with associated coordinates and parameters.

Table of station data for the middle column, including station names like RSSD Black Hills, OBN Obninsk, NB2 NORSTAR, etc., with associated coordinates and parameters.

Table of station data for the right column, including station names like Fire Island, Susitna One, Rabbit Creek A, etc., with associated coordinates and parameters.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BPAW, M18K, N18K, C19K, TTA, TTA, WRH, L18K, BERG, HDA, HDA, HDA, HDA, MENT, MENT, J20K, RIDG, CRQM, L26K, L26K, M17K, M17K, M17K, TGL, TGL, N17K, N17K, COLA, J19K, J19K, J19K, MLY, J18K, I23K, I23K, J25K, J25K, J25K, I21K, I21K, M27K, M27K, M27K, GRNC, GRNC, GRNC, K17K, K17K, K17K, CTGM, CTGM, CTGM, J26L, J26L, J26L, M16K, M16K, M16K, O16K, O16K, H21K, H21K, L16K, L16K, L16K, K27K, K27K, H24K, H24K, J17K, J17K, J17K, I26K, I26K, I26K, N15K, N15K, H18K, H18K, H18K, K15K, M29M, H17K, L14K, F20K, P29M, BMAR, E24K.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PLCA, PLCA, TRQA, G006, B102, B105, B105, ML02, ML02, BO02, G005, G005, BO01, BO01, BO04, BO04, LMEL, MLT13, MLT13, MT01, MT01, MT09, MT09, MT08, MT08, MT03, MT03, VA05, VA05, MT05, MT05, PLTB, PLTB, PLTB, PEL, PEL, MT02, MT02, VA03, PSAL, VA01, CPBS, ITOB, CO03, CO03, CO06, CO06, BELA, GO04, GO04, GRNC, GRNC, K17K, K17K, K17K, ITAB, ITAB, AC04, VNA1, CPUP, CPUP, CPUP, CPUP, GO03, GO03, VNA2, AC06, SNA4, SNA4, SNA4, SNA4, SNA4, TROLL, TROLL, FDPY, RPRD, PATRX, PB08, PB08, GO01, GO01, C2SB, QSPA, QSPA, QSPA, QSPA, BBSD, ELIB, LPAZ, LPAZ, LPAZ, PTBL, PTBL, BDFB, BDFB, BDFB, JANB, JANB, VILB, VILB, SNDB, ETMB, SAML, SAML, SBA, SBA, RPN, RPN, SMTA, SMTA, VANDA, VANDA, VANDA, VANDA, VANDA, NPGB, CZSB, CZSB, NBCA, ITTB, MACA, MACA, MACA, MAW.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like RCBR, RCBR, RCBR, TMAB, COHC, BOAV, BOAV, BOAV, BOAV, OTAV, OTAV, OTAV, H103A, H103A, H102S, H102S, H101N, H101N, H101N, H102N, H102N, H102N, SUP, SUP, MDR, MDR, BAUV, BAUV, SDV, SDV, BOSB, BOSB, PCRV, PCRV, LBTB, SJB, SJB, MTO3, MTO3, MTO3, DBIC, DBIC, DBIC, PETF, PPT2, PPT2, PPT2, TAOE, TAOE, TORD, TORD, TORD, TORD, TXAR, TXAR, BRDY, BRDY, TKL, TKL, ADT, ADT, WRA, WRA, BRTR, BRTR, YKA, YKA, AKAS, AKAS, HFS, HFS, FINES, FINES, ILAR, ILAR, ILAR, ARCES, ARCES, BVAR, BVAR, BVAR, KURBB, KURBB, KURBB, MKAR, MKAR, MKAR, PETK, PETK, SONM, SONM, SONM, IDC 08 05:35:58.6, IDC 08 05:36:02.3, IDC 08 05:36:02.3, DZM, DZM, DZM, MSVF, URZ, URZ, CTA, ASAR, ASAR, WRA, WRA, WRA, BATA, GSPA, GSPA, SONM, NVAR, NVAR, ILAR, ILAR, EKA, EKA, WRA, WRA.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 08 05:24:34.0, IDC 08 05:24:36.9, NEIC 08 05:24:36.9, ISC 08 05:24:35.9, Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like EFI, MG01, MG02, MG03, MG04, MG04, G009, RPN, PMSA, PMSA, PMSA, AY03, HOPE, AY01, SMAI, PLCA, PLCA, PLCA, PLCA.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PLCA, PLCA, TRQA, G006, B102, B105, B105, ML02, ML02, BO02, G005, G005, BO01, BO01, BO04, BO04, LMEL, MLT13, MLT13, MT01, MT01, MT09, MT09, MT08, MT08, MT03, MT03, VA05, VA05, MT05, MT05, PLTB, PLTB, PLTB, PEL, PEL, MT02, MT02, VA03, PSAL, VA01, CPBS, ITOB, CO03, CO03, CO06, CO06, BELA, GO04, GO04, GRNC, GRNC, K17K, K17K, K17K, ITAB, ITAB, AC04, VNA1, CPUP, CPUP, CPUP, CPUP, GO03, GO03, VNA2, AC06, SNA4, SNA4, SNA4, SNA4, SNA4, TROLL, TROLL, FDPY, RPRD, PATRX, PB08, PB08, GO01, GO01, C2SB, QSPA, QSPA, QSPA, QSPA, BBSD, ELIB, LPAZ, LPAZ, LPAZ, PTBL, PTBL, BDFB, BDFB, BDFB, JANB, JANB, VILB, VILB, SNDB, ETMB, SAML, SAML, SBA, SBA, RPN, RPN, SMTA, SMTA, VANDA, VANDA, VANDA, VANDA, VANDA, NPGB, CZSB, CZSB, NBCA, ITTB, MACA, MACA, MACA, MAW.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 08 05:35:58.6, IDC 08 05:36:02.3, IDC 08 05:36:02.3, DZM, DZM, DZM, MSVF, URZ, URZ, CTA, ASAR, ASAR, WRA, WRA, WRA, BATA, GSPA, GSPA, SONM, NVAR, NVAR, ILAR, ILAR, EKA, EKA, WRA, WRA.

Table with columns: BRLS, Borolday, 8.18 279 eP, Pg, 06 05 43.1 -2.7, etc. Includes stations like Borolday, Ortayay, Kurchatov Arra, etc.

Table with columns: KTH, comp=N,259nm,0.6s, 2.14 300, Pn, 06 12 54.3, etc. Includes stations like Farewell, AK, Iliamna Low So, etc.

Table with columns: J17K, comp=E,26nm,5.0s, IAML, 06 13 40.6, etc. Includes stations like comp=N,24nm,4.5s, IMAR, etc.

NEIC 08 06:11:51.5:0.8, 61.50N:0.02:149.89W:0.02, h38km,5km,

AEIC 08 06:12:33.6:1.3, 61.37N:0.03:149.94W:0.05, h43km,4km,

ML2.9, ML3.4/1.74(NEIC), Error ellipse: s-maj=4.0km

s-min=3.0km az=153.0, Southern Alaska

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, etc. Includes stations like Willow, Palmer, Fire Island, etc.

NEIC 08 06:12:33.6:1.3, 61.43N:0.02:150.00W:0.05, h48km,3km,

AEIC 08 06:12:33.6:1.3, 61.37N:0.03:149.94W:0.02, h53km,5km,

ML2.9, ML3.1/3.2(NEIC), Error ellipse: s-maj=4.4km

s-min=1.6km az=171.0, Southern Alaska

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, etc. Includes stations like Willow, Palmer, Fire Island, etc.

NEIC 08 06:12:33.6:1.3, 61.43N:0.02:150.00W:0.05, h48km,3km,

AEIC 08 06:12:33.6:1.3, 61.37N:0.03:149.94W:0.02, h53km,5km,

ML2.9, ML3.1/3.2(NEIC), Error ellipse: s-maj=4.4km

s-min=1.6km az=171.0, Southern Alaska

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, etc. Includes stations like Willow, Palmer, Fire Island, etc.

Table of astronomical observations for 8d 7h, listing stations like TARZ, PRGZ, MUGZ, etc., with columns for station name, coordinates, and observation details.

Table of astronomical observations for 2018 DEC, listing stations like PLCA, SHEMA, CNBA, etc., with columns for station name, coordinates, and observation details.

Table of astronomical observations for 2018 DEC, listing stations like WRA, FITZ, BATI, etc., with columns for station name, coordinates, and observation details.

Table of astronomical observations for 8d 7h, listing station names, coordinates, and observation details.

Table of astronomical observations for 2018 DEC, listing station names, coordinates, and observation details.

Table of astronomical observations for 616, listing station names, coordinates, and observation details.

8d 8h

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, and other parameters. Includes stations like Dimbokro, Boshof, Mina Array Bea, Torodi Ar, Bea, Lac du Bonnet, and Zalesovo Beam.

SJA 08:09:49.6-0.4, 22.165x72.21W, h10km, ML3.4, MW3.4
IDC 08:09:54.9-0.9, 22.865x70.78W, h0km, mb3.9/5,
mbtmp4.17, ML4.6/2, MS3.2/4, Error ellipse: s-maj=32.0km
s-min=24.7km az=65.0

NEIC 08:09:56.5-2.2, 22.11S, 0.02-71.58W, h0km, h17km, 5km,
mb4.2-1.1, Error ellipse: s-maj=11.3km s-min=1.4km
az=81.0

GUC 08:10:01.9-0.8, 21.95S, 71.34W, h22km, 5km, ML4.2
VAO 08:10:13.7-1.8, 21.61S, 70.36W, h71km, 8km, mb4.4

ISC 08:09:54.3-1.9, 22.10S, 0.03-71.47W, h0km, 0.07, h3km, 11km,
n102, e1975/100, mb4.1/8, 8C-3D, Off coast of northern Chile

Main table of station data with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, and other parameters. Lists numerous stations across Chile and other regions.

2018 DEC

Main table of station data with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, and other parameters. Lists numerous stations across Chile and other regions.

Main table of station data with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, and other parameters. Lists numerous stations across Chile and other regions.

Table of astronomical observations for the 8d 8h period. Columns include station name, code, station name, time, and other parameters. Includes stations like AKASG, AKASG, AKBB, AKBB, AK01, etc.

Table of astronomical observations for the 2018 DEC period. Columns include code, station name, time, and other parameters. Includes stations like TORO, TXAR, TXAR, TXAR, TXAR, etc.

Table of astronomical observations for the 2018 DEC period. Columns include station name, code, station name, time, and other parameters. Includes stations like WATI, WATI, WATI, WATI, WATI, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Indian Mountain, Coal Creek, Anvik River, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IVE, TRF, RND, DIV, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like K17K, L27K, BCAR, etc.

IDC 08 08:14:12.9,0.3,6,3,24S:136.34E,h0km,mb3.8/2, mbtmp3.9/3,ML3.6/1, Error ellipse: s-maj=154.2km

DJA 08 08:14:17.9,0.5,4,5,S:4.13'5E, h16km,5km,M4.3/9, mb4.4/3,MLV4.3/9

ISC 08 08:14:20.0,1.1,3,52S:08:135.06E,0.09,h25km,n8, r105/10,Irian Jaya region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KMPI, RKPI, FAKI, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KTH, CAST, N19K, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like P16K, O26M, H19K, etc.

NEIC 08 08:25:39.1,2.61,45N:0:03,150.04W,0.05,h44km,6km, Error ellipse: s-maj=4.2km s-min=3.3km az=145.0

AEIC 08 08:25:39.6,1.1,61,42N:0:03,149.99W,0.05,h42km,5km, ML3.1,ML3.3/166(NEIC), Error ellipse: s-maj=4.2km

ISC 08 08:25:39.4,1.2,61,42N:0:03,150.02W,0.03,h42km, n154,0:06/150,Stoner Alaska

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FIS, M22K, SUA, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BPW, WACK, M18K, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KSRS, SONM, CMAR, etc.

ISC 08 08:25:39.4,1.2,61,42N:0:03,150.02W,0.03,h42km, n154,0:06/150,Stoner Alaska

ISC 08 08:25:39.4,1.2,61,42N:0:03,150.02W,0.03,h42km, n154,0:06/150,Stoner Alaska

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Q19K, VRDI, WRH, etc.

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

ISC 08 08:25:39.4,1.2,61,42N:0:03,150.02W,0.03,h42km, n154,0:06/150,Stoner Alaska

ISC 08 08:25:39.4,1.2,61,42N:0:03,150.02W,0.03,h42km, n154,0:06/150,Stoner Alaska

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SML, SKLK, SKMK, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like J20K, CCB, M26K, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LCR2, ABEZ, RAZU, etc.

ISC 08 08:25:39.4,1.2,61,42N:0:03,150.02W,0.03,h42km, n154,0:06/150,Stoner Alaska

ISC 08 08:25:39.4,1.2,61,42N:0:03,150.02W,0.03,h42km, n154,0:06/150,Stoner Alaska

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WAT7, M20K, M20K, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I13K, I19K, BALM, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VERA, VTRC, VTRB, etc.

ISC 08 08:25:39.4,1.2,61,42N:0:03,150.02W,0.03,h42km, n154,0:06/150,Stoner Alaska

ISC 08 08:25:39.4,1.2,61,42N:0:03,150.02W,0.03,h42km, n154,0:06/150,Stoner Alaska

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BRSE, PPLA, FID, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I21K, P17K, POKR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IRES, ARMO, ZARE, etc.

ISC 08 08:25:39.4,1.2,61,42N:0:03,150.02W,0.03,h42km, n154,0:06/150,Stoner Alaska

ISC 08 08:25:39.4,1.2,61,42N:0:03,150.02W,0.03,h42km, n154,0:06/150,Stoner Alaska

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I20K, M27K, L17K, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VTRC, VTRB, SARCI, etc.

Table of astronomical observations with columns for object name (e.g., TRT2, BURE), coordinates, and other parameters.

ICC 08 08:53:14.0-0.9,22.11S,169.47E,h0km,mb4.2/9, mbmp3.9/11,MS3.0/1, Error ellipse: s-maj=29.5km s-min=24.3km aaz=134.0

NEIC 08 08:53:16.4-2.5,22.3S:0.1x169.4E:0.1, h10km,1km, mb4.6/12, Error ellipse: s-maj=24.1km s-min=16.6km aaz=191.0

ISC 08 08:53:17.6-0.6,22.3S:0.1x169.4E:0.1, h23km, n42, c089/33,mb4.5/15,MS3.7/9,5C,Southeast of Loyalty Islands

Table of station data with columns for Code, Station Name, Azimuth, Phase ID, and other details.

Main table of astronomical observations with columns for ILAR, object name, coordinates, and other parameters.

Table of astronomical observations with columns for DGS, object name, coordinates, and other parameters.

8d 10h

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Telida, Browne, Sparrehow, Kilae Creek, Wood River Hill, etc.

JMA 08 10:34:38.9, 0.2, 43.4N, 0.5, 145.4E, 0.8, h116km, 1km, MV2.5/37, NEMURO REGION

SKHL 08 10:34:39.0, 0.4, 43.40N, 145.40E, h115km, 6km, mb3.8/2, msh=4.7/2

ISC 08 10:34:38.1, 3.0, 43.38N, 0.08, 145.42E, 0.09, h120km, 18km, n14, a0545/25, Hokkaido region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Nemuro-Hokkai, Nemuro, Nemuro 2, etc.

2018 DEC

Main table with columns: JCH, Churui, 1.69 244, P, Pn, 10 35 08.0 +0.3, etc. Includes station names like Warramunga Arr, Alice Springs, Stephens Creek, etc.

624

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Willow, Fire Island, Susitna One, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Denali Highway, Cordova Ski Ar, and various other locations.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like SCRK, J25K, I21K, and various other locations.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like SADO, IDC, ISC, and various other locations.

8d 11h

Table with columns: Code, Station Name, Az, El, P, M, Time, Res. Includes entries like CMAR Chiang Mai Arr, PZH PanZhiHua, BVAR Borovoye Array, etc.

NEIC 08 11:11:23.7-1.4, 61.41N, 150.07W, 0.05, h44km, 6km, Error ellipse: s-maj=4.2km s-min=2.5km az=121.0, AEIC 08 11:11:23.3-1.2, 61.39N, 150.03W, 0.06, h46km, 5km, M2.9, ML3.0/152(NEIC), Error ellipse: s-maj=4.9km s-min=4.0km az=178.0

Main table for 8d 11h section, listing station codes (FIS, RC01, SUA, M22K, PMR, GHO, KNK, CAPN, etc.), station names, and various parameters.

2018 DEC

Main table for 2018 DEC section, listing station codes (DHY, N19K, KTH, CAST, etc.), station names, and various parameters.

626

Table for 626 section, listing station codes (E19K, F17K, I18K, F28M), station names, and various parameters. Includes a note about some 08 11:17:07.4 coordinates.

NEIC 08 11:18:31.1-1.1, 61.50N, 149.92W, 0.04, h41km, 5km, Error ellipse: s-maj=3.4km s-min=2.4km az=154.0, AEIC 08 11:18:31.8-1.1, 61.50N, 149.90W, 0.05, h44km, 5km, M2.4, ML2.6/132(NEIC), Error ellipse: s-maj=4.0km s-min=3.2km az=169.0, Southern Alaska

Main table for 626 section, listing station codes (M22K, PMR, HOM, CNPM, etc.), station names, and various parameters.

8d 12h

Table with columns: KLF, comp=Z,0.5nm,0.2s, MSG, 12 11 19.0, KLF, Hetta, 1.68 42, HET, HET, comp=Z,0.8nm,0.2s, HET, KALU, Kalix, 1.73 139, KALU, KIF, Kilpisjarvi, 1.82 2, KIF, KIF, comp=Z,1.4nm,0.2s, KIF, TOF, Tornio, 1.86 125, TOF, TOF, comp=Z,0.7nm,0.2s, TOF, KTK1, Kautokeino, 2.08 27, KTK1, KTK1, Rovaniemi, 2.21 103, RNF, RNF, Syolatti, Pyha, 3.09 149, OBFO, OBFO, comp=Z,0.7nm,0.2s

HEL 08 12:11:02.1-0.2,67.67N-33.80E, h0km, ML1.2, Suspected explosion, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, delta A, delta Z, Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like LVZ Lovozero, VRF Vario, OULKIF Oulanka, RAJF Raja-Jooseppi, RIIEKKI Riiekki, MAASELKA Maaselka, KMF Kaamenan, RNF Rovaniemi, RANF Ranua, RANF Ranua, KEV Kevo.

NEIC 08 12:17:53.9, 1.1, 61.48N, 0.02-150.07W, 0.04, h41km, 6km, Error ellipse: s-maj=3.9km s-min=1.8km az=148.0, AEIC 08 12:17:54.2, 1.1, 61.46N, 0.03-150.03W, 0.05, h49km, 1km, ML2.4, ML2.5/130(NEIC), Error ellipse: s-maj=3.9km s-min=3.6km az=127.0, Southern Alaska

Table with columns: Code, Station Name, delta A, delta Z, Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like M22K Willow, FIS Fire Island, SUA Susitna One, RC01 Rabbit Creek, PMR Palmer, GHO Holy Hole Cre, KNK Knik Glacier, SML Sawmill, CAPN Captain Cook N, SKT Skwentna, CUT Chulitna, SLMK Skilak Lake, SPCG Spurr Capps G, M22K Cooper Landing, SPU Mount Spurr, PWL Port Wells, CKL Chakachamna La, SPWE Spurr West, SPNN North Nagishia, SCM Sheep Creek Mo, RDT Redoubt, WAT7 Susitna Watana, GLI Glacier Island, WAT1 Susitna Watana, M20K Styx River, WAT6 Susitna Watana, RDJH Redoubt Jeurge, RDWB Redoubt West, RED Redoubt Volcan, BRLK Bradley Lake, PPLA Purkeypile, FID Port Fidalgo, M24K Tolsona, KLU Klutina, TRF Thorofore Moun, RND Reindeer, RND Redoubt West, CNPM China Foot.

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Table with columns: CNPM, Denali Highway, DHY Denali Highway, DHY, DIV Divide, L20K Farewell, AK, M19K Big River Lodg, ILSW Iliamna Southw, ILSW, KTH Kantishina Hi, KTH, KTH, CAST Castle Rocks, CAST, M19K Bonanza Creek, L19K White Mountain, L19K, K20K Telida, K20K, BPAW Bear Paw Mtn, BPAW, SVW2 Sparrevohn, SVW2, M18K Manley, M18K Kilae Creek, TTA Talatina, L18K Granite Mounta, HDA Harding Lake, HDA, J20K Nowina River, J20K Nowina River, M26K Nabesna, AK, M26K, M17K Holtina River, M17K, MLY Manley, N17K Pookang Hills, IL31, J19K Nushogan, J19K, J18K Innoko River, I23K Minto, Yukon-K, J25K Salcha River, J25K, I21K Edge Creek, AK, M27K Edge Creek, AK, M27K, K17K Iditarod, K17K, J26L Joseph Creek, M16K Timber Creek, M16K, H21K Melozitina River, O16K Kolovok River B, O16K, O16K, H24K Noodor Dome, L16K Ohwat River, L16K, J17K VABM Dome, J17K, IMAR Indian Mountai, I26K Coal Creek Min, I26K, H19K Roundabout Mou, H19K, N15K Kwethluk River, J16K Anvik River, J16K, H18K Hornhosa River, H18K, G21K Allakaket, G21K, K15K Wolf Creek Mou, H17K Granite Mounta, O16K Tagagawik, L14K Kuka Creek, J14K Narvaranak Lak, E19K Redstone River, F17K Baldwin Pennin.

DSN 08 12:22:19.1, 1.2, 28.66N, 56.90E, h10km, ML3.5/5, Error ellipse: s-maj=53.3km s-min=11.0km az=107.0, TEH 08 12:22:28.9, 28.33N, 57.11E, h8km, 47km, ML3.7, IDC 08 12:22:28.0, 4.5, 28.08N, 57.12E, h74km, 58km, mb3.5/5, mbmt3.8/6, ML3.7/1, MS3.2/1, Error ellipse: s-maj=32.2km s-min=24.0km az=145.0, OMAN 08 12:22:29.3, 0.1, 27.87N, 57.38E, h10km, mb4.2/5, m3.5/16, Error ellipse: s-maj=1.8km s-min=1.3km az=225.0, ISC 08 12:22:22.9, 1.4, 28.27N, 0.03-57.17E, 0.04, h15km, 10km, n6.0, az10.83, mb3.6/5, Southern Iran

Table with columns: Code, Station Name, delta A, delta Z, Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like KHNJ Kandhoj, IBND Bahdar-abas, IBND, GENO Geno, KYBANK Kuba, NGRM Negar Kerman, CHNM Cheshme madani, TVBK T Kerman, KHBG Koh Gabri, KRM1 Kerman Provinc, SHME Shamsh, KRII Keri, LTHK Lithakia, LTHK Lithakia, KYPS Kipseli, ZAKIN Zakin, ORTH Orthonies, ZAKY Zaky, CLEM Kyllini, Iliia, G, CLEM Patsakli, Kefa, RTZL Pessada-Kefalo, PSDA Pessada-Kefalo, PSDA Pessada-Kefalo, VLS Valsamata, VLS Valsamata, VLS Valsamata, VLS Valsamata, RLS Rioliros of Patr, RLS Rioliros of Patr, DMLN Damoulianata-K, DMLN, AMT Artemidia-Makis, AMT, AXS Araxos, AXS, DRO Drossia, FSK Fiskardo, FSK, FSK Fiskardo, PYL1 Pylios, PYL2 Ithomi, PYL2 Kinigios, PYL5 Pylios, EVGI Lefkada island, EVGI, EVGI Lefkada island, EVGI PYLOS, PYL PYLOS, NYDR Nydri-Lefkada, KLV Kalavryta, Ach, PVO Paravola, LKD2 Lefkada island, LKD2 Lefkada island, EFP Efpalio, EFP, TSUK Tsoukalades, L.

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Table with columns: SHME Shamsh, SHME, BANOM Banah, BANOM Banah, BANOM Banah, JASK Jask - Hormozg, JASK, JASK Masafi, MASAF, MADHA Madha, MADHA, MDH Madha, MDH, ZHDN Zahedan, ZHDN, UOSS Minazif, UOSS, UOSS Minazif, UOSS, NAZ Nazwa, Dubai, NAZ, NAZ Hatta, Dubai, HATD, HATD, IBAF Batfah, IBAF, ASHO Ashiyah, ASHO, ASHO Ashiyah, ASHO, FAQ Ai Faqa, Dubai, FAQ, IMEH Mehriz, IMEH, ASUD Ashush, Dub, ASUD, ASUD Ai Ashush, Dub, ASUD, NHDN Nehbandan, NHDN, BSRN Basiran, BSRN, AJN Aljan, AJN, ALNE Al Ain, ALNE, IKOO Kooshah, IKOO, NGCH Negor - Chabah, NGCH, NGCH Negor - Chabah, NGCH, HOQ Hoqain, HOQ, HOQ, TPVR Parvadeh(Tabas), TPVR, ITEX Tejag, ITEX, BIDO Bidbid, BIDO, ARQ Araqi, ARQ, WSAR Wadi Sarin, WSAR, WSAR, SMDO Samad, SMDO, TKDS Koohdasht(Taba), TKDS, AFRZ Afriz, AFRZ, IRAM Rameshah, IRAM, BSY Bisya, BSY, KLNJ Kolanjah, KLNJ, TNSJ Nاستان, TNSJ, WBK Wadi Bani Khal, WBK, JMDO Jabad Madar, JMDO, JLN Jaban Bani Buh, JLN, JLN, MHTO MHTO, MHTO, DOKA Doka, DOKA, BRTR Keskin Array B, BRTR, BVAR Borovoye Array, BVAR, MKAN Makanchi Array, MKAN, ZALV Zalesovo Beam, ZALV, FINES FINESS Array B, FINES, TORD Torodi Ar. Bea, TORD, THE 08 12:28:01.1, 37.56N-20.76E, h8km, 2km, ML3.0/6, Error ellipse: s-maj=2.4km s-min=0.9km az=55.0, ATH 08 12:28:01.9, 37.63N-20.82E, h10km, 3km, ML2.8/13, Manual Solution by N.Liadopoulos First location: 2018/12/08 12:28:50, This location: 2019/02/28 19:48:44, ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 3 km, Longitude uncertainty: 2 km, n38.40848/55, Ionian Sea

8d 13h

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like MARE, PINNAC, YATNC, etc.

DJA 08 13:09:39.4, 0.8, 0.2, 12.4E, h37km, 18km, M4.2/22, mb4.4/8, mB5.1/2, MLV4.1/22, Mw(mB)4.5/2, Southern Molucca Sea

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like KMSI, LUWI, SANI, etc.

IDC 08 13:24:31.4, 19.0, 6.03S, 127.78E, h403km, 264km, mb2.9/1, mbmp3.7/3, Error ellipse: s-maj=134.4km, s-min=95.8km az=88.0, Banda Sea

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like WRA, ASAR, MKAR, etc.

TAP 08 13:33:33.3, 24.37N, 121.89E, h27km, ML2.4, 2C-3D, B, Taiwan

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like EWUT, EAHA, ENA, etc.

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Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like SX11, NFF, KSHI, etc.

TAP 08 13:33:49.3, 24.36N, 121.95E, h18km, 1km, ML2.2, B, Taiwan

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like EWUT, EAHA, ENA, etc.

DJA 08 13:40:59.7, 0.3, 8.7S, 3.12E, h160km, 12km, M4.6/16, mb4.5/12, mB5.4/7, MLV4.5/16, Mw(mB)4.8/7

IDC 08 13:41:00.5, 5.1, 7.82S, 128.55E, h164km, 57km, mb3.6/7, mbtmp4.1/11, Error ellipse: s-maj=55.9km s-min=25.0km az=40.0

IDC 08 13:41:00.3, 0.6, 7.63S, 0.06, 128.41E, 0.06, h150km, n48, r165/51, mb3.8/7, Banda Sea

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like BNDI, ENA, EAHA, etc.

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Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like PETK, MKAR, ZALV, etc.

IDC 08 13:47:50.4, 1.6, 22.64S, 168.94E, h0km, mb3.7/4, mbtmp3.7/4, MS3.8/1, Error ellipse: s-maj=53.3km, s-min=36.2km az=176.0, New Caledonia

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like DZM, ASAR, WRA, etc.

SOME 08 13:54:14.7, 40.92N, 78.68E, h10km, KRNET 08 13:54:16.0, 0.1, 40.98N, 78.69E, h16km, mb3.3, NNC 08 13:54:18.3, 0.9, 41.03N, 78.63E, h0km, mb4.0, mpv3.7, Error ellipse: s-maj=6.7km s-min=5.1km az=158.0

IDC 08 13:54:20.8, 1.7, 41.09N, 0.07, 78.59E, 0.05, h10km, n72, r15/104, 27C-11, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like PRZ, KRJ, ANVS, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time Res, ISC. Rows include stations like Montecristo, La Laguna, Las Pavas, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time Res, ISC. Rows include stations like Mount Spurr, Redoubt West, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time Res, ISC. Rows include stations like Collette, KAHG, MLY, etc.

IDC 08 14:28:41.3±1.6, 61.43N; 150.86W, h46km±18km, mb3.1/2, mbmp3.2/6, ML3.2/4, Error ellipse: s-maj=37.2km

NEIC 08 14:28:43.6±1.0, 61.40N; 0.03; 150.04W; 0.06, h47km±4km, Error ellipse: s-maj=5.0km s-min=3.7km az=160.0

AEIC 08 14:28:44.3±1.0, 61.37N; 0.03; 150.06W; 0.06, h44km±4km, ML3.3, ML3.4/186(NEIC), Error ellipse: s-maj=5.1km

ISC 08 14:28:43.7±0.9, 61.38N; 0.03; 150.07W; 0.03, h42km±1, n165, c0876/142, Southern Alaska

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time Res, ISC. Rows include stations like Fire Island, Rabbit Creek A, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time Res, ISC. Rows include stations like Gilahina Butte, Shuyak Island, etc.

NEIC 08 14:42:48.7±1.3, 61.38N; 0.03; 150.03W; 0.05, h44km±5km, Error ellipse: s-maj=4.5km s-min=3.2km az=192.0

AEIC 08 14:42:49.0±1.1, 61.36N; 0.03; 150.00W; 0.07, h42km±5km, ML2.9, ML3.0/160(NEIC), Error ellipse: s-maj=5.2km

s-min=4.7km az=119.0, Southern Alaska

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time Res, ISC. Rows include stations like Fire Island, Rabbit Creek A, etc.

RSNC 08 15:39:02.6, 0.13 N, 108°17'W, h2km, 2km, M2.8, mb4.2, M2.8, Caribbean Sea

CATAC 08 15:45:34.7, 1.0, 121°56'N-88°01'W, h28km, 6km, ML3.2

CSGN Cosiguina Volc 0.70 47 i P ISC

LCND La Caada 0.84 13 e P IAML

TECA Tecapa 1.08 338 e P IAML

POSS Presa 15 de Se 1.22 338 e P IAML

SCLA Alcaldia de Sa 1.36 333 e P IAML

MOMN Momotombo 1.51 93 i P IAML

RCVN Varilla2 2.14 59 i P IAML

RCPN Sur Rio San Ju 2.20 62 i P IAML

IDC 08 15:49:53.3, 3.3, 6.37S-147°86E, h46km, 25km, mb3.8/2, mbmtpp4.1/4, ML2.0/1, MS3.4/8, Error ellipse: s-maj=38.2km s-min=18.9km az=130.0, Eastern New Guinea region

PMG Port Moresby 3.09 193 P P ISC

CTA Charters Tower 13.72 186 LR LR

WRA Warramunga Arr 18.82 223 P P

FNO Franklin 1.63 136 Pn Pn

DJA 08 15:59:31.5, 1.1, 9°S, 4°E, h34km, 23km, M4.0/20, mb4.5/6, MLV3.8/20, South of Jawa

UGM Wanagama 1.48 23 P P ISC

NEIC 08 16:04:11.7, 1.1, 61°15'N, 103°14'W, h47km, 6km, ML2.5, ML2.6/11(NEIC), Error ellipse: s-maj=5.3km s-min=3.4km az=136.0, Southern Alaska

M22K Willow 0.28 333 Op ISC

SUA Suitina One 0.43 264 Pn Pn

CUT Chulitna 0.92 348 Pn Pn

CAPN Captain Cook N 0.97 221 Pn Pn

M20K M20K 1.60 285 IAML IAML

RDJ Redoubt 1.70 239 Pn Pn

TRF Thorofare Moun 1.96 354 IAML IAML

RND Reindeer 1.96 123 Pn Pn

L20K Castle Rocks 2.13 299 Pn Pn

CCB Clear Creek Bu 3.29 16 Pn Pn

L18K Granite Mounta 3.31 285 Pn Pn

J20K Granite Mounta 3.32 326 IAML IAML

M17K Holitna River 3.64 272 Pn Pn

H21K Melozitna River 4.37 344 Pn Pn

O16K Kokwok River B 4.50 248 Pn Pn

J17K VABM Dome 4.68 298 Pn Pn

H19K Roundabout Mou 5.00 327 Pn Pn

H18K Honhosa River 5.29 317 Pn Pn

H18K Anvik River 5.30 294 Pn Pn

K15K Wolf Creek Mou 5.57 283 Pn Pn

H17K Granite Mounta 5.70 312 Pn Pn

G18K Tagagawik 5.88 322 Pn Pn

W20K Tsauling 0.05 214 Op ISC

W20K Gukeng 0.14 289 Pn Pn

Table with columns: Station Name, Frequency, Mode, and other technical details. Includes stations like YULB, WANRONG, YULI, FENGLIN TOWNSH, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other technical details. Includes stations like FUSHANZHUYUYA, NEICHENG, ZHONGLI, etc.

Table with columns: Station Name, Frequency, Mode, and other technical details. Includes stations like BO04, MT01, MT01, etc.

IDC 08 16:33:46.0,5.5,16.54N-98:44W,h0km,mb3.4/3, mbmp3.4/6,ML3.3/3,MS2.5/2, Error ellipse: s-maj=107.0km s-min=27.4km az=17.0

ISC 08 16:33:38.1,1.6,16.11N-00:05:98.86W,0.02,h4km,10km, n62,e332/97,mb3.5/3,Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include CRIG Cruz Grande, PNIG Pinotepa, DAIG Los Arroyos, etc.

IDC 08 16:36:13.8,1.2,61.45N-150:37W,h47km,12km,mb3.6/13, mbmp3.8/18,ML3.6/5,MS3.2/6, Error ellipse: s-maj=14.8km s-min=8.7km az=106.0

NEIC 08 16:36:14.9,1.1,61.49N,0.03:149:90W,0.03,h45km,6km, Error ellipse: s-maj=4.1km s-min=1.9km az=184.0

AEIC 08 16:36:15.6,1.3,61.47N,0.03:149:92W,0.05,h30km,7km, ML3.9,mb4.1/10(NEIC),ML4.1/15(AEIC), Error ellipse: s-maj=4.2km s-min=3.4km az=132.0

ISC 08 16:36:14.4,0.6,61.146N,0.03:149:93W,0.03,h48km,5km, n216,e191/207,mb3.9/18,MS3.2/4,Southern Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include M22K Willow, M22K Willow, M22K Willow, etc.

Main table with columns: FIS, comp=N,15um,0.6s, IAML, 16 36 35.3, etc. Rows include RC01 Rabbit Creek A, RC01 Rabbit Creek A, RC01 Rabbit Creek A, etc.

Main table with columns: CNPM, comp=E,2um,0.6s, IAML, 16 37 16.6, etc. Rows include CNPM, IVE KTH, IVE KTH, etc.

Table with columns: GRNC, Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details for various stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details for various stations, including a header for 'GSPA South Pole Qui'.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details for various stations, including a header for 'n88, c099/92, Northern Alaska'.

Table with 3 columns: Call sign, Frequency/Time, and various status indicators. Rows include call signs like FAKI, MTN, HYB, NWAOW, etc., and frequencies like 30.65, 30.67, 30.79, etc.

Table with 3 columns: Call sign, Frequency/Time, and various status indicators. Rows include call signs like QLP, STKA, STKA, STKA, etc., and frequencies like 46.83, 46.99, 46.99, etc.

Table with 3 columns: Call sign, Frequency/Time, and various status indicators. Rows include call signs like MK31, MK31, MKAR, MKAR, etc., and frequencies like 52.90, 52.90, 52.90, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like Yakutsk, Guroymak-BITLI, Mawson, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like Galich'ya Gora, Simferopol', TIxi, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like Suwalki, FINESS Array B, STHS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include FCAR Ozark Folk Cen, LCAR Lake Charles, MIAR Mount Ida, etc.

JMA 08 17:55:45.5±0.2, 35°8'N±0.5, 140°7'E±0.8, h49km±1km, MV3.0/40, NEAR CHOSHI CITY, JMA Felt J1 at NEAR CHOSHI CITY.

IDC 08 17:55:48.7±2.9, 35°73'N±1.0, 140°57'E±0.7, h70km±23km, mb3.4/8, mbtmp3.7/10, MS3.2/1, Error ellipse: s-maj=37.6km, s-min=12.4km az=74.0

ISC 08 17:55:46.6±1.0, 35°78'N±0.4, 140°69'E±0.9, h49km±7km, n23.1±18/26, mb3.7/8, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include JHU Itakohinouch, JIHO Hitachi, JIHT Hito, etc.

NEIC 08 18:20:48.4±1.2, 61°43'N±0.02, 150°08'W±0.05, h46km±5km, Error ellipse: s-maj=3.9km s-min=2.9km az=124.0

AEIC 08 18:20:49.5±1.2, 61°42'N±0.03, 150°06'W±0.05, h38km±5km, ML2.4, ML2.6/126(NEIC), Error ellipse: s-maj=3.9km s-min=3.1km az=173.0, Southern Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include FIS Fire Island, SIA Susitna One, M22K Willow, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include SPCG Spurr Capps Gl, SPU Mount Spurr, SPU comp=N, 158nm, 0.3s, etc.

RDT Redoubt, WAT7 Susitna Watana, GLI Glacier Island, etc.

M20K Styx River, M20K comp=E, 38nm, 0.9s, M20K comp=N, 40nm, 1.0s, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include RDUK Redoubt, WAT1 Susitna Watana, WAT5 Susitna Watana, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include mbtmp3.8/16, ML3.2/4, Error ellipse: s-maj=21.1km, s-min=9.4km az=108.0, etc.

NEIC 08 18:23:21.9±0.8, 61°48'N±0.02, 149°90'W±0.05, h46km±2km, mb5.1/30, ML3.9/164, ML3.7(AEIC), Error ellipse: s-maj=3.6km s-min=3.0km az=161.0, preliminary

AEIC 08 18:23:22.8±0.9, 61°47'N±0.02, 149°91'W±0.05, h36km±5km, Error ellipse: s-maj=3.2km s-min=2.7km az=117.0, preliminary

ISC 08 18:23:20.9±0.7, 61°49'N±0.02, 149°91'W±0.02, h48km±5km, n179.±130/188, mb3.9/12, Southern Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include M22K Willow, M22K Willow, M22K Willow, etc.

IDC 08 18:23:21.3±1.5, 61°53'N±150°21'W, h52km±15km, mb3.6/12

8d 18h

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, Power, SNR, etc. Includes stations like Denali Highway, Reindeer, Hinchinbrook I, etc.

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Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, Power, SNR, etc. Includes stations like Kodiak Island, Kivichak River, Granite Creek, etc.

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Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, Power, SNR, etc. Includes stations like IDC 08 18:51:47.5, DZM, CTA, WRA, ASAR, GSPA, NVAR, etc.

Main table containing station call signs (e.g., VLI, GCAM, DB3), frequencies, and other technical details. The table is organized in columns and rows, with some entries spanning multiple rows.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like Minsk, Novokhopovsk, TNS, GTTG, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like ARTI, SVE, APA, SIMJ, MBAR, etc.

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

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

8d 20h

Table with columns: Station Name, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Station Name, Elevation, Azimuth, Distance, Azimuth Error, Distance Error. Includes stations like Wood River Hill, Granite Mounta, NEA2, MENT, MCARH, HDA, HDA, RIDG, CRQM, J20K, CCB, M26K, M26K, TGL, TGL, TGL, L26K, M17K, N17K, N17K, KAHC, COLA, KAHC, J19K, MLY, IL31, ILAR, ILAR, BALM, KIAG, J18K, KDAK, KDAK, KDAK, KDAK, I23K, I23K, I23K, O17K, SCRK, SCRK, P17K, KAKN, L17K, GRNC, GRNC, ACHA, L27K, L27K, BCAR, CTGM, CTGM, CTGM, CNTC, J26L, J26L, J26L, M16K, M16K, M16K, N16K, O16K, O16K, LOGN, LOGN, LOGN, L16K, L16K, K27K, K27K, H24K, P16K, PRP, PRP, J17K, J17K, O28M, PLK4, IMAA, I26K, N15K, N15K, N15K, M15K, J16K, O15K, H18K, H18K, L15K, K15K, M14K, O14K.

2018 DEC

Table with columns: Station Name, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Station Name, Elevation, Azimuth, Distance, Azimuth Error, Distance Error. Includes stations like L14K, H27K, H16K, J14K, G27K, K13K, H31M, E29M, INK, A36M, YKA, NVAR, PDAR, ULM, BVAR, MKAR, AKASG, NEIC 08 20:15:18.0, AEIC 08 20:15:18.5, Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like M22K, PMR, FIS, FIS, SUA, RC01, RC01, RC01, GHO, GHO, GHO, SML, SML, SKT, SKT, SKT, CUT, CUT, CUT, STLK, STLK, CAPN, PWP, SLKM, SLKM, SPU, SPU, SCM, SCW, WAT7, GLI, GLI, M20K, M20K, M20K, RDW, PPLA, BRD, BRK, BRK, BRK, FID, FID, FID, M24K, KLU, KLU, KLU, O20K, TRF, TRF, TRF, DHY, RND, HIN, HIN, HIN, DIV, HOM, CNPM, CNPM, KTH, KTH, KTH, CAST, CAST, CAST, M19K, M19K, M19K.

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Table with columns: Station Name, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Station Name, Elevation, Azimuth, Distance, Azimuth Error, Distance Error. Includes stations like ILSW, EYAK, MCK, MCK, N19K, N19K, HARP, L19K, L19K, P19K, P19K, P19K, O19K, O19K, O19K, N25K, N25K, N25K, BPAW, WACK, K20K, K20K, K20K, M18K, GLB, GLB, GLB, GLB, O18K, O18K, WRH, VRDI, VRDI, NEA2, Q19K, TTA, TTA, HDA, HDA, CCB, MCAR, J20K, J20K, J20K, TGL, TGL, IL31, MLY, M17K, M17K, M17K, I23K, I23K, I23K, N17K, N17K, J18K, J18K, J18K, L17K, K17K, K17K, H21K, M16K, M16K, M16K, M16K, LTHK, LTHK, KR1, KR1, KYPS, ORTH, ORTH, CLEM, CLEM, RTZL, RTZL, PSDA, PSDA, PSDA, VLS, VLS, VLS, VLS, SMHA, SMHA, DMLN, DMLN, DMLN, RLS, RLS, RLS, RLS, AXS, VSK1, FSK, FSK, FSK, AMT, AMT, DRO, DRO, DRO, EVGI, EVGI, EVGI, NYDR, NYDR, ITM.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like LK2D, LK2D, Paravola, PVO, PVL, PYLOS, etc.

IDD 08 20:24:50.1±0.9, 22.21S:169.14E, h0km, mb4.0/9, mblmp4.0/10, ML3.3/1, MS3.4/5, Error ellipse: s-maj=28.1km s-min=21.9km az=171.0, NEIC 08 20:24:50.5±0.6, 22.1S:0.2:169.36E:0.08, h10km, 1km, mb4.5/7, Error ellipse: s-maj=29.0km s-min=11.9km az=347.0, NOU 08 20:25:16.0, 22.05S:167.50E, h0km, MLV3.2/7, New Caledonia

ISC 08 20:24:54.7±0.7, 22.1S:0.1:169.20E:0.08, h31km, n44, e114/35, mb4.3/12, MS3.3/4, 3C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like MARNC, YATNC, WATNC, QUENC, DZM, etc.

IDD 08 20:26:33.2±2.6, 20.81S:179.91E, h0km, mb3.9/3, mblmp3.9/3, Error ellipse: s-maj=175.6km s-min=30.7km az=158.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like AS31, ASAR, WBA, WBO, WRA, etc.

IDD 08 20:38:12.0±6.9, 6.85S:129.76E, h67km, 65km, mb3.5/7, mblmp3.9/10, ML4.2/3, Error ellipse: s-maj=77.3km s-min=20.8km az=54.0, ISC 08 20:38:19.2±0.9, 7.25S:0.1:129.4E:0.1, h139km, n16, e1507/13, mb3.7/7, Banda Sea

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like DRB, SOEI, MTN, KDU, BATI, etc.

GCG 08 20:24:51.0±2.0, 12.31N:90.33W, h24km, MD3.7, CATAC 08 20:25:07.4±0.8, 13.54N:90.42W, h26km, 6km, ML3.6, SNET 08 20:25:08.3±0.8, 13.47N:90.32W, h26km, 4km, ML3.4, ISC 08 20:25:05.2±1.9, 13.42N:0.09, 90.50W±0.04, h23km±15km, n35, e066/55, Near coast of Guatemala

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like SLOZ, CELOZ, Cerro Verde, etc.

IDD 08 20:26:33.2±2.6, 20.81S:179.91E, h0km, mb3.9/3, mblmp3.9/3, Error ellipse: s-maj=175.6km s-min=30.7km az=158.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like ASAR, WRA, TXAR, EKA, BRTR, etc.

IDD 08 20:38:12.0±6.9, 6.85S:129.76E, h67km, 65km, mb3.5/7, mblmp3.9/10, ML4.2/3, Error ellipse: s-maj=77.3km s-min=20.8km az=54.0, ISC 08 20:38:19.2±0.9, 7.25S:0.1:129.4E:0.1, h139km, n16, e1507/13, mb3.7/7, Banda Sea

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like DRB, SOEI, MTN, KDU, BATI, etc.

CNRM 08 20:49:26.1, 36.56N:7.55W, h7km, MDD 08 20:49:28.2±1.1, 36.63N:7.62W, h14km±5km, mb_Lg2.1/6, Error ellipse: s-maj=7.7km s-min=4.6km az=10.0, SFS 08 20:49:29.0, 36.58N:7.72W, h27km, ML1.9/10, ML2.6/7, MLV1.6/10

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like CNRM, MDD, SFS, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like PVAQ, Vaqueiros, PVAQ, etc.

NNC 08 20:59:24.5±6.6, 36.32N:70.88E, h186km±110km, mb2.6, mpv3.7, 2C-1D, Error ellipse: s-maj=84.8km s-min=32.3km az=36.0, Hindu Kush region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like KK31, KK31, TKM2, etc.

TRN 08 21:04:47.5±15.32N:60.93W, h31km, MD3.6, East of Dominica, Leeward Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like DSLB, DSLB, ILAM, etc.

IDD 08 21:09:20.3±0.7, 5.89S:151.39E, h0km, mb4.1/12, mblmp4.1/13, ML3.2/1, MS3.5/7, Error ellipse: s-maj=32.1km s-min=16.3km az=110.0, NEIC 08 21:09:22.7±2.2, 6.02S:0.07:151.38E:0.09, h10km±1km, mb4.7/21, Error ellipse: s-maj=17.3km s-min=9.7km az=118.0, ISC 08 21:09:26.8±0.4, 5.96S:0.06:151.30E:0.07, h41km, n71, e131/62, mb4.3/21, MS3.5/14, New Britain region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like RABL, RABL, PMG, etc.

Table of station data for the 8d 22h section, including columns for Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various flags.

Table of station data for the 2018 DEC section, including columns for Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various flags.

RSNC 08 22:12:01.1±1.3'N;7°8'30''W, h10km, mb2.0, M3.2, mb4.0, ML2.8, South of Panama. Table listing station details for this event.

NOU 08 22:33:49.2, 21.65S; 169.84E, h0km, MLV3.5/5, Southeast of Loyalty Islands. Table listing station details for this event.

NEIC 08 21:55:29.9, 1.2, 9.8S; 0.1, 111.4E; 0.1, h10km, mb4.3/7, Error ellipse: s-maj=23.1km s-min=11.1km az=227.0. Table listing station details for this event.

NEIC 08 22:40:46.8, 1.0, 61.50N; 0.02, 149.90W; 0.02, h39km, 4km, Error ellipse: s-maj=3.2km s-min=1.3km az=159.0. Table listing station details for this event.

NEIC 08 22:40:46.8, 1.0, 61.50N; 0.02, 149.90W; 0.02, h39km, 4km, Error ellipse: s-maj=3.2km s-min=1.3km az=159.0. Table listing station details for this event.

NEIC 08 22:40:46.8, 1.0, 61.50N; 0.02, 149.90W; 0.02, h39km, 4km, Error ellipse: s-maj=3.2km s-min=1.3km az=159.0. Table listing station details for this event.

8d 23h

Table with columns: KAN01, Argonia South, 0.92 347, Pg, 22 53 53.2 -0.2, IAML, 22 54 08.3, etc.

IDC 08 23:04:25.3i.3.9, 36.20Nk:70.62E, h168km, 34km, mb3.6/16, mbmp3.4/9, ML3.0/3, Error ellipse: s-maj=23.3km s-min=13.6km az=19.0

MOS 08 23:04:28.2i.0.9, 36.47Nk:70.61E, h202km, mb4.0/10, Error ellipse: s-maj=9.9km s-min=4.7km az=81.1

NEIC 08 23:04:29.8i.2.5, 36.47Nk:0.03:70.52E:0.08, h200km, 8km, mb4.2/18, Error ellipse: s-maj=9.6km s-min=2.1km az=62.0, preliminary

NNC 08 23:04:33.9i.2.6, 36.91Nk:70.64E, h203km, 23km, mb3.5, mpv4.7, Error ellipse: s-maj=26.4km s-min=12.5km az=31.0

ISC 08 23:04:29.1i.0.4, 36.43Nk:0.04:70.73E:0.05, h204km, m132, s173/141, mb4.0/27, 9C-6D, Hindu Kush region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, KBL, Kabul, 2.33 217, Op, Pn, 23 05 09.8 -1.8, etc.

2018 DEC

Table with columns: SMLA, komps=E, 111nm, 0.7s, IAML, 23 07 43.9, KDJ, Kajiasy, 7.58 39, Pn, 23 06 16.9 0.0, etc.

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Table with columns: KONO, Kongsberg, 45.00 321, P, P, 23 12 24.4 +0.6, KONO, Kongsberg, 45.00 321, Pmax, Pmax, 23 12 24.4 +0.6, etc.

IDC 08 23:12:26.1i.1.5, 61.47Nk:150.27W, h42km, 17km, mb3.3/6, mbmp3.4/9, ML3.0/3, Error ellipse: s-maj=23.2km s-min=10.1km az=108.0

NEIC 08 23:12:27.9i.1.8, 61.50Nk:0.03:150.06W:0.04, h43km, 5km, Error ellipse: s-maj=3.6km s-min=2.8km az=173.0

ISC 08 23:12:26.8i.0.8, 61.46Nk:0.03:150.07W:0.02, h45km, 6km, m179, s154/200, mb3.4/6, Southern Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, M22K, Willow, 0.29 355, Op, Pn, 23 12 35.2 +0.1, etc.

Table with columns: Station Name, Elevation, Azimuth, Phase, ID, Time, Res. Includes stations like Suanglung, Wufeng, WRFW, etc.

Table with columns: Station Name, Elevation, Azimuth, Phase, ID, Time, Res. Includes stations like M20K, WADJ, RDWH, etc.

Table with columns: Station Name, Elevation, Azimuth, Phase, ID, Time, Res. Includes stations like EGAK, G21K, G21K, etc.

NEIC 08 23:41:46.0 1.5 61.42N, 02:150.01W, 0.04, h40km, 4km, Error ellipse: s-maj=3.4km s-min=2.5km az=134.0

AEIC 08 23:41:46.4 1.2 61.39N, 02:149.99W, 0.03, h38km, 3km, ML3.0, ML3.1/148(NEIC), Error ellipse: s-maj=3.1km s-min=2.1km az=209.0, Southern Alaska

ISC 08 23:51:09.2 0.9 61.01N, 03:150.95W, 0.03, h62km, 7km, N108, 0666/121, Southern Alaska

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like FIS, RC01, RC01, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like O18K, O18K, SYI, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like O22K, O22K, RDT, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Denali Highway, Big Mountain, Kodiak Island, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Keri, Lithakia, Orthones, Zaky, Kipseli, Zakin, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NOA NORSAR Array B, TORO Torodi Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like LODOK Lodwar, KIBK Kibwezi, TSUM Tsumeb, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ASAR Alice Springs, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MARNC Mare, Loyalty, YATNC Mamie plateau, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CTA Crotchet Bay, ASKA Alice Springs, etc.

IDC 08 23:57:10.8,1.3,37.75N:20:27E, h0km, mb3.7/9, mbmp3.6/13, ML3.6/4, Error ellipse: s-maj=24.9km s-min=20.6km az=127.0

AKASO Malin Array B 14.40 22 Pn 00 00 36.0 +0.6

NOU 09 00:26:37.4,2.1,77.5S:169.93E, h0km, MLV4.5/8, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ILAR Eielson Array, EKA Eskdalemuir Ar, GERES GRESS Array B.

UPP 09:00:30:10.0.0.1, 67.84N:20.21E, h0km, ML2.2, Unknown HEL 09:00:30:11.1.0.2, 67.85N:20.26E, h0km, ML1.8, Explosion IDC 09:00:30:14.4.0.9, 67.81N:20.93E, h0km, mb3kp3.4/5, ML2.3/5, Error ellipse: s-maj=16.3km s-min=8.3km az=110.0

ISC 09:00:30:11.0.0.7, 67.85N:0.02:20.46E:0.03, h0km, n35, r147/52, Sweden

Main table for 9d 2h section, listing various stations and their parameters. Includes stations like KUA Kurraavaara, RATU Laukkuluppa, KIF Kilpisjärvi, etc.

THE 09:00:42:07.0.37.42N:20.63E, h12km, ML2.8/8, Error ellipse: s-maj=1.7km s-min=0.9km az=72.0 ATH 09:00:42:08.1.37.49N:20.64E, h12km, ML2.5/7, Manual Solution by F. Xalaris First location: 2018/12/09 00:42:25, This location: 2019/03/01 05:41:35 ML Amplitudes are expressed in micrometers. All distances are expressed in degrees Latitude uncertainty: 4 km; Longitude uncertainty: 4 km

ISC 09:00:42:07.6.1.7, 37.46N:0.06:20.62E:0.05, h13km, gkm, n29, r0545/48, Ionian Sea

Table for 9d 2h section, listing stations like KRII Keri, LTHK Lithakia, PSDA Pessada-Kefalo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like EVGI Lefkada island, KLV Kalavryta, Ach, etc.

NEIC 09:00:55:08.7.0.8, 36.45N:0.01:98.80W:0.01, h5km, 1km, Error ellipse: s-maj=3.0km s-min=2.0km az=320.0

NEIC 09:00:55:08.9.0.9, 36.46N:0.01:98.79W:0.02, h5km, 3km, mb_Lg2.18, ML2.4/28, ML2.8/16, Error ellipse: s-maj=2.6km s-min=1.8km az=118.0, Oklahoma

Main table for 2018 DEC section, listing stations like OK038 West end E0370, NOKA Wajunoka, ELIS Ellis County, etc.

IDC 09:01:02:35.0.0.8, 41.125S:91.30W, h0km, mb3.8/8, mbmp3.8/9, ML3.1/1, MS4.1/43, Error ellipse: s-maj=38.4km s-min=20.3km az=92.0

GCMT 09:01:02:37.0.0.2, 41.127S:0.01:90.58W:0.01, h14km, 1km, MW5.0/117, Moment Tensor Solution. s53,c68; s117,c178; Duration: 0 Moment tensor: Scale 10^16Nm; M0=0.40E+10; M20=0.44E+09; M30=0.04E+09; M40=1.48E+24; M50=4.06E+09; M60=0.46E+19; Best double couple: M64.330000*10^16 NPT1.268000000, 887.000000, 7.161.000000. NP2.359.000000, 871.000000, 1.3.000000. Principal axes: T 4.6560, P16.0000, Azm222.0000; N 0.6520, P171.0000; Azm300.0000; P -4.0040. P1g11.0000; Azm315.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location Triangular moment-rate function

ISC 09:01:02:36.5.0.8, 41.11S:0.1:91.2W:0.2, h10km, n54, r0591/12, mb3.9/8, MS4.2/42, Southeast of Easter Island

Table for 2018 DEC section, listing stations like H03S2 Juan Fernandez, H03S1 Juan Fernandez, H03S3 Juan Fernandez, etc.

Table for 654 section, listing stations like MDP Montagnes des, CMIG Matias Romero, RCBCA Riachuelo, etc.

ASRS 09:01:02:37.4.0.3, 52.96N:2.96E, h5km, ML3.8/14, Error ellipse: s-maj=3.6km s-min=2.8km az=173.8, confirmed IDC 09:01:02:49.8.2.6, 51.85N:94.52E, h0km, mbmp2.8/3, ML2.5/3, Error ellipse: s-maj=34.9km s-min=19.0km az=1.0

ISC 09:01:02:37.1.0.8, 51.66N:0.04:95.67E:0.03, h10km, n21, r234/42, 1C-1D, Southwestern Siberia

Table for 654 section, listing stations like KZLR Kyzyl, TDJR Tdzha, KNGR Kungurtuv, etc.

IDC 09:01:28:27.5:2.1, 5.89S:142.92E, h0km, mb3.8/2, mbmp3.8/3, ML3.7/1, Error ellipse: s-maj=65.5km s-min=38.7km az=106.0, New Guinea

Table for 654 section, listing stations like WRA Warramunga Arr, WRA Warramunga, ASAR Alice Springs, etc.

Northwest of Kuril Islands. Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res.

IDC 09 02:50:34.0.0.5, 8.79S; 108.61E, h0km, mb4.4/22, mbmp4.5/25, ML4.5/3, MS3.7/18, Error ellipse: s-maj=19.9km s-min=11.8km az=57.0

NEIC 09 02:50:35.4.2.2, 9.05S; 0.08h, 108.45E; 0.06h, 10km, 1km, mb4.8/37, Error ellipse: s-maj=13.7km s-min=9.5km az=175.0

DJA 09 02:50:39.6.0.3, 9.2S; 120.10E, h40km, mb5.0/38, mb5.0/38, mb5.6/15, MLV4.9/30, Mw(mb)5.0/15, MwMwp4.9/1, MwP5.2/1

ISC 09 02:50:38.3.0.4, 9.07S; 104.108; 46E; 0.05, h31km, m185, s167/167, mb4.7/56, MS3.8/16, 1C, South of Java

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Cimerak, Bungbulang, Karang Pucung, Ujung Watu, etc.

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Kambalda, Warramunga Arr, Alice Springs, etc.

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Karatay Array, Borolday, Kurchatov, etc.

ASRS 09 03:11:31.1±0.6, 50.2N; 9.8E, h8km, MLh3.6/9, Error ellipse: s-maj=6.2km s-min=4.0km az=128.5, confirmed, Tuva-Buryatia-Mongolia border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Kungurtug, Todzha, Kyzyl, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Ghas-e-Shirin, Dhras, Ghalgheazh, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like OBNS, OBNS, OBNS, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like SMOL, SMOL, SMOL, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like KURK, KURK, KURK, etc.

Table with columns: NUBE, Station Name, Time, Res, and various parameters. Includes stations like Las Nubes, Lomas de Alarc, Las Nubes, etc.

Table with columns: MBWA, Station Name, Time, Res, and various parameters. Includes stations like Marble Bar, Warramunga Arr, Warramunga Arr, etc.

Table with columns: MLR, Station Name, Time, Res, and various parameters. Includes stations like Muntele Rosu, Buccovina Arr, Buccovina Arr, etc.

Table with columns: Code, Station Name, Time, Res, and various parameters. Includes stations like DAV, DAV, DAV, etc.

Table with columns: L16K, Station Name, Time, Res, and various parameters. Includes stations like Ohwah River, Khabaz, Granite Mounta, etc.

Table with columns: M20K, Station Name, Time, Res, and various parameters. Includes stations like Susitna Watana, Redoubt Volcan, Bradley Lake, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Time, Res, ISC. Includes stations like Kantishna Hill, Castle Rocks, Port Alsworth, etc.

NEIC 09 05:21:31.5±0.5, 34°52'N, 102°97'71W, 0.03, h19km, 4km, mb_Lg2.5/36, ML2.6/27, ML2.9/13, Error ellipse: s-maj=3.2km s-min=2.2km az=78.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Time, Res, ISC. Includes stations like LOOK Franklin, OKLAHOMA CITY, W35A Tecumseh, etc.

NEIC 09 05:21:31.2±0.8, 34°51'7N, 100°04'97.71W, 0.02, h5km, 1km, Error ellipse: s-maj=3.1km s-min=2.2km az=280.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Time, Res, ISC. Includes stations like GUR Gaura, KALE Kalithea, ANX Ano Chora, etc.

NEIC 09 05:34:11.3±2.2, 6°17'N, 72°94'W, h167km, 20km, mb3.2/4, mbtmp3.7/5, Error ellipse: s-maj=35.1km s-min=26.2km az=95.0

Table with station names like RUSS, PTBC, OCAC, TAME, SPBC, ZARC, NORC, CHIC, ROSC, etc. and columns for Code, Station Name, Az, Phase ID, Op, ISC, Time, Res.

Table with station names like NIJE, DZM, EIDS, CTAO, PTMG, STKA, COEN, BBOO, etc. and columns for Code, Station Name, Az, Phase ID, Op, ISC, Time, Res.

Table with station names like RTZL, PSDA, PSDA, PSDA, VLS, VLS, DMLN, DMLN, DMLN, etc. and columns for Code, Station Name, Az, Phase ID, Op, ISC, Time, Res.

THE 09 05:37:24.9, 37°39'N; 02°92'E, h14km, ML2.5/5, Error ellipse: s-maj=5.9km s-min=1.2km az=75.0

SJA 09 05:43:49.5, 0.0, 19°91'S; 69°07'W, h111km, 5km, ML3.4, MW3.6

SJA 09 05:47:38.7, 0.0, 70°69'S; 71°61'W, h22km, 3km, ML2.7, MW3.2

Table with station names like KRII, LTHK, LTHK, KYPS, ORTH, CLEM, RTZL, etc. and columns for Code, Station Name, Az, Phase ID, Op, ISC, Time, Res.

Table with station names like PB08, GO01, GO01, FX03, FX03, TA02, etc. and columns for Code, Station Name, Az, Phase ID, Op, ISC, Time, Res.

Table with station names like LCO, LCO, LCO, AROD, DOCA, ACCO, ACCO, etc. and columns for Code, Station Name, Az, Phase ID, Op, ISC, Time, Res.

NEIC 09 05:38:45.5, 0.1, 23°39'S; 02°179'88'W; 0.08, h56km, 17km, mb4.2/19, Error ellipse: s-maj=32.5km s-min=10.2km az=178.0

THE 09 05:45:11.2, 37°54'N; 02°67'E, h14km, ML2.9/7, Error ellipse: s-maj=1.9km s-min=0.8km az=58.0

AGUA GUANDACOL 2.88 66 / AGUA GUANDACOL 2.88 66 / AGUA GUANDACOL 2.88 66

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes entries for MT01, G003, G003, G003, AAGR, AAGR, AAGR, LME, BO04, AC06, VCA, VCA, AVFE, BO01, BO02, G005, G005, CYA, CYA.

NOU 09 05:50:35.4, 37°58'S: 176°41'E, h256km, MLV3.6/12, North Island, New Zealand
WEL 09 05:50:39.3, 12.2°37'S: 9°17'6"E, h217km, 11km, M2.9/23, MLV2.9/23, Error ellipse: s-maj=11.9km s-min=8.6km az=178.8, confirmed

ISC 09 05:50:34.0, 2.0, 37°56'S: 0°08.176'43"E-0.07, h259km, 11km, n155, a166/160, North Island

Main table listing station codes and names (e.g., TGRZ, MYRZ, MARZ, KARZ, WHRZ, OMRZ, NGRZ, EDJZ, WIZ, TARZ, HLRZ, TOZ, HSRZ, RRRZ, GRRZ, HRRZ, URZ, URZ, URZ, MUGZ, MUGZ, KUZ, KUZ, ALRZ, TLZ, TLZ, KUTZ, HAZ, HAZ, HAZ, MWAZ, RTZ, MWZ, WATZ, MRHZ, WIAZ, MTHZ, ETAZ, PKGZ, TWGZ, RATZ, SHGZ, TKGZ, MBZ, RITZ, MXZ, MXZ, MXZ, AWAZ, KATZ, RIGZ, PUZ, HIZ, HIZ, NMHZ, ABZ, WMGZ, BKZ, BKZ, WTZ, WHZ, NTVZ, KRZ, TRVZ, GNGZ, WTVZ, NNVZ, TWZ, OTVZ, SNVZ, NGZ, ARHZ, KHZ, COVZ, PRZ, TUZ, FVWZ, MAVZ, WHVZ, KWHZ, TRVZ, WNVZ, MCHZ, MOVZ, PKVZ, MIVZ, MHZ, VHZ, WAZ, LREZ, PXZ, WPHZ, PRZ, PRZ, TSZ, KHEZ, PRHZ, DVHZ, POWZ, ANWZ).

Table listing station codes and names (e.g., PRWZ, BFZ, BFZ, MRZ, TWZ, OUAZ, OUAZ, CPWZ, GOWZ, GOWZ, KIWZ, TMWZ, MTW, CAW, DUWZ, TRWZ, PAWZ, WEL, MSWZ, SNZO, TCW, BHW, PLWZ, TUWZ, NNZ, TKNZ, CMWZ, BSWZ, HNZ, TRZ, KHZ, KHZ, DSZ, GVS, LTZ, AMCZ, INZ, OKZ, OKZ, MOZ, AKCZ, RACZ, WVZ, MHZ, RPZ, GCSZ, ARZ, TMZ, LBZ, ODZ, ODZ, JCZ, JYZ, JYZ).

IDC 09 05:53:55.6, 1.0, 13°23'N: 92°79'E, h0km, mb3.7/9, mbmp3.8/11, ML4.0/2, MS3.1/3, Error ellipse: s-maj=31.6km s-min=19.6km az=57.0

ISC 09 05:54:00.5, 0.9, 13°31'N: 92°9'E, 0.1, h35km, n18, r131/12, mb3.8/3, Andaman Islands region

Table listing station codes and names (e.g., CMAR, CMAR, CMAR, PSI, PALK, PALK, H0S3, H0S2, H0S1, MKAR, SONM, KURB, ZALV, WRA, ASAR, BRTR, FINES, H04N2, H04N3, ARCES).

IDC 09 05:59:00.9, 2.2, 53°70'N: 165°89'E, h0km, mb3.5/3, mbmp3.4/4, ML2.1/1, MS3.6/1, Error ellipse: s-maj=109.7km s-min=22.0km az=163.0

KRCZ 09 05:59:02.5, 0.9, 55°32'N: 164°29'E, h16km, 18km, M3.9

ISC 09 05:59:02.1, 1.0, 56°08'N: 0°07'164.33E-0.04, h10km, n32, r223/37, mb3.5/3, Komandorski Islands region

Table listing station codes and names (e.g., KBTR, KBTR, KBG, BKG, BKG, BKI, SMKR, ZLN, KPL, KRSP, BZP, KIRR, KIRP, KMNR, KOZ, TURM, KNL, SPN, NLC, KRER, KRH, AVH, UGLR, KOK, GNL, DAL, DAL, PETK, PETK, PETK).

Table listing station codes and names (e.g., GRL, MTRV, USRK, ILAR, ARTI, TXAR).

RSNC 09 06:12:07.1, 0.0, 7°N: 1°7'3W, h143km, 1km, M2.2, ML2.0, Northern Colombia

Table listing station codes and names (e.g., BARC, BARC, BRUC, BRUC, PAMC, PAMC, RUSC, RUSC, PUERTO BERRIO, PUERTO BERRIO, TAMC, TAMC, OCAC, OCAC, SAN PABLO DE B, SAN PABLO DE B, ZARC, ZARC, NORC, NORC, CHIC, CHIC, ROSC, ROSC, UREC, UREC, GUYC, GUYC, CBCC, CBCC, ARGC, ARGC, APAC, APAC, ORTC, ORTC, SAN JACINTO, SAN JACINTO).

RSNC 09 06:12:30.6, 0.0, 4°N: 1°7'7W, h25km, 3km, M1.5, ML1.3, Colombia

Table listing station codes and names (e.g., YOTC, YOTC, JAMC, JAMC, MALT, MALT, ORTC, ORTC, PRAC, PRAC, PRAC, PRAC).

AUST 09 06:13:01.0, 0.5, 34°54'N: 11°7'E, h2km, 2km, mb3.9/3, ML3.0/8, Error ellipse: s-maj=11.8km s-min=3.4km

CUPWA 09 06:13:01.1, 1.2, 34°46'N: 116°79'E, h2km, 468km, ML3.0, Region: WESTERN AUSTRALIA

ISC 09 06:13:01.1, 2.1, 34°45'N: 116°82'E, 0.09, h2km, 18km, n22, r062/29, 1D, Western Australia

Table listing station codes and names (e.g., LM04, LM04, LM04, RKG, RKG, RKG, AUALB, AUALB, NWAON, NWAON, NWAON, NWAON, AUHAR, AUHAR, PING, PING, MUNG, MUNG, MUN, MUN, KLBR, KLBR, MORW, MORW, MEEK, MEEK, FORT, FORT).

NEIC 09 06:14:08.0, 3.36, 44°N: 02°98'79W, 0.03, h5km, 2km, mb_Lg2.8/47, ML3.1/30, Error ellipse: s-maj=4.1km s-min=3.0km az=302.0, Oklahoma

Table listing station codes and names (e.g., OK038, OK038, NOKA, NOKA, ELIS, ELIS, ELIS, CROK, CROK, CROK, CSTR, CSTR, KAN14, KAN14, KAN14, GC02, GC02, KAN17, KAN17, KAN17, KAN08, KAN08, KAN12, KAN12, KAN01, KAN01).

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KAN09 Caldwell North, KAN13 South Haven SW, etc.

SJA 09 06:14:38.9-0.5, 33.385, 73.25W, h20km, ML3.2, MW3.6
GUC 09 06:14:44.8-0.8, 34.003, 72.28W, h33km, 4km, ML2.9
ISC 09 06:14:43.1-1.6, 33.91S, 073.2736W, 0.06, h18km, 5km, n26, c1343/42, Off coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VA05 Santo Domingo, BO03 Pichilemu, MT01 Popeta, etc.

NEIC 09 06:19:25.3-1.9, 7.65N, 0.09, 75.34W, 0.08, h77km, 16km, mb4, 1/7, Error ellipse: s-maj=13.2km s-min=11.1km az=213.0
IDC 09 06:19:27.2-2.2, 7.69N, 75.15W, h81km, 20km, mb3.4/6, mbmp3.8/9, MS3.5/1, Error ellipse: s-maj=20.6km s-min=12.7km az=114.0
RSNC 09 06:19:27.2-2.0, 8.1N, 1.7, 75W, h48km, 2km, M3.5, mb4.1, ML3.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like UREC San Jos de Ur, ZARC Zaragoza, Cauc, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ZARC Dabeiba, DBBC Dabeiba, APAC Apartado, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RSNC 09 06:25:55.2-0.0, 13.1N, 3.8, 11W, h0km, 4km, M2.4, mb3.9, ML2.4, Caribbean Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SERC Isla Barro Col, BCIP Isla Barro Col, etc.

IDC 09 06:26:19.0-2.1, 54.52N, 168.85E, h0km, mb3.6/7, mbmp3.6/8, ML2.7/1, Error ellipse: s-maj=60.4km s-min=22.1km az=174.0
KRSR 09 06:26:19.6-1.0, 53.81N, 168.66E, h43km, 19km, ML3.9
ISC 09 06:26:20.8-1.1, 54.1N, 0.1, 168.99E, 0.08, h25km, n22, c1556/20, mb3.6/7, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BKI Bering, BKI Bering, KBTR Krotoberegovo, etc.

JMA 09 06:39:41.9-0.2, 24.1N, 1.1, 122.3E, 0.5, h20km, MV3.0/14, TAIWAN REGION
TAP 09 06:39:42.3, 24.06N, 122.32E, h24km, ML3.0, C
ISC 09 06:39:42.3-0.9, 24.02N, 0.02, 122.31E, 0.02, h24km, 6km, n79, c090/131, Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like E0S4 EOS4, E0S3 EOS3, EWUT Wuta, etc.

Table with columns: YN01, IRIF, ZUZH, EHD, EHD, TYC, NSTT, ECTS, WHYT, EDH, TWQ1, ELDTW, WJS, WJS, ALS, ALS, CHNS, JKRS, JKRS, TWBGT, WCKO, JIJ, JIJ, TPUB, CHN4, CHN4, TWK, TWK, CHN1, CHN1, SGST, SGST, SNST, SNST, JISG, JISG, TSMG, MASBT, MASBT, JTA, JTA, SCZT, SCZT. Includes station names, coordinates, and technical data.

IDC 09 06:40:59.0,0.8,22'08S;169'36E,h0km,mb4.2/11, mbmp4.1/12,ML3.5/1,MS3.5/5,Error ellipse: s-maj=25.0km s-min=21.4km az=138.0, NEIC 09 06:41:00.8,1.1,22'28S;0'08:169'36E:0'10, h10km,1km, mb4.5/12,Error ellipse: s-maj=17.2km s-min=10.6km az=54.0

ISC 09 06:41:02.5,0.6,22S:0'11:169'33E:0'08,h25km,n37, o=91/36,mb4.4/18,MS3.3/4,5C,Southeast of Loyalty

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like Ouen Toro, Mont Dzumac, Nonsavu, Alice Springs, etc.

ROM 09 06:45:53.1,0.1,42'45N;0'003:13'298E:0'005, h14km,ML1.5/14,2C-1D,Error ellipse: s-maj=0.3km s-min=0.2km az=230.0, Central Italy

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like Pellescritta, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like Campotosto, SAN MARTINO, Gran Sasso, Leonessa, Matera, etc.

ROM 09 06:46:16.4,0.0,42'45N;0'002:13'287E:0'004, h15km,ML2.2/64,4C-3D,Error ellipse: s-maj=0.3km s-min=0.1km az=237.0, Central Italy

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like Pellescritta, Matera, Campotosto, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like TERO, ARRO, VCEI, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like Q23K, GOAT, BWN, WACK, M18K, RAGM, N16K, GLB, O18K, SYI, Q19K, KAIM, VRDI, WRH, WRH, TTA, TTA, N17K, ILAR, J19K, J19K, PTPK, J19K, I23K, I23K, BARK, J25K, J25K, I21K, I21K, K17K, K17K, K17K, ACHA, ANCK, M16K, CNTC, N16K, YUK2, O16K, LOGN, LOGN, H21K, H21K, H21K, H22K, I16K, OHAH, OHAH, OHAH, GCSA, YUK3, J17K, J17K, IMAR, PLK2, I26K, I26K, PLK4, PLK4, H19K, H19K, H19K, N15K, N15K, MKAR.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like N15K, M15K, J16K, C23K, H18K, H18K, H18K, BCMP, BCMP, BCMP, G21K, G21K, G21K, G21K, SII, O15K, G24K, L15K, H17K, K15K, PNL, PNL, M29M, C25K, G19K, H17K, O29M, L29M, COLD, H14K, G18K, O14K, F21K, L14K, HYT, F20K, F24K, N30M, K29M, P29M, M30M, CHIR, CHIR, F19K, BMAR, J14K, C27K, M13K, F18K, CHGN, E22K, F26K, O32K, E19K, G16K, K13K, F17K, E21K, M13M, SKAG, SKAG, E18M, E18M, E17K, ANM, E27K, F15K, D19K, C21K, C27K, C27K, E29M, C19K, D27M, S32K, H20K, B20K, Q32M, C16K, R33M, INK, INK, S34M, U33K, DLBC, DLBC, A36M, YKA, NEW, RES, H04A, H04A, PLID, PLID, BPMT, PETK, NVAR, PDAR, ULM, SPITS, NRIK, TXAR, TKL, ARCES, KSRS, SONM, NOA, ZALV, FINES, HFS, EKA, BVAR, KURSB, MKAR.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like BELG, AKTO, ABKAR, KSP, DPC, AK21, AK23, AK22, AK20, AK19, AKAS, AKKB, LVV, SHU, KKAR, KBZ, ESCD, BRTR, CMAR, BOS, QSPA, URZ, URZ, ASAR, WRA, QSPA, FINES, SHEM, SHEM, PET, PEAOB, PETK, PETK, KIWB, ATKA, P08K, M11K, K13K, M13K, L14K, L14K, M14K, K15K, J17K, K17K, H18K, H18K, G18K, G18K, C18K, C18K, G19K, H19K, H19K, F19K, OHAH, OHAH, E19K, C19K, D19K, D19K, KDAK, IMAR, E23K, E23K, TOLK, ILAR, H11N2, H11N3, H11N1, H11S1, H11S2, YKA, NVAR, PDAR, PDAR, TX31, TXAR.

NEIC 09 07:38:33.3z, 1.1, 61.34N, 0.03:149.97W, 0.05, h42km, 3km, Error ellipse: s-maj=3.7km s-min=3.4km az=183.0

AEIC 09 07:38:33.9z, 0.9, 61.32N, 0.03:149.98W, 0.02, h40km, 5km, ML2.5, ML2.7/138(NEIC), Error ellipse: s-maj=3.8km s-min=1.0km az=166.0, Southern Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like Fire Island, Susitna One, Willow, Palmer, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like Stony River, Bear Paw Mtn, Kilae Creek, Koktuh Hills, etc.

IDC 09 07:49:49.6z, 2.5, 69N, 0.46W, h0km, mb4.3/2, mbtmp4.0/4, ML3.1/2, Error ellipse: s-maj=95.5km s-min=22.7km az=173.0, Ghana

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like Dimbokro, Torodi Ar, Hagfors, Fines, etc.

IDC 09 07:51:58.5z, 0.9, 20.74S, 168.54E, h0km, mb4.1/7, mbtmp4.1/9, ML4.3/2, MS3.7/17, Error ellipse: s-maj=36.8km s-min=18.2km az=151.0

NEIC 09 07:52:00.2z, 1.2, 22.0S, 0.2:168.88E, 0.09, h10km, 2km, mb4.3/11, Error ellipse: s-maj=30.0km s-min=12.4km az=348.0

NOU 09 07:52:10.4z, 21.85S, 168.09E, h0km, MLV3.6/6, Loyalty Islands

ISC 09 07:52:01.7z, 0.7, 21.7S, 0.1:168.98E, 0.08, h35km, m52, s=066/35, mb4.2/15, MS3.6/14, 3C, Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like Mare, Loyalty, Mamie plateau, Ouen Toro, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like Urewera, Charters Tower, Rata, Coen, etc.

SOME 09 07:58:49.2z, 41.80N, 78.20E, h0km, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like Tian-Shan, Kokpek, Karatobe, etc.

NNC 09 07:59:33.1z, 2.5, 41.79N, 78.26E, h0km, mb3.0, mpv2.8, Error ellipse: s-maj=16.4km s-min=11.5km az=174.0, Suspected mining explosion, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like Tian-Shan, Karatobe, Baldybastay, etc.

IDC 09 08:02:50.8z, 8.36, 14N, 140.07E, h44km, 47km, mb3.2/3, mbtmp3.5/3, MS2.3/1, Error ellipse: s-maj=53.1km s-min=29.5km az=57.0

JMA 09 08:02:52.0z, 8.1, 36.0N, 0.3:139.9E, 0.4, h41km, 1km, MV3.2/38, SW IBARAKI PREF

JMA Felt I J1 at SW IBARAKI PREF - ISC 09 08:02:51.9z, 1.1, 36.08N, 0.08:139.99E, 0.07, h60km, n17, s=090/44, mb3.5/3, 5D, Eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like Yasoto, Tokyo, Ashikaga, etc.

ellipse: s-maj=3.5km s-min=1.2km az=35.0
THE 09:10:04:51.1, 37.64N,20.73E, h15km, ML2.9/9, Error
ellipse: s-maj=1.7km s-min=0.5km az=58.0
ISC 09:10:04:50.9, 1.5, 37.64N, 0.06, 20.68E, 0.06, h15km, 5km,
n26, c#046/42, Ionian Sea

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like KERI, Lithakia, Pessada-Kefalo, Valsamata, etc.

DJA 09:10:12:37.3, 0.9, 9.9'S, 3.10'E, h30km, 13km, M4.0/17,
mb4.1/1, MLV4.0/17
NEIC 09:10:12:38.4, 0.8, 9.9'S, 0.1, 108.45E, 0.08, h34km, 7km,
mb4.3/12, Error ellipse: s-maj=16.3km s-min=9.1km
az=154.0

ISC 09:10:12:41.9, 4.5, 9.14S, 108.30E, h74km, 31km, mb3.77,
mbmp4.0/9, MS3.0/2, Error ellipse: s-maj=89.1km
s-min=12.5km az=52.0

ISC 09:10:12:37.7, 0.7, 9.11S, 0.05, 108.44E, 0.05, h31km, n43,
c#123/43, mb4.2/12, South of Java

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Cimerak, Karang Pucung, Cibinong, Wanaagama, Lembang, etc.

Table with columns: MKAR Makanchi Array, KURBS Kurchatov Arra, ZALV Zalesovo Beam, BVAR Borovoye Array, ABKAR Abkulak array, etc.

NNC 09:10:23:26.6, 4.5, 38.84N, 70.16E, h0km, mb3.6, mpv3.2,
1C, 1D, Error ellipse: s-maj=46.2km s-min=28.5km
az=3.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like KK31 Karatay Array, MRKS Kurchatov Arra, MDOK Medeo, etc.

IDC 09:10:33:18.9, 1.0, 9.39S, 112.98E, h0km, mb4.3/12,
mbmp4.3/14, ML3.9/2, MS3.3/9, Error ellipse:
s-maj=36.3km s-min=15.2km az=50.0
NEIC 09:10:33:22.9, 2.2, 9.65S, 0.08, 112.89E, 0.07, h35km, 2km,
mb4.6/22, Error ellipse: s-maj=13.4km s-min=10.9km
az=168.0

DJA 09:10:33:25.4, 0.7, 10.1S, 4.11E, h30km, 11km, M4.5/24,
mb4.7/3, mb5.0/1, MLV4.2/4, MW(1)B4.3/1
ISC 09:10:33:23.0, 1.1, 9.65S, 0.06, 112.89E, 0.04, h29km, 22km,
n79, c#210/80, mb4.6/28, MS3.1/6, 1D, South of Java

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like GMJI Gumukmas, JAGI Jagag, Banyuwatu, etc.

ISC 09:10:33:23.0, 1.1, 9.65S, 0.06, 112.89E, 0.04, h29km, 22km,
n79, c#210/80, mb4.6/28, MS3.1/6, 1D, South of Java

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like MBWA Marble Bar, PSA00 Parale Seismi, FITZ Fitzroy Crossi, etc.

Table with columns: LZH, KSRS Korea Array, HHC Hu-ho-hao-te, JGFG Kuroka, MJAR Matsushiro Arr, USRK Ussuriysk Arr, SONM Songoing Arr, WUS Wushi, KSH Kashi, NNRN Naryn, MK31 Makanchi Array, AAK Ala-Archa, URZ Urewera, KURBK Kurchatov Arr, KURK Kurchatov, ZALV Zalesovo Beam, BRVK Borovoye, ABKAR Abkulak array, ARTI Arti, TIXI Tiksi, BRTR Keskin Array B, SNAAS Sanaas, YKA Yellowknife Arr, etc.

IDC 09:10:51:53.1, 4.9, 15.59S, 178.09W, h422km, 36km,
mb3.0/5, mbmp3.9/4, Error ellipse: s-maj=27.7km
s-min=32.6km az=142.0, Filiz Islands region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like MSVF Nonsavu, WRA Warramunga Arr, ASAR Alice Springs, etc.

KRSC 09:10:53:17.0, 0.2, 2.48, 34N, 156.49E, h16km, 28km, M4.0,
MOS 09:10:53:17.0, 0.9, 48.34N, 155.02E, h39km, mb4.7/10, Error
ellipse: s-maj=10.4km s-min=3.9km az=72.8
SKHL 09:10:53:18.3, 0.8, 48.30N, 155.20E, h53km, 6km, mb5.1/8
NEIC 09:10:53:19.2, 1.6, 48.5N, 0.1, 154.9E, 0.1, h35km, 1km,
mb4.5/31, Error ellipse: s-maj=21.0km s-min=12.0km
az=321.0, preliminary

IDC 09:10:53:21.0, 2.5, 48.48N, 154.88E, h55km, 21km, mb3.8/25,
mbmp4.2/29, ML4.4/3, MS3.6/9, Error ellipse:
s-maj=15.6km s-min=11.0km az=139.0
ISC 09:10:53:18.7, 0.5, 48.33N, 155.12E, 0.06, h43km, n202,
c#155/202, mb4.5/27, MS3.6/7, 7C-6D, Kuril Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like SKR Severo-Kuril's, WRA Warramunga Arr, FAKI Fak Fak, WRA Warramunga Arr, WRAB Tennant Creek, NWAO Narragin (SRO), ASAR Alice Springs, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like Petropavlovsk, PETK, PETK, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like JUNU, TIXI, TIXI, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like AKASG, FITZ, FITZ, etc.

NEIC 09 11:04:41.1±0.6, 15:5S:0.3; 176.5W:0.1, h398km±17km, mb4.4/9, Error ellipse: s-maj=45.0km s-min=15.3km

IDC 09 11:04:43.2±0.8, 15:32S:176.96W, h404km±30km, mb3.1/5, mbTps3.8/6, Error ellipse: s-maj=89.6km s-min=19.3km

ISC 09 11:04:48.0±0.8, 15:7S:0.2±176.6W:0.1, h400km, n20, i1909/20, mb4.3/11, Fijil Islands Region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like FUGATOGA, ANAMU, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NLA1 Namlea, KDI Kendari, AAI Ambon, BKS1 Bulukumba, WSI Waingapu, BAS1 Baung, SAUI Saumlaki, KAPI Kappang, LUWI Luwuk, WBS1 Waikabubak, TTS1 Tana Toraja, APS1 Ampana, DRS Darwin Rock St, PLA1 Plampang, FAK1 Fak Fak, MTN Manton Dam, KDU Kakadu, KNRA Kununurra, TOL1 Tolitoli, FITZ Fitzroy Crossi, WBO Warramunga Arr, PSA00 Pilbara Seismi, WRAB Tennant Creek, WRA Warramunga Arr, WB2 Warramunga Arr, WR0 Warramunga Arr, WRK1 Warakurna, AS31 Alice Springs, ASAR Alice Springs, AS01 Alice Springs, COEN Coen, QIS Mount Isa, MEEK Meekatharra, OOD Oodnadatta, FORT Forrest, MULG Mulgathing, NWA0 Naroogin (SRO), BBOO Buckleboo, STKA Stephens Creek, MJAR Matsushiro Arr, USRK Ussuriysk Arr, SONMI Songoing Arr, PETK Petropavlovsk, MK31 Makanchi Array, ZAA0 Zalesovo Array, ZALV Zalesovo Beam, KURBB Kurchatov Arr, KURK Kurchatov, SEY Seymchan, BVAR Borovoye Array, TIXI Tiksi, ABKAR Akbulak array, QSPA South Pole Qui, ILAR Elselson Array, AUST 09 11:14:00.2, 0.4, 22'S x 133°0'E, h10km, mb3.9/3, ML2.7/1, Error ellipse: s-maj=7.4km s-min=6.9km

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like QIS Mount Isa, URZ Urewhera, ASAR Alice Springs, WRA Warramunga Arr, FINES FINESS Array B.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NNC 09 11:34:59.0, 1.3, 44'43N-81°27'E, h0km, mb2.6, mpv2.6, 9C-3D, Error ellipse: s-maj=24.1km s-min=5.5km, az=122.0, Suspected Mining explosion., Northern Xinjiang, PDGK Podgornoye, MAZK Makanchi, MAK3 Makanchi Array.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SOME 09 11:35:00.8, 43'20N:78°22'E, h0km, Lake Issyk-Kul region, SATY Saty, KURS Kuram, KPKS Kopek, KPKS Kopek.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IDC 09 11:35:15.2, 2.5, 48°07'N:152°61'E, h152km, 24km, mb3.2/6, mbmp3.6/8, Error ellipse: s-maj=25.9km s-min=19.7km, az=113.0, IDC 09 11:35:11.8, 1.1, 47°39'N:0°2'152.4'E:0.2, h117km, n8, Kuril Islands, PETK Petropavlovsk, ASAJ Ashikawa, MKAR Makanchi Array, KURBB Kurchatov Arr, FINES FINESS Array B, WRA Warramunga Arr, ASAR Alice Springs, TXAR Lajitas Array.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ATH 09 11:43:28.9, 37°46'N:20°68'E, h14km, 3km, ML2.6/2, Error ellipse: s-maj=5.5km s-min=1.7km az=41.0, THE 09 11:43:30.6, 37°53'N:20°75'E, h17km, 1km, ML2.3/4, Error ellipse: s-maj=4.7km s-min=1.0km az=59.0, IDC 09 11:43:29.4, 1.9, 37°48'N:0°20'20.71'E:0.09, h14km, gkm, n13, c#63/20, Ionian Sea, KRI1 KERI, LTHK Lithaka, LTHK Lithaka, ORTH Orthones, Zaky, PDSA Pessada-Kefalo, VLS Valsamata, VLS Valsamata, VLS Valsamata, VLS Valsamata, AMT Artemis-Makis, RLS Riios of Patr, FSK Fiskardo, PVL PYLOS, PVL PYLOS, EVGI Lefkada island.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H08S2 Diego Garcia H, H08S3 Diego Garcia H, H08S1 Diego Garcia H, WRA Warramunga Arr, ASAR Alice Springs, SONMI Songoing Array, H08S2 Diego Garcia H, H08S3 Diego Garcia H, H08S1 Diego Garcia H, WRA Warramunga Arr, ASAR Alice Springs, SONMI Songoing Array, H08S2 Diego Garcia H, H08S3 Diego Garcia H, H08S1 Diego Garcia H, WRA Warramunga Arr, ASAR Alice Springs, SONMI Songoing Array.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H08S2 Diego Garcia H, H08S3 Diego Garcia H, H08S1 Diego Garcia H, WRA Warramunga Arr, ASAR Alice Springs, SONMI Songoing Array, H08S2 Diego Garcia H, H08S3 Diego Garcia H, H08S1 Diego Garcia H, WRA Warramunga Arr, ASAR Alice Springs, SONMI Songoing Array.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MKAR Makanchi Array, H04N2 CROZET ISLANDS, H04N1 CROZET ISLANDS, H04N3 CROZET ISLANDS, H04S1 CROZET ISLANDS, H04S3 CROZET ISLANDS, H04S2 CROZET ISLANDS, TXAR Lajitas Array.

NEIC 09 12:05:53.2, 1.1, 61°34'N:0°02'149°93'W:0.04, h45km, 3km, Error ellipse: s-maj=3.4km s-min=2.2km az=60.0, AEIC 09 12:05:54.0, 1.4, 61°32'N:0°02'149°89'W:0.05, h40km, 4km, ML2.7, ML2.8/150(NEIC), Error ellipse: s-maj=3.5km s-min=3.4km az=110.0, Southern Alaska

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FIS Fire Island, RC01 Rabbit Creek A, RC01 Rabbit Creek A, RC01 Rabbit Creek A, SUA Susitna One, SUA Susitna One, SUA Susitna One, M22K Willow, M22K Willow, PMR Palmer, PMR Palmer, PMR Palmer, GHO Glory Hole Cre, GHO Glory Hole Cre, GHO Glory Hole Cre, SML Sawmill, SML Sawmill, SML Sawmill, SML Strandline Lake, SML Strandline Lake, SML Skwentna, SML Spurr Capps G, SML Mount Spurr, SML Mount Spurr, SPCP Crater Peak Br, SPCP Chulitna, SPCP Spurr Chakacha, SPCP Spurr Chakacha, SEW Seward, SCM Sheep Creek Mo, GLI Glacier Island, GLI Glacier Island, GLI Glacier Island, RDT Redoubt, RDJH Redoubt Jeurge, WAT Susitna Watana, BRK Bradley Lake, BRK Bradley Lake, BRK Bradley Lake, BRK Bradley Lake, BRSE Bradley Lake S, WAT1 Susitna Watana, M20K M20K, RDWB Redoubt West, RED Redoubt Volcan, FID Port Fidalgo, FID Port Fidalgo, P23K Montague Is, HIN Hinchinbrook I, HIN Hinchinbrook I, KLU Klutina, KLU Klutina, CNPM China Pot, CNPM China Pot, PPLA Papey, M24K Tolsona, M24K Tolsona, M24K Tolsona, DIV Divide, IVE Iliamna Volcan, ILS Iliamna Low So, ILSW Iliamna Southw, DHY Denali Highway, DHY Denali Highway, TRF Thorofore Mtn, TRF Thorofore Mtn, TRF Thorofore Mtn, RND Redoubt, EYAK Cordova Ski, L20K Farewell, AK, M19K Big River Lodge, N19K Bonanza Creek, KTH Kantishna Hill, KTH Kantishna Hill, CAST Castle Rocks, CAST Castle Rocks, O19K Port Aisworth, MCK McKinley, HARP Harp, L19K White Mountain, N25K Chitina, Valde, N25K Chitina, Valde, N25K Chitina, Valde.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FIS Fire Island, RC01 Rabbit Creek A, RC01 Rabbit Creek A, RC01 Rabbit Creek A, SUA Susitna One, SUA Susitna One, SUA Susitna One, M22K Willow, M22K Willow, PMR Palmer, PMR Palmer, PMR Palmer, GHO Glory Hole Cre, GHO Glory Hole Cre, GHO Glory Hole Cre, SML Sawmill, SML Sawmill, SML Sawmill, SML Strandline Lake, SML Strandline Lake, SML Skwentna, SML Spurr Capps G, SML Mount Spurr, SML Mount Spurr, SPCP Crater Peak Br, SPCP Chulitna, SPCP Spurr Chakacha, SPCP Spurr Chakacha, SEW Seward, SCM Sheep Creek Mo, GLI Glacier Island, GLI Glacier Island, GLI Glacier Island, RDT Redoubt, RDJH Redoubt Jeurge, WAT Susitna Watana, BRK Bradley Lake, BRK Bradley Lake, BRK Bradley Lake, BRK Bradley Lake, BRSE Bradley Lake S, WAT1 Susitna Watana, M20K M20K, RDWB Redoubt West, RED Redoubt Volcan, FID Port Fidalgo, FID Port Fidalgo, P23K Montague Is, HIN Hinchinbrook I, HIN Hinchinbrook I, KLU Klutina, KLU Klutina, CNPM China Pot, CNPM China Pot, PPLA Papey, M24K Tolsona, M24K Tolsona, M24K Tolsona, DIV Divide, IVE Iliamna Volcan, ILS Iliamna Low So, ILSW Iliamna Southw, DHY Denali Highway, DHY Denali Highway, TRF Thorofore Mtn, TRF Thorofore Mtn, TRF Thorofore Mtn, RND Redoubt, EYAK Cordova Ski, L20K Farewell, AK, M19K Big River Lodge, N19K Bonanza Creek, KTH Kantishna Hill, KTH Kantishna Hill, CAST Castle Rocks, CAST Castle Rocks, O19K Port Aisworth, MCK McKinley, HARP Harp, L19K White Mountain, N25K Chitina, Valde, N25K Chitina, Valde, N25K Chitina, Valde.

9d 12h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like H29M, Y2AK, D4K, etc.

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Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like TPGR, KOLS, STHS, etc.

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Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like BFO, MMB, KBA, etc.

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

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

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

CATAC 09 13:07:11.2,0.5,14.15N:92.02W,h21km,3km,ML3.6
MEX 09 13:07:12.0,0.8,14.03N:92.14W,h26km,32km,MD4.1

IDC 09 13:08:08.6,8.3,21.05S:177.00W,h0km,mb3.7/4,
mbtmp3.7/4,Error ellipse:s-maj=212.3km s-min=46.6km

IDC 09 13:09:02.7,4.0,23.4S:178.9W,0.4,h365km,n13,
e1547/13,mb3.2/4,South of Fiji Islands

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

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

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like EWS2, EWS3, EWS4, etc.

ISC 09 13:07:11.0,1.2,14.11N:100.05E:92.12W,0.03,h44km,18km,
n39,e1968/72,1C,Near coast of Chiapas

IDC 09 13:13:14.3,5.0,22.21S:169.75E,h0km,mb3.9/5,
mbtmp3.9/5,Error ellipse:s-maj=174.6km

IDC 09 13:23:19.0,0.8,9.9S:3.10E,1h14km,7km,ML3.5/13,
MLV3.5/13

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like RTAL, SMCA, STG3, etc.

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

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like EWS2, EWS3, EWS4, etc.

ISC 09 13:23:19.7,1.2,9.15S:0.1:108.48E:0.06,h10km,n17,
e1544/17,mb3.4/4,South of Java

IDC 09 13:23:19.6,3.0,8.37S:108.88E,h0km,mb3.5/4,
mbtmp3.5/4,MS3.7/1,Error ellipse:s-maj=172.2km

IDC 09 13:24:58.1,1.6,19.14S:167.80E,h0km,mb3.5/4,
mbtmp3.5/5,ML3.5/1,MS2.7/2,Error ellipse:s-maj=57.6km

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

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

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like EWS2, EWS3, EWS4, etc.

ISC 09 14:02:43.1,0.4,25.1N:133.122E,0.8,h252km,3km,
MV3.8/19,NW OFF ISHIGAKIJIMA IS

IDC 09 14:02:40.6,1.8,25.64N:100.06E:122.67E:0.04,
h261km,10km,n108,e1910/195,2C-2D,Taiwan region

IDC 09 14:02:43.1,0.4,25.1N:133.122E,0.8,h252km,3km,
MV3.8/19,NW OFF ISHIGAKIJIMA IS

9d 14h

Table with columns for station name, code, frequency, and other technical details for stations like Yeshan, Taimali, Majia, etc.

JMA 09 14:06:25.1±1.0, 47°N, 8°15'33"E, 1'0, h30km, MV4.7/15, KURILE ISLANDS REGION

SKHL 09 14:06:26.0±0.4, 46°07'N, 153°30'E, h52km, 8km, mb5.1/7

MOS 09 14:06:26.5±1.0, 46°17'N, 153°13'E, h47km, mb4.8/22, Error ellipse: s-maj=8.4km s-min=5.5km az=77.9

NEIC 09 14:06:27.9±1.3, 46°02'N, 153°01'E, 0.2, h25km, 1km, mb4.8/22, Error ellipse: s-maj=19.3km s-min=7.2km az=89.0

IDC 09 14:06:29.2±3.4, 46°02'N, 153°01'E, h54km, 19km, mb3.8/24, mbmp4.129, ML3.7/4, MS3.4/15, Error ellipse: s-maj=16.9km s-min=10.5km az=149.0

ISC 09 14:06:26.6±0.5, 46°04'N, 153°22'E, 0.06, h35km, n290, a132/287, mb4.7/84, MS3.4/12, 21-C27, Kuril Islands

Main station list table with columns: Code, Station Name, Frequency, Power, Modulation, etc.

2018 DEC

Main station list table for the 2018 DEC section with columns: Station Name, Code, Frequency, Power, Modulation, etc.

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Main station list table for the 678 section with columns: Station Name, Code, Frequency, Power, Modulation, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like WRA, HFS, BORG, FITZ, KHAM, PLTM, EROS Data Cent, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Gll 09 14:21:17, GIAL 09 14:21:21, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like M22K, Willow, Palmer, etc.

s-min=8.9km az=134.0
NNC 09 14:58:20.6,3.4,36.161N-70.27E,h0km,mb4.5,mpv4.5,
Error ellipse: s-maj=29.2km s-min=23.3km az=149.0

ISC 09 14:58:18.7,0.6,36.90C-10.05:70.43E,0.05,h100km,n74,
o160/78,mb2.8/9,9C-4D,Hindu Kush region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual. Lists various seismic stations and their associated data.

Table with columns: Station Name, Longitude, Latitude, Depth, Magnitude, Phase ID, Time, Residual. Lists stations like ESDC, Sonseca Array, PETK, etc.

Station Name: BUI 09 15:15:39.9,24.04N:121.53E,h20km,mb4.7/73,mb5.0/27,
ML5.0/12,Ms4.7/72,Ms7.4/6/69
JMA 09 15:15:40.3,0.1,24.0N:121.52E,h18km,1km,
MD4.5/19,MV4.8/19,TAIWAN REGION
NEIC 09 15:15:40.2,0.8,23.98N:0.03:121.59E:0.05,h17km,1km,
mb5.1/153,Error ellipse: s-maj=6.8km s-min=4.5km
az=100.0

Station Name: NIED 09 15:15:40.3,24.00N:121.55E,h18km,Ms4.6,Moment
Tensor Solution. s3 Moment tensor: Scale 10^15Nm;
Mn:3.96; Mw:-0.76; Mw:-3.20; Mw:6.25; Mw:-3.94; Mw:-2.00;
Fault plane solution: Ms:8.16000x10^15 NP1:8.760000,
delta1.000000,lambda.128.000000, NP2:8.189.000000,delta2.000000,
lambda.29.000000
ASIES 09 15:15:41.3,24.05N:121.52E,h20km,ML5.2,Mw4.7,
Moment Tensor Solution. Moment tensor: Scale 10^23Nm;
Mn:1.03; Mw:-0.38; Mw:-0.32; Mw:-0.09; Mw:-0.51;
Mw:0.72; Fault plane solution: Ms:1.19940x10^23 NP1:
phi:205.400000,theta:74.000000,lambda:69.730000, NP2:phi:65.250000,
theta:73.000000,lambda:125.030000, Principal axes: P:1.1665,1910,
Azim:79.666000,N:Plg108,10400, Azim214.676000,P:
Plg16.37800, Azm310,18900;
TAP 09 15:15:41.3,24.05N:121.52E,h20km,ML5.2,B
MOS 09 15:15:42.1,0.8,24.06N:121.62E,h48km,mb5.1/44,Error
ellipse: s-maj=10.6km s-min=6.8km az=122.9
IDC 09 15:15:44.2,4.2,24.09N:121.73E,h56km,22km,mb4.2/33,
mbmp4.5/37,ML4.4/3,MS4.1/20,Error ellipse:
s-maj=12.6km s-min=10.5km az=66.0

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual. Lists stations like TW, HWA, HWA, etc.

Table with columns: Station Name, Longitude, Latitude, Depth, Magnitude, Phase ID, Time, Residual. Lists stations like LIOB, Emei, WWF, Wufeng, etc.

2018 DEC

9d 15h

Table with columns for station ID, name, frequency, power, and status. Includes stations like MK31 Makanchi Array, SHLS Shalkode, ZALV Zalesovo Beam, etc.

Table with columns for station ID, name, frequency, power, and status. Includes stations like STKA Stephens Creek, BELG Belogornoye, KIRV Kirov, etc.

Table with columns for station ID, name, frequency, power, and status. Includes stations like Q16K King Salmon, P17K Kvichak River, M18K Kizlovsk, etc.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like I23K Minto, I30K Minto, I23K Minto, I23K Minto, etc.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like F28M Old Crow, K27K Chicken, M26K Nabesna, etc.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like P30M Million Dollar, N31M Bræburn, RNPB8 Varash, etc.

Table with columns for Code, Station Name, Frequency, Mode, and Signal Strength. Includes stations like SKHL 09 15:16:59.0, JMA 09 15:17:00.1, etc.

Table with columns: SHO, YUK, NEM2, NEM2, NMR, NMR, JRA, JNK, JNK, JAK, JAK, JTRK, JAR, JAR, JAR, JOE, JOE, JCH, JCH, JCK2, JNK, JNK, JTH. Includes station names, codes, and coordinates.

IDC 09 15:17:16.1±0.2, 21S:100.42E, h0km, mb3.7/4, mbmp3.7/4, Error ellipse: s-maj=221.2km s-min=77.0km az=75.0

DJA 09 15:17:25.3±0.9, 2S:2'10.0E±1', h25km±9km, M3.9/14, MLV3.9/14

ISC 09 15:17:26.1±0.9, 183S:0.005, 100.39E:0.06, h56km, n27, r102/21, mb4.0/3, Southern Sumatera

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC. Lists various seismic stations and their details.

BGR 09 15:21:37.6, 32°34'N, 138°64'E, h344km, mb5.0
JMA 09 15:21:40.2±0.3, 33°N±1.3, 138°E±1.3, h367km, 3km, MD5.2/38, MW5.2/38, FAR S OFF TOKAI DISTRICT

JMA Fell II J1 at FAR S OFF TOKAI DISTRICT.
NIED 09 15:21:40.2, 33°24'N, 138°09'E, h367km, MW5.3, Moment Tensor Solution.

NEIC 09 15:21:41.0±0.8, 33°14'N, 137°86'E, h351km, mb5.0/59. Error ellipse: s-maj=6.5km s-min=3.5km az=112.9

BUI 09 15:21:41.6, 33°27'N, 137°75'E, h354km, mb5.1/81, mb5.2/27

NEIC 09 15:21:41.5±1.1, 33°18'N±0.7, 137°93'E±1.0, h342km±6km, mb4.9/409, Error ellipse: s-maj=11.9km s-min=9.8km az=104.0

IDC 09 15:21:42.7±0.5, 33°17'N±1.3, 137°86'E, h352km±4km, mb4.5/49, mbtmp5.2/55, Error ellipse: s-maj=7.7km s-min=5.6km az=75.0

GCMT 09 15:21:43.5±0.3, 33°14'N±0.4, 137°82'E±0.4, h354km±2km, MW3.7/7, Moment Tensor Solution. s77±106; Duration: 1s1; Moment tensor: Scale 10^17Nm; Mn=0.32±0.03; Mw=0.31±0.05; Mx=0.62±0.05; My=0.36±0.04; Mz=0.57±0.04; Mr=0.65±0.04; Best double couple: Mo1.075000×10^17 Np1.19400000, δ78.00000°, λ134.00000°. NP2.09700000, δ45.00000°, λ18.00000°.

Principal axes: T 1.0970, Plg41.0000°, Azm144.0000°; N -0.0430, Plg42.0000°, Azm2.0000°; P -1.0540, Plg20.0000°, Azm253.0000°; nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function

ISC 09 15:21:42.4±0.3, 33°22'N±0.03, 137°89'E±0.03, h351km±2km, h351km±2km, P, n251, r152/71, 12.5, mb4.9/365, 6.4C-46D, Near south coast of eastern Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC. Lists stations for the ISC event.

Main station list table for the 2018 DEC event, with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC. Lists various seismic stations and their details.

Main station list table for the 684 event, with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC. Lists various seismic stations and their details.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Rows include M14K Bethel, N14K Kuskokwac Cree, O14K Tiguyakuiv M, etc.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Rows include R17L Mt. Peulik Vol, F19K Shalerucik Mo, J18K Innok River, etc.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Rows include CAPN Captain Cook N, BPAW Bear Paw Mtn, DRK Karamk, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like KIV Kislovodsk, SHAJN Shidzhatmaz, MZR Muzera, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like WVOR Wild Horse Val, PLID Pearl Lake, SORM Soroca, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like CJR Cluj-Napoca, MESR Meseset, HVU Hansel Valley, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like ZSN Zaisan, AB31 Akbulak array, AB31 Akbulak array, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like TIXI Tiksi, SPITS Spitsbergen Ar, KMBO Kilima Mbogo, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like KTH Augustine C, N19K Bonanza Creek, N19K Cordova Ski Ar, etc.

NEIC 09 15:40:00.9a.14.61'41N.0'03.150'08W.0.07, h46km,5km, Error ellipse: s-maj=5.0km s-min=4.4km az=49.0

AEIC 09 15:40:01.6e.0.7,61'37N.0'01.150'04W.0.06, h43km,5km, M.L3.3, M.L3.4/182(NEIC), Error ellipse: s-maj=4.9km s-min=1.0km az=66.0, Southern Alaska

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like FIS Fire Island, RC01 Rabbit Creek A, etc.

Table with columns: IAU ID, Name, RA, Dec, Pn, and other details. Includes objects like YUK3, P16K, J17K, Q28M, I26K, N15K, N15K, N15K, M15K, J16K, O15K, G21K, I15K, K15K, M14K, N14K, O14K, F20K.

1DC 09 15:29.61.1.3, 53.58N; 162.87W, h0km, mb3.6/11, mbtmp3.6/13, ML2.8/2, Error ellipse: s-maj=34.6km s-min=18.0km az=178.0

NEIC 09 15:51.31.0.1, 2.5348N; 0.16279W, 0.09, h10km, 2km, mb3.6/11, ML3.4/6, ML3.3 (A/E/C), Error ellipse: s-maj=11.3km s-min=8.2km az=143.0

AEIC 09 15:51.33.0.1, 2.5348N; 0.16279W, 0.1, h10km, 6km, Error ellipse: s-maj=12.7km s-min=6.8km az=149.0

ISC 09 15:51.32.5.0, 9.5355N; 0.16276W, 0.05, h21km, 7km, n74, c092/78, mb3.7/11, South of Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes objects like ISLZ, ISLZ, FALS, ISNN, ISNN, WECOS, AKSA, HAG, AHB, PS4A, PVV, AKBA, ZRO, PS1A, LVA, LVA, S12K, S12K, UNV, MREP, MSW, MAPS, CHGN, PLK4, O14K, ACHA, OHAQ, O16K, N15K, M13K, KD4K, KD4K, M14K, O19K, N17K, M16K, L14K, M16K, L17K, K13K, N19K, K15K, J14K, L18K, L19K, GHO, HIN, KLU, GRNC, ILAR, L27K, BCAR, G23K, M23M, E24K, D22K, D22K, TOLK, B21K, B21K, H29M, C24K, C24K, G29M, G30M, G30M, G31M, PETK, A36M, YKA, NVAR, H1N2, H1N3, H1N1, TXAR, KURBB, BVAR, AKASG, CMAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes objects like M14K, O19K, N17K, M16K, L14K, M16K, L17K, K13K, N19K, K15K, J14K, L18K, L19K, GHO, HIN, KLU, GRNC, ILAR, L27K, BCAR, G23K, M23M, E24K, D22K, D22K, TOLK, B21K, B21K, H29M, C24K, C24K, G29M, G30M, G30M, G31M, PETK, A36M, YKA, NVAR, H1N2, H1N3, H1N1, TXAR, KURBB, BVAR, AKASG, CMAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes objects like M14K, O19K, N17K, M16K, L14K, M16K, L17K, K13K, N19K, K15K, J14K, L18K, L19K, GHO, HIN, KLU, GRNC, ILAR, L27K, BCAR, G23K, M23M, E24K, D22K, D22K, TOLK, B21K, B21K, H29M, C24K, C24K, G29M, G30M, G30M, G31M, PETK, A36M, YKA, NVAR, H1N2, H1N3, H1N1, TXAR, KURBB, BVAR, AKASG, CMAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes objects like ESDC, BRTR, IDC, GUC, NEIC, ISC.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes objects like PB14, PB14, PB14, PB14, PB14, PB06, PB06, PB06, PB06, PB04, PB04, AC01, AC01, AC01, AC01, PB15, PB15, PB15, PB06, PB06, PB06, PB06, PB04, PB04, AC06, AC06, GO03, GO03, GO03, GO03, AF01, AF01, PB09, PB09, PB09, PB01, PB01, PB01, LCO, LCO, HMCB, G001, CO03, LPAZ, LPAZ, LPAZ, H03N1, H03N1, H03N2, H03N2, H03N3, H03N3, TRQA, TRQA, LL05, LL05, SNAQ, ANMO, E62A, DBIC, TORO, TORO, TORO, ZALV, MKAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes objects like H11S3, H11S2, H11S1, WAKE, FITZ, KSRS, KULM, PHRA, CMAR, LZH, LZH, LZH, GTA, GTA, GTA, SONM, SONM, SONM, K15K, K15K, J16K, J16K, E19K, E19K, IMAR, IMAR, IMAR, IMAR, ZALV, ZALV, ILAR, ILAR, D23K, D23K, QSPA, QSPA, BVAR, BVAR, TORO, TORO.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes objects like H11S3, H11S2, H11S1, WAKE, FITZ, KSRS, KULM, PHRA, CMAR, LZH, LZH, LZH, GTA, GTA, GTA, SONM, SONM, SONM, K15K, K15K, J16K, J16K, E19K, E19K, IMAR, IMAR, IMAR, IMAR, ZALV, ZALV, ILAR, ILAR, D23K, D23K, QSPA, QSPA, BVAR, BVAR, TORO, TORO.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes objects like H11S3, H11S2, H11S1, WAKE, FITZ, KSRS, KULM, PHRA, CMAR, LZH, LZH, LZH, GTA, GTA, GTA, SONM, SONM, SONM, K15K, K15K, J16K, J16K, E19K, E19K, IMAR, IMAR, IMAR, IMAR, ZALV, ZALV, ILAR, ILAR, D23K, D23K, QSPA, QSPA, BVAR, BVAR, TORO, TORO.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes objects like H11S3, H11S2, H11S1, WAKE, FITZ, KSRS, KULM, PHRA, CMAR, LZH, LZH, LZH, GTA, GTA, GTA, SONM, SONM, SONM, K15K, K15K, J16K, J16K, E19K, E19K, IMAR, IMAR, IMAR, IMAR, ZALV, ZALV, ILAR, ILAR, D23K, D23K, QSPA, QSPA, BVAR, BVAR, TORO, TORO.

ATH 09 16:18.15.3.7, 64N, 20.74E, h9km, 2km, ML2.6/7, Manual Solution by A.Fokaels This Location is located 20/07/16 11:52:22 ML Amplitudes are expressed in degrees Latitude uncertainty: 2 km; Longitude uncertainty: 2 km.

THE 09 16:18.15.9.3, 67N, 20.72E, h9km, 1km, ML2.6/4, Error ellipse: s-maj=2.8km s-min=0.6km az=54.0

ISC 09 16:18.15.8.1, 4.3767N; 0.06274E, 0.06, h11km, 5km, n24, c095/36, Ionian Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes objects like KR11, KR11, LTHK, LTHK, KYP5, KYP5, ORTH, ORTH, CLEM, CLEM, PSDA, PSDA, PSDA, PSDA, PSDA, PSDA, PSDA, PSDA, VLS, VLS, VLS, VLS, RLS, RLS, RLS, VSK1, VSK1, AMT, FSK, FSK, DRO, EVGI, EVGI, EVGI, EVGI, NYDR, NYDR, ITM, KLV, EFP, GUR.

BJI 09 16:20.09.0.49, 10N, 128.80W, h5km, mb4.8/46, mb5.5/15, M5.3/34, M5.7/4, 9/33

NEIC 09 16:20.10.48.75N; 129.23W, h7km, Moment Tensor Solution. Moment tensor: Scale 10^16Nm; Mrr:2.21, Mss:4.11, Mss:5.64, Mss:2.04, Mss:2.1; Mr:2.92; Fault plane solution: M6.50000x10^16 NP1:182.21.00000°, 88.00000°, 134.00000°. NP2:123.00000°, 85.00000°, 179.00000°. Principal axes: T: 6.2853, P: 24.0000°, Azm83.00000°; N: 0.2866, P: 16.56000°, Azm215.00000°; P: -6.5719, P: 12.22000°, Azm343.00000°.

PGC 09 16:20.10.5.0.3, 48.75N; 129.23W, h12km, ML2.5/42, M5.5/242, M5.5/242, 246km west of Tofoa, Bc Vancouver Island, Canada Region

IDC 09 16:20.11.1.0.5, 48.88N; 129.12W, h0km, mb4.3/26, mbtmp4.3/27, ML2.4/9, M3.9/14, Error ellipse: s-maj=13.2km s-min=8.3km az=50.0

MOS 09 16:20.11.6.1.0, 48.95N; 129.03W, h10km, mb5.1/32, M5.4/9.8, Error ellipse: s-maj=12.0km s-min=5.4km az=106.1

NEIC 09 16:20.13.3.2.1, 49.03N; 0.078129W, 0.1, h10km, 1km, mb5.0/319, M5.5/4.15, M5.5/4.15, M5.5/4.15, M5.5/4.15, Error ellipse: s-maj=14.7km s-min=9.4km az=230.0, Moment Tensor Solution. Moment tensor: Scale 10^17Nm; Mrr:0.15, Mss:-1.69, Mss:1.55, Mss:0.02; Mr:0.35; Mrr:0.19, Mrr:0.19, Mrr:0.19, Mrr:0.19. Principal axes: T: 6.80000°, 179.00000°, Azm61.00000°; N: 0.1258, P: 3005.00000°, Azm29.00000°; P: -1.4786, P: 8.00000°, Azm170.00000°.

NEIC 09 16:20.13.5.49, 04N; 128.85W, h16km, Moment Tensor Solution. Duration: 25 Moment tensor: Scale 10^17Nm; Mrr:-0.13, Mss:-1.37, Mss:1.50, Mss:1.50; Mr:0.50; Mrr:0.22; Fault plane solution: M1.54000x10^17 NP1: 215.19000°, 88.90000°, 134.90000°. NP2: 123.00000°, 85.00000°, 179.00000°. Principal axes: T: 6.2853, P: 24.0000°, Azm83.00000°; N: 0.2866, P: 16.56000°, Azm215.00000°.

NEIC 09 16:20.13.5.49, 04N; 128.85W, h16km, Moment Tensor Solution. Duration: 25 Moment tensor: Scale 10^17Nm; Mrr:-0.13, Mss:-1.37, Mss:1.50, Mss:1.50; Mr:0.50; Mrr:0.22; Fault plane solution: M1.54000x10^17 NP1: 215.19000°, 88.90000°, 134.90000°. NP2: 123.00000°, 85.00000°, 179.00000°. Principal axes: T: 6.2853, P: 24.0000°, Azm83.00000°; N: 0.2866, P: 16.56000°, Azm215.00000°.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes objects like AS31, ASAR, ASAR, ASAR, ASAR.

Table of river data for stations 693-118K. Columns include station ID, name, coordinates, status, and dates.

Table of river data for stations 118K-220K. Columns include station ID, name, coordinates, status, and dates.

Table of river data for stations 220K-940K. Columns include station ID, name, coordinates, status, and dates.

9d 16h

Table with columns: ID, Name, Comp, Az, El, AzEl, P, S, AzEl, P, S, AzEl, P, S. Includes entries like D19K Kuna River, B22K Teshekpuk Lake, etc.

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Table with columns: ID, Name, Comp, Az, El, AzEl, P, S, AzEl, P, S, AzEl, P, S. Includes entries like LDAQ Lac Daran, SCHO Schefferville, etc.

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Table with columns: ID, Name, Comp, Az, El, AzEl, P, S, AzEl, P, S, AzEl, P, S. Includes entries like PPT2 comp=Z,131nm,28.5s, PPT2 comp=Z,283nm,40.0s, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BRRN Barrancas-Volc, SLORE San Lorenzo - Cotopaxi, etc.

PGC 09 16:30:02.2-0.7, 48.77N, 129.15W, h10km, MLN3.3/30, Mw3.9/30, Mw3.9/30, 240km west of Tofino, BC Vancouver Island, Canada region, Vancouver Island region

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like NCHR NEPTUNE Canada, BPBE Brooks Peninsula, EDB Eliza Dome, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ARMA Armidale, CTAO Charters Tower, CAN Canberra, etc.

NAO 09 17:09:17.6, 35°56'N-123°60'E, h33km, mb3.6, IDIC 09 17:09:30.6, 1.4, 3.7, 12N:20°53'E, h0km, mb3.7/8, mbmp3.6/14, ML3.6/4, MS3.6/1, Error ellipse: s-maj=27.1km s-min=16.4km az=149.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TINTI Ternate, TINTI Ternate, LBMI Labuha, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like FSK Fiskardo, EVGI Lefkada island, EVGI Kalymna, etc.

IDC 09 17:14:21.9-1.4, 0.21N:124.40E, h0km, mb3.7/4, mbmp3.7/4, Error ellipse: s-maj=207.3km s-min=20.4km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TINTI Ternate, LBMI Labuha, SGTI Sangihe, etc.

IDC 09 17:28:06.7-1.1, 21°85'S-169°88'E, h0km, mb3.9/5, mbmp3.9/6, ML3.8/1, MS2.5/1, Error ellipse: s-maj=32.7km s-min=27.5km az=173.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MARNC Mare, Loyalty, MARNC Mare, Loyalty, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DZM, OENTC, NOUC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CMAR, TXAR, EKA, WRA, ASAR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NEW, NEW, I07A, L04D, etc.

KRSC 09 17:40:07.9; 1.0, 50.96N; 158.21E, h41km; 15km, M1.4 MOS 09 17:40:08.0; 0.8, 50.91N; 158.10E, h46km, mb4.2/1, Error ellipse: s-maj=19.5km s-min=4.2km az=85.9

IDC 09 17:40:13.2; 2.3, 42.15N; 157.96E, h71km; 26km, mb3.4/1/1, mbmp3.7/11, MS3.4/1, Error ellipse: s-maj=25.7km s-min=21.5km az=148.0

ISC 09 17:40:10.1; 1.6, 50.98N; 158.09E; 0.07, h46km; 13km, n78.1; 121/92, mb3.6/12, C, East of Kuril Islands

Main station list table for 697, containing codes, station names, and coordinates.

PGC 09 17:48:37.0; 2.7, 48.73N; 129.25W, h10km, mb4.8, MLSn3.8/34, Mw4.6, Mw4.6, 247km west of Tofino, Bc Vancouver Island, Canada Region

IDC 09 17:48:37.0; 2.7, 48.73N; 129.25W, h0km, mb4.1/1/1, mbmp4.1/2/1, ML3.5/9, MS4.0/5/2, Error ellipse: s-maj=18.6km s-min=9.6km az=46.0

NEIC 09 17:48:37.0; 2.7, 48.73N; 129.25W, h6km, Moment Tensor Solution, Moment tensor: Scale 10^19Nm, M=0.73; M=0.71; M=0.43; M=0.10; M=0.45; Fault plane solution: M1.10000, 1016 NP1; 58.0000; 570.0000; 1.610000; NP2; 296.0000; 835.0000; 1.1430000; Principal axes: T 0.9775, P1; 0.5500; Azm291.0000; N 0.1059, P2; 2.0000; Azm68.0000; P -1.0834, P3; 20.0000; Azm169.0000;

BUI 09 17:48:38.0; 4.9; 49.00N; 128.90W, h5km, mb4.6/2/2, mB5.3/9, Ms4.9/3, Mst 4.5/4

GCMT 09 17:48:39.0; 4.4; 48.75N; 0.0; 129.16W; 0.0; 4, h19km; 2km, Mw4.8/75, Moment Tensor Solution, s8, c8; s75, c97; Duration: 0 Moment tensor: Scale 10^19Nm, M=0.04; 1.3; M=1.86; 1.0; M=0.00; 0.21; M=0.02; 1.0; M=0.33; 2.0; M=0.43; Best double couple: M=2.0600; 1.017; NP1; 305.0000; 884.0000; 1.1730000; NP2; 36.0000; 883.0000; 1.60000; Principal axes: T 2.0480, P1; 9.0000; Azm261.0000; N -0.0880, P2; 8.0000; Azm87.0000; P -1.9640, P3; 1.0000; Azm351.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NEIC 09 17:48:40.9; 2.4; 48.97N; 0.0; 128.77W; 0.1; h10km; 2km, mb4.7/128, Mw4.6(OT) Error ellipse: s-maj=14.0km s-min=10.5km az=23.0

ISC 09 17:48:41.0; 48.96N; 128.65W; 0.05, h05km, n535, n123/464, mb4.6/8, MS4.1/43, Vancouver Island region

Main station list table for 2018 DEC, containing codes, station names, and coordinates.

Main station list table for 9d 17h, containing codes, station names, and coordinates.

9d 17h

Table with 10 columns: Station ID, Name, Elevation, Frequency, Power, Modulation, and other technical details. Includes stations like L26K Log Cabin Wild, SRU San Rafael Swe, HARP HAARP, etc.

2018 DEC

Table with 10 columns: Station ID, Name, Elevation, Frequency, Power, Modulation, and other technical details. Includes stations like NEA2 Nenana, G27K Doyon Strip, BRIGG Briggsdale, etc.

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Table with 10 columns: Station ID, Name, Elevation, Frequency, Power, Modulation, and other technical details. Includes stations like ANMO Albuquerque, H20K Antennegaga Mo, E24K Your Creek, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include: RDQG Red Dog Mine, SCIA State Center, ODSA Odessa, A21K Barrow, C17K DeLong Mountain, SPIA Saint Paul Is, B18K Kokolik River, SN07 Snyder O, WMOK Wichita Mountain, N38A Joes South For, A19K Wainwright, APMT Aspermont, C16K Lisburne Hills, ALPN Alpine, OK052 Battle Ridge R, FNO Franklin, L40A Anomasa, WFTS Witchita Falls, WFTS, JFW5 Lajitas Ar, SX31 Lajitas Ar, TXAR Lajitas Ar, OZNA Ozona, SAND Sanderson, N41A Harden Midland, JCT Junction City, PJCT La Paz, MGMO Mountain Grove, DRIO Del Rio, L44A Lake County Fo, RES Resolute Bay, LCAR Lake Charles, WLAR White Oak Lake, 833A Chaparral WMA, 833A Chaparral WMA, 048B Farmland, NMSO Nemaoka Statio, SADO Sadowa, LG4Q Grande 4, WVN West Valley, WNY White Valley, TKL Tuckaleechee C, GAC Glen Almond, TRQ Mont Tremblant, SCH0 Schefferville, SCH0, KSC2 Kent School, SFJD Kangaroo, SEY Seymchan, SUMG Summit, PETK Petropavlovsk, MA2 Magada, TXI Tiksi, SPITS Spitsbergen Ar, JTS Las Juntas de, YAK Yakutsk, ASAJ Asahikawa, TAOE Nuku Hiva Isla, SJG San Juan, H1N12 WAKE ISLAND Hy, H1N13 WAKE ISLAND Hy, H1N14 WAKE ISLAND Hy, NRIK Norik, ARCES ARCES ARRAY B, HEH Heihe, SDV Santo Domingo, MJAR Matsuhiro Arr, NOA NORARS ARRAY B, NOA, HFS Hagfors, HFS, PPT Papeete, PP22 Papeete2, SONM Songiro Array, KIRV Kirov, ZALV Zalesovo Beal, ZALV, TBI Tubuai, ARTI Art, OBN Obninsk, HHC Hu-ho-hao-te, HHC, MDP Montagnes des

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include: BVAR Borovoye Array, BVAR, HNS Hongshan, KURBB Kurchatov Arra, AKASG Malin Array Be, AKASG, BELG Belogomorye, ESDC Sonsea Array, NJ2 Nanjing, NJ2, AKTO Aktyubinsk, MKAR Makanchi Array, MKAR, MSVF Nonsau, WMQ Urumqi, LZH Lanzhou, LZH, LPAZ La Paz, LPAZ, HNR Honiara, AAK Ala-Archa, KBZ Khabaz, GNI Garni, DZM Mont Dzumac, DZM, JAY Jayapura, PZH Panzhihua, PZH, DAV Davao City (W), MMAI Mount Meron Ar, BOSA Boshof, IDC OR 17:50:02.0, STKA Stephens Creek, WRA Warranguna Arr, ASAR Alice Springs, ASAR, IDC OR 18:13:39.6, ASAR Alice Springs, ASAR, WRA Warranguna Arr, WRA, AKASG Malin Array Be, BRTR Keskif Array B, MMAI Mount Meron Ar, IDC OR 18:14:19.4, PGC OR 18:14:19.0, NEIC OR 18:14:19.1, NEIC OR 18:14:23.9, IDC OR 18:14:21.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include: BFB5 Bamfield, BFB5, B928 Bamfield, CBB Campbell River, CBB, B927 Port Alberni, B927, PABP Port Alberni, PABP, MGRB Mount Grey, MGRB, PFB Port Renfrew, PFB, PTRF Port Renfrew, PTRF, TXB Texada, TXB, B926 Mesachia Lake, CLRS Cowichan Lake, CLRS, NLLB Nanaimo Lost L, NLLB, NLLB, SHB Sechart, SHB, SHB, BBB Bella Bella, BBB, BBB, BBB, SYMB Survey Mountain, SYMB, GARI Gairloch Island, STW Striped Peak, B009 North Saanich, B010 North Saanich, PGCS Sidney, GCB Cowichan Lake, B011 North Saanich, OSD Olympics-Snow, B1B Bowen Island, B04A Port Angeles, NLWA Neilton Lookoo, GNB Gairloch, SNB Saturna Island, WISH Wishkah, WISH, MGMB Mountain Meage, MCGW Mount Constitu, WHS Whistler, HNBB Haney, BUTB Butedale, BUTB, GNRW Green Mountain, GNRW, GRIB Gribbell Island, MBW Mount Baker, HWKB Hawkspury Isla, LLLB Lillooet, LLLB, RPW Rockport, HOPB Hope, D05A Enumclaw, D05A, UBRB Upper Bezaeako, UBRB, LON Longmire, LON, LON, FMW Mount Fremont, F04A Amboy, LTV Liberty, LTV, COR Corvallis, HOOD Mount Hood Mea, FSJB Fort St James, MCK Moxie City, GUMC Gull Mountain, H04A Detroit Lake, B08A Colville Reser, B08A, E07A Sunnyside, G06A Caspari Farm, H07A Hilltop Hill Vi, HAWA Hanford, D08A Wolfman Farm, C09A Chrisman Ranch, C09A, G08A Pilot Rock, NEW Newport, NEW, NEW, NEW, I07A Izeze, F10A Beach Ranch, E, YBE Blue Hor, YBE, YBE, BMO Blount Mountain, NBCC Northern BC 5, DLBC Dease Lake, DLBC, ORV Oroville, HLID Hailey, DLMT Dillmore, MCMC Marconi Conter, MNB Battle Mountain, BMM Columbia Colte, ELK Elko, ELK, ELK, ELK, RHH Rhododendron, RHH, NVAR Mina Array Bay, Q12A Willow Greains, PDAR Pinedale Array, PDAR, PDAR, TPNV Topopah Spring, PRN Pahroc Range, ISA Isabella Lake, YKA Yellowknife Ar, SHRP Sheep Range, P17A Butcher Ranch, Q16A Castle Valley, P18A Preston Nutter, MTPU Mount Peterson, SRU San Rafael Sew, LCMT Little Creek M, PKCU Pink Cliffs, KNB Kanab, K22A Casper, K27K Chicken, I30M Mount Dempster

Table with columns: Code, Station Name, Az, El, Pn, Pn, Time, Res, ISC. Includes stations like Verde Repeater, Cape Douglas, Wood River Hill, etc.

IDD 09:19:00:24.8:0.5,61.55N:150.13W,h0km,mb4.9/38, mbmp4.8/42,ML4.2/4,MS3.8/58,Error ellipse: s-maj=13.9km s-min=8.2km az=24.0

Table with columns: Code, Station Name, Az, El, Pn, Pn, Time, Res, ISC. Includes stations like Fire Island, Willow, Rabbit Creek A, etc.

Main table with columns: Code, Station Name, Az, El, Pn, Pn, Time, Res, ISC. Includes stations like KNK, KNK, SML, SML, SML, etc.

Table with columns: Code, Station Name, Az, El, Pn, Pn, Time, Res, ISC. Includes stations like L19K, L19K, HARP, HARP, O19K, O19K, etc.

Table with columns for station ID, name, frequency, and other technical details. Includes stations like ILAR, N17K, J19K, etc.

Table with columns for station ID, name, frequency, and other technical details. Includes stations like J17K, J17K, O28M, etc.

Table with columns for station ID, name, frequency, and other technical details. Includes stations like F19K, F19K, H16K, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like C19K Lookout Ridge, G31M Satah River, S32K Killisnoo, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like YBH Yreka Blue Hor, FFC Flin Flon, MFID Camas Ranch, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like YAK Yreka, YAK Yreka, YAK Yreka, etc.

PRE 09 19:35:30.7,0.7,26.85S,26.51E,h2km,ML2.6
BGSI 09 19:35:36.6,2.2,27.36S,26.54E,h139km,39km,ML3.0
ISC 09 19:35:33.4,0.8,27.05S,26.55E,0.04,h10km,n30,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Boshof, Makgori, Lobatse, Kaudwane, etc.

DJA 09 19:42:25.4,1.4,0.8S,13.3E,h16km,12km,M3.9/7,
mb4.5/3,mb5.1/2,MLV3.6/7,Mw(mB)4.4/2,Irian Jaya
region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Sorong, Ransiki, Fak Fak, etc.

MEX 09 19:42:31.8,1.2,14.43N,92.48W,h85km,25km,MD4.4
CATAC 09 19:42:31.7,0.5,14.63N,92.58W,h40km,8km,ML4.1
SNVET 09 19:42:32.7,1.1,14.59N,92.35W,h26km,10km,ML4.1
GCG 09 19:42:34.0,0.5,14.34N,92.22W,h64km,14km,MD3.9
ISC 09 19:42:33.7,1.2,14.69N,92.37W,0.03,h78km,9km,

n63, s1999/111, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Catarina, Retalhuleu, Labor Ovalle, etc.

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Fuego 3, Sabana Grande, Comitan, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Diego Aracena, IPOC Station P, etc.

SJA 09 20:12:13.0,34.08S,70.52W,h91km,ML3.5
GUC 09 20:12:13.5,0.6,34.07S,70.45W,h107km,2km,ML3.8
ISC 09 20:12:13.3,1.5,34.07S,70.04W,h106km,8km,

n49, s052/63,9C, Chile-Argentina border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like La Punta, Las Melosas, etc.

ISC 09 20:16:30.0,2.7,40.68S,43.94E,h0km,mb4.0/4,
mbmtp4.0/4, Error ellipse: s-maj=289.9km
s-min=30.7km az=34.0, Southwest Indian Ridge

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Torodi Ar. Bea, Alice Springs, etc.

ISC 09 20:16:43.6,2.2,5.43S,128.38E,h0km,mb3.2/1,
mbmtp3.2/3,ML3.3/2, Error ellipse: s-maj=119.0km
s-min=21.6km az=67.0

DJA 09 20:16:44.9,0.8,5.5S,7.12E, h27km,6km,M3.3/7,
MLV3.3/7

ISC 09 20:16:46.1,1.4,9.00S,129.45E,0.06,h35km,n9,
s1919/12, Banda Sea

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

9d 20h

Table of astronomical observations for 9d 20h, listing stations, station names, coordinates, and observation details.

RSNC 09 20:40:01.8 ± 0.0 9'N ± 1.7'W, h56km, 5km, M2.5, mb3.5, ML2.3, Panama-Colombia border region

Table of astronomical observations for RSNC 09 20:40:01.8 ± 0.0 9'N ± 1.7'W, listing stations, station names, coordinates, and observation details.

2018 DEC

Main table of astronomical observations for December 2018, listing stations, station names, coordinates, and observation details.

710

Table of astronomical observations for 710, listing stations, station names, coordinates, and observation details.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Vilhena, Ribas do Rio P, Santo Antonio, Pitanga, Cacapava Do Su, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MT12, LMEL, LMEL, Las Vizcachas, Curacav, Renca, Universidad Ad, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MVO, ESPR, EPLA, EPLA, EPLA, etc.

MDD 09 20:55:45.7, 1.3, 37.55N: 14.12W, h0km, Mb3.8/10, M, mb3.1/8, Error ellipse: s-maj=8.5km s-min=7.1km az=46.0

IGIL 09 20:55:47.1, 37.55N: 14.12W, h8km, ML2.6 INMG 09 20:55:48.3, 1.3, 37.34N: 14.43W, h21km, ML2.6, Error ellipse: s-maj=7.4km s-min=6.6km az=128.0

ISC 09 20:55:45.7, 37.55N: 14.12W, h10km, n49, r18190, 10C, Azores-Cape St. Vincent Ridge

PGC 09 20:58:53.4, 1.2, 48.77N: 129.28W, h10km, ML3.3/30, Mw3.9/30, Mw3.9/30, 249km west of Tofino, Bc Vancouver Island, Canada Region

IDC 09 20:58:54.9, 2.1, 48.94N: 128.95W, h0km, mb3.3/3, mbmp3.4/9, ML3.3/5, MS3.3/9, Error ellipse: s-maj=35.5km s-min=12.3km az=71.0

ISC 09 20:58:57.3, 2.2, 49.02N: 105.12879W, 0107, n11619, n3, r13071, mb3.2/7, mb3.2/3, MS3.5/3, Vancouver Island Region

713

Table with columns for station call signs (e.g., PZX, MRZ, BFZ), names (e.g., Pawanui, Mangatainoka R), frequencies, and other technical data.

2018 DEC

Table with columns for station call signs (e.g., PZH, CD2, HHC), names (e.g., Chengdu, Hu-ho-hao-te), frequencies, and other technical data.

9d 21h

Table with columns for station call signs (e.g., HSIG, WVOR, BMN), names (e.g., Wattle Horse Val, Battle Mountai), frequencies, and other technical data.

Table with columns for station call signs (e.g., W13A, I07A, Y14A), names (e.g., Hualapai Moun, Ize), frequencies, and other technical data.

Table with columns: ID, Station Name, Azimuth, Phase, Time, Res. Includes stations like IPOC Station P, FSA Cafayete, and TA01 Diego Arcarena.

IDD 09 22:06:21.71.0.7.41.16S;43.60E, h0km, mb4.2/7, mbmp4.2/8, ML3.4/1, MS3.5/6, Error ellipse: s-maj=41.1km s-min=18.9km az=33.0

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes CROZET ISLANDS, GRHM Grahamstown, and WRA Warramunga Arr.

Table with columns: CPUP, BELG, KIRV, ULM, TXAR, IDC, BOSA, LBTB, KMBO, MBAR, OSPA, PALK, TORD, ASAR, ULM, TXAR. Includes stations like Villa Florida, Belgomroye, Kirov, and various IDC and ASAR entries.

DJA 09 22:24:48.6 0.4 8'S, 2.12'0"E, h 147km, 6km, M3.9/14, mb3.9/4, mb5.2/1, ML3.9/14, Mw(m)B4.6/1. IDC 09 22:24:49.1 2.1 7.38S, 120.37E, h216km, 16km, mb3.0/3, mbmp3.5/4, Error ellipse: s-maj=92.5km s-min=14.4km az=50.0

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes STKA Stephens Creek, WBSI Waikabubak, WSI Waingapu, and TRN 09 22:25:20.7, 14.75N-60.39W, h45km, MD3.7, East of Martinique.

Table with columns: PEAOB, WB2, WRA, GSI, MK31, MKAR, PSA00, J17K, F17K, RDOG, KURBB, N18K, BVAR, ABKAR, FINES, NOA. Includes stations like Petropavlovsk, Warramunga Arr, Kurshov Arr, etc.

NEIC 09 22:32:14.3 1.1 61.37N, 0.033W, h0km, 1km, Error ellipse: s-maj=3.7km s-min=3.2km az=145.0. AEIC 09 22:32:15.0 1.1 3.6138N, 150.02149W, h0.05, h39km, 4km, ML2.4, ML2.7/12(NEIC), Error ellipse: s-maj=3.7km s-min=3.1km az=145.0, Southern Alaska

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes Fire Island, Rabbit Creek A, Susitna One, Willow, Palmer, Glory Hole C, Knik Glacier, and many others.

Table containing station call signs, names, and coordinates for stations T through W. Includes entries like Tsumeb, SNA, SNA, KIBK, MBAR, CASY, QSPA, SHEL, etc.

Table containing station call signs and names for stations H through W. Includes entries like H11S3, H11S2, YKA, SONM, NVAR, SPITS, MKAR, MK31, BVAR, TXAR, ABKAR, NOA, HFS, BRTR, etc.

Table containing station call signs and names for stations MT through W. Includes entries like MTBS, MTBS, ZSN, ZSN, KST, KST, KST, DGS, DGS, DGS, TKM2, TKM2, TKM2, CHMS, CHMS, CHMS, BTLS, BTLS, KK31, KK31, etc.

Station identification information including coordinates, elevation, and technical details. Example: IDC 09 22:53:57.3: 1.5, 52.03N:175.13E, h0km, mb3.6/11, m1mp3.6/12, ML2.9/1, Error ellipse: s-maj=39.05km...

Main station list table (left side) with columns for Code, Station Name, Azimuth, Phase, ID, Time, and Res. Includes stations like SHEM, SHEM, KIWB, ADK, ATKA, etc.

Main station list table (middle) with columns for Code, Station Name, Azimuth, Phase, ID, Time, and Res. Includes stations like DJR, DJR, PDGJ, PDGJ, KAPK, KAPK, SHLS, SHLS, etc.

Main station list table (right side) with columns for Code, Station Name, Azimuth, Phase, ID, Time, and Res. Includes stations like IDC, IDC, OSPL, OSPL, NEIC, NEIC, RSPR, RSPR, etc.

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Table with columns for station call letters (e.g., JANB, MAL2, MAL2), frequency, power, and other technical details. Includes sub-headers for 'OTAV' and 'ROSC'.

2018 DEC

Main table listing radio stations with columns for call letters, frequency, power, and other technical details. Includes sub-headers for 'T50A' and 'TARX'.

9d 23h

Table listing radio stations with columns for call letters, frequency, power, and other technical details. Includes sub-headers for 'QSPA', 'BATG', 'SDCO', 'L22A', '113A', 'VLDQ', 'WUAZ', 'ESJSD', 'YUH', 'PV02', 'PV13', 'PV03', 'PV18', 'PV12', 'ICQ', 'PV22', 'PV10', 'U15A', 'N23A', 'N23A', 'HMU', 'H2U', 'PFO', 'PFO', 'O20A', 'O20A', 'KNB', 'KNB', 'PKCU', 'PKCU', 'V12A', 'V12A', 'V12A', 'V12A', 'MTPU', 'EYMN', 'EYMN', 'Q16A', 'Q16A', 'P18A', 'P18A', 'P17A', 'P17A', 'MSU', 'MWU', 'MTUT', 'SHRP', 'RDMU', 'GSC', 'BSUT', 'GWY', 'GWY', 'PSUT', 'CCAC', 'CCAC', 'TPNV', 'JLU', 'WCT', 'SPR3', 'SPR3', 'ISA', 'DUG', 'R11B', 'R11B', 'PD31', 'PDAR', 'PDAR', 'GMN', 'SPUT', 'MZZP', 'DSP', 'AHID', 'AHID', 'HUV', 'ULM', 'ULM', 'ULM', 'LOHW', 'TAW', 'OMMB', 'ELK', 'LXHY', 'FVW', 'NVAR', 'NVAR', 'PMPB', 'FLWY', 'FLWY', 'SCHO', 'SCHO', 'RYN', 'RLMT', 'YNE', 'YNE', 'VYDA', 'VYDA'.

2018 DEC

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like YMR Madison River, WAKR Walker, YHH Holmes Hill, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like BO01 Tunca, BO02 Tunca, BO03 Huilane, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like BARC Barrichara, BRIC Barrichabermej, PAMC Pamplona, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like Nelyaty, Olekminsk, Tupik, Tynda, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, SNR. Includes stations like Makanchi Array, ARCESS Array B, Eielson Array, etc.

IDC 09 23:41:58.91.4.41.15S:43°30'E, h0km, mb3.6/2, mbmtmp3.6/2, MS3.0/1, Error ellipse: s-maj=133.6km s-min=41.4km az=30.0, Prince Edward Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Ambohidratampo, Tor Ar, Bea, etc.

NEIC 10 00:26.5:2.3, 1.65N:0°08'126.14E:0.07, h10km, 1km, mb4.3/14, Error ellipse: s-maj=15.7km s-min=8.6km az=214.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Ternate, Sangihe, Cibinong, Labuha, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Warrunganga Arr, WRA, WBD, WBB, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like FITZ, YULB, WBW, COEN, WRA, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like AS31, ASAR, GIRL, BBOO, STKA, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, SNR. Includes stations like BARC, PAMP, San Pablo de B, etc.

TRN 10 00:43:07.0, 15°26'N-61°11'W, h150km, MD3.5, East of Dominica, Leeward Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like MDN, DSLEB, Ilet Lapin Mar, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like PRZ, KDJ, ANVS, TARG, SATY, etc.

Table with columns: STKA, Stephens Creek, 35.91 156 P P, 01 33 06.3 +0.5, etc. Includes various station names and coordinates.

Table with columns: SIMJ, Simiganj, 63.79 313 P Iamb P, 01 36 36.0 -1.3, etc. Includes various station names and coordinates.

Table with columns: M30M, comp=Z,4.0nm,1.1s, Iamb Iamb, 01 39 20.1, etc. Includes various station names and coordinates.

THE 10 01:42:34.8, 36:48N-28:74E, h1km, 1km, ML2.2/1, Error ellipse: s-maj=1.8km s-min=0.9km az=88.0, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes station names like FETHIYE, DALYAN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes station names like ARG, KASTELLORIZON, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes station names like DATCA, MUGLA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes station names like BODRUM, AYDIN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes station names like ORDUBAD, NAKHCHIVAN, etc.

Table with columns: LRK, GLBA, Cllabab, S, Sg, 01 50 09.8 +2.7, 01 50 10.6 -0.2

AEIC 10 01:58:38.9, 1.7, 61.37N, 0.02:150.09W, 0.04, h20km, 7km, Error ellipse: s-maj=2.9km s-min=2.8km az=162.0

NEIC 10 01:58:39.3, 1.1, 61.40N, 0.02:150.04W, 0.04, h41km, 4km, ML2: 6/136, ML2.5(AEIC), Error ellipse: s-maj=3.4km s-min=2.8km az=177.0

ISC 10 01:58:39.7, 1.6, 61.38N, 0.03:150.06W, 0.03, h36km, 1km, h89, c078/102, Southern Alaska

Main table of station data for the first section, including columns for Code, Station Name, Az, AzZ, Phase ID, Time, Res, and various station identifiers like FIS, RCO1, M22K, etc.

Table with columns: RIDG, Independent Ri, 3.38 43, Pn, IAML, Pn, 01 59 31.8 +1.9, 02 00 18.1

Main table of station data for the second section, including columns for Code, Station Name, Az, AzZ, Phase ID, Time, Res, and various station identifiers like CCB, M17K, N17K, etc.

PRES 10 02:03:46.6, 0.6, 26.40S, 27.61E, h2km, ML2.4 BUL 10 02:03:51.4, 0.8, 26.50S, 27.57E, h10km, MD3.1

BGSI 10 02:03:53.4, 0.7, 26.32S, 27.63E, h0km, 93km, ML2.7 ISC 10 02:03:46.5, 1.3, 26.43S, 27.64E, 0.03, h4km, 10km, n05, c186/63, South Africa

Main table of station data for the third section, including columns for Code, Station Name, Az, AzZ, Phase ID, Time, Res, and various station identifiers like HRAO, PRYS, SNKL, etc.

Table with columns: KDWAN, comp=E,38nm,0.3s, IAML, 02 05 56.7

Main table of station data for the fourth section, including columns for Code, Station Name, Az, AzZ, Phase ID, Time, Res, and various station identifiers like MOPA, MUSN, BROLN, etc.

NIED 10 02:07:00.9, 37.52N, 141.75E, h40km, MW3.6, Moment Tensor solution, s3 Moment tensor: Scale 10^14Nm

JMA 10 02:07:00.9, 0.1, 37.52N, 141.75E, 0.08, h40km, 2km, MW3.6/36, 8D, E OFF FUKUSHIMA PREF, Near east coast of eastern Honshu

Main table of station data for the fifth section, including columns for Code, Station Name, Az, AzZ, Phase ID, Time, Res, and various station identifiers like JMST, JFJK, JIKH, etc.

IDC 10 02:10:10.1, 1.5, 8.06S, 109.58E, h0km, mb3.8/4, mbmtb3.8/5, ML3.3/1, Error ellipse: s-maj=85.2km s-min=19.6km az=39.0, Jawa

Main table of station data for the sixth section, including columns for Code, Station Name, Az, AzZ, Phase ID, Time, Res, and various station identifiers like LEM, WRA, STKA, etc.

DJA 10 02:13:07.2, 0.6, 0.4N, 9.6E, h10km, M4.5/12, mb4.4/3, MLV4.5/12

NEIC 10 02:13:08.1, 1.1, 0.00S, 0.07:96.5E, 0.1, h10km, 1km, mb4.4/12, Error ellipse: s-maj=11.4km s-min=11.4km az=275.0

IDC 10 02:13:19.6, 4.4, 0.41N, 96.88E, h115km, 35km, mb3.6/14, mbmtb3.9/16, MS3.1/2, Error ellipse: s-maj=39.3km s-min=13.7km az=56.0

ISC 10 02:13:09.6, 0.6, 0.06N, 0.06:96.43E, 0.07, h32km, m59, c1942/55, mb4.2/21, Off west coast of northern Sumatra

Main table of station data for the seventh section, including columns for Code, Station Name, Az, AzZ, Phase ID, Time, Res, and various station identifiers like GSI, PPSI, SISI, etc.

Table with columns: WRO, WRO, ASAR, JUNU, ARSB, MK31, MK31, MKAR, MKAR, SONM, KKR, KURBB, STKA, USRK, ZAAO, ZAAO, ZALV, ZALV, BVAR, ABKAR, H04N2, H04N1, H04N3, H04N1, H04S3, H04S2, KBZ, BRTR, AKASG, AKBB, KIEV, KIEV, FINES, BKZ, ARCES, TXAR, BG3

TEH 10 02:15:19.8,28.54N,56.76E,h10km,ML2.9
OMAN 10 02:15:21.6,38.2856N,57.00E,h35km,gkm,mb3.9/1,
m3.2/10, Error ellipse: s-maj=13.5km s-min=2.6km
az=36.0

ISC 10 02:15:22.2,1.0,28.54N,0.05,56.86E,0.06,h31km,n27,
r125/42,Southern Iran

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

NEIC 10 02:56:29.6,1.1,25.6S,0.1,177.4W,0.2,h125km,10km,
mb4.4/15, Error ellipse: s-maj=20.7km s-min=15.1km
az=68.0
IDC 10 02:56:34.9,3.8,25.14S,177.50W,h178km,32km,mb3.6/8,
mbtmq2.9/9, Error ellipse: s-maj=24.2km s-min=20.6km
az=87.0

ISC 10 02:56:32.0,0.8,25.3S,0.1,177.5W,0.1,h150km,n36,
r131/37,mb4.2/17,3C,South of Fiji Islands

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

Table with columns: WRO, WRO, WB2, WRAB, WB0, WRA, WRA, FORT, FORT, VNSA, VNSA, PSAA0, PSAA0, QSPA, TROLL, SNA, SNA, SNA, VNA3, NVAR, HFS, AKASA, BR131, BRTR, BRTR, MMAL, BURAR

NEIC 10 03:00:29.6,2.6,3.72N,0.06,122.2E,0.1,h584km,6km,
mb4.4/94, Error ellipse: s-maj=17.2km s-min=8.6km
az=82.0
DJA 10 03:00:30.5,0.2,4.1N,4.12E,h597km,3km,M4.5/19,
mb4.9/8,mb4.6/19,ML4.9/12,MEW(mb)4.2/8
IDC 10 03:00:31.4,1.1,3.63N,122.23E,h621km,13km,mb3.6/32,
mbtmq4.5/33, Error ellipse: s-maj=16.7km s-min=6.7km
az=71.0

ISC 10 03:00:30.0,0.3,3.59N,0.04,122.20E,0.07,h604km,n200,
r108/215,mb4.3/84,1C,Celebes Sea

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

Table with columns: ASAR, ASAR, PZH, PZH, LYN, LYN, XAN, XAN, TIA, TIA, MORW, MORW, KORA, KORA, FORT, FORT, MJAR, MJAR, SHL, SHL, LZH, LZH, LZH, LZH, HHC, HHC, HHC, HHC, BBOO, BBOO, STKA, STKA, XLT, XLT, GTA, GTA, GTA, GOMU, GOMU, GOMU, USA0B, USA0B, USA0B, USRK, USRK, USRK, JKA, JKA, JKA, ULN, ULN, ULN, SONM, SONM, SONM, SONM, CAN, CAN, CAN, HEH, HEH, HEH, WMQ, WMQ, WMQ, WUS, WUS, WUS, NIL, NIL, NIL, MK31, MKAR, MKAR, MKAR, MAKZ, MAKZ, MAKZ, TKM2, TKM2, PETK, PETK, PETK, AAK, AAK, AAK, AML, AML, USP, EKS2, KBL, YAK, YAK, YAK, GAR, GAR, GAR, ZAAO, ZAAO, ZALV, ZALV, ZALV, ZALV, BTK, KURKB, KURKB, KURK, KURK, SIMJ, KKR, BVAR, BRVK, BRVK, TIXI, TIXI, TIXI, ABKAR, NRIK, NRIK, NRIK, AKTO

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes entries like CTM Charters Tower, PZH PanZhiHua, ARSB Arslanbob, etc.

ISD 10 03:20:47.5-0.9, 2.93S; 130.03E, h0km, mb4.0/10, mbtmp4.0/12, ML3.9/2, MS3.5/4, Error ellipse: s-maj=55.4km s-min=16.4km az=70.0

DJA 10 03:20:52.0-0.8, 3.3S; 143.13E, h18km, 7km, M3, 9/9, MLV3.9/9

ISD 10 03:20:51.5-0.6, 3.00S; 0.06:130.02E:0.04, h25km, n23, e1946/25, mb4.0/9, Seram

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes entries like MSAL Masohi, BNDI Bandanaira, AAI Ambon, etc.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes entries like ZALV, KURBB Kurchatov Arra, BVAR Borovoye Array, etc.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes entries like MARNC Mare, Loyalty Islands, YATNC Yatic, etc.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes entries like NGCH Negor - Chabah, JLN Jabal Bani Buh, WBK Wadi Bani Khal, etc.

IDC 10 04:06:05.2-0.7, 40.32N; 63.11E, h0km, mb4.1/22, mbtmp4.2/31, ML4.0/9, MS3.6/7, Error ellipse: s-maj=13.7km s-min=7.4km az=170.0

MOS 10 04:06:06.4-1.6, 40.44N; 63.28E, h25km, mb4.5/20, Error ellipse: s-maj=5.2km s-min=4.9km az=163.3

NEIC 10 04:06:06.1-1.9, 40.41N; 63.28E; 0.1, h10km, 1km, mb4.6/50, Error ellipse: s-maj=14.6km s-min=12.3km

az=236.0, preliminary

ISU 10 04:06:09.4, 40.35N; 63.13E, h15km

NNC 10 04:06:10.7-3.3, 40.66N; 63.28E, h32km, 30km, mb4.3, mrv4.0, Error ellipse: s-maj=24.6km s-min=14.2km

az=33.0

ISC 10 04:06:06.3-0.3, 40.48N; 0.04:63.29E:0.03, h13km, n241, e224/274, mb4.4/57, MS3.5/2.5, 41C-11D, Northwestern Uzbekistan

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes entries like Code Station Name, Azimuth, Elevation, Phase ID, Time, Res, etc.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes entries like AAK, AAK, AAK, etc.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes entries like AB31 Akbulak array, AB31 Akbulak array, etc.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes entries like OTUK Ortauy, OTUK Ortauy, etc.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes entries like NDL Nilore, NDL Nilore, etc.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes entries like MDOK Medeo, MDOK Medeo, etc.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes entries like AKTO Aktyubinsk, AKTO Aktyubinsk, etc.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes entries like AKTO Aktyubinsk, AKTO Aktyubinsk, etc.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes entries like AKTO Aktyubinsk, AKTO Aktyubinsk, etc.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes entries like AKTO Aktyubinsk, AKTO Aktyubinsk, etc.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes entries like AKTO Aktyubinsk, AKTO Aktyubinsk, etc.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes entries like AKTO Aktyubinsk, AKTO Aktyubinsk, etc.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes entries like AKTO Aktyubinsk, AKTO Aktyubinsk, etc.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes entries like AKTO Aktyubinsk, AKTO Aktyubinsk, etc.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes entries like AAK, AAK, AAK, etc.

10d 4h

Table of station data for the 10d 4h period, including station names, coordinates, and various parameters like elevation and signal strength.

2018 DEC

Main table of station data for December 2018, listing stations such as Muntele Rosu, DOPRA, BURAR, and others with their respective coordinates and parameters.

728

Table of station data for the 728 period, including stations like L29M, L29M, BRKL, M31M, and others with their coordinates and parameters.

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like Alice Springs, ASAR, MTN, NORT, KNRA, FAKI, FITZ, SOEI, PMA0, MBWA, NWA0, VVDA, MORW, TOL2, JAGI, MJAR, KKM, UGM, ADK, YULB, PETK, KSRS, SNCC, KMRM, CBX, ESJX, YUH, PLK4, OHAK, ONIB, YB, WAKR, PNTR, L04D, NVAR, BLYC, 113A, BUCK, O18K, J05D, N17K, H04A, ILSW, PINE, PRN, BNX, R11B, L16K, WWOR, I07A, L07A, J08A, SPU, LON, L18K, SPR3, KNB, PSUT, U15A, STLK, L19K, ELK, PWL, SUA, MAW, PKCU, E07A, MTPU, GHO, BERG, SML, SML.

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like Sheep Creek Mo, SCM, CROM, TGL, VRDI, CAST, N25K, GRNC, GLB, F10A, B08A, LOGN, PLID, CTGM, TRUI, HLID, RND, DHY, SRU, VHRN, BSUT, TX31, TXAR, Q32M, I21K, NEA2, O30N, WRH, HDA, HDB, BCAR, IMAR, ILAR, DLMT, M30M, YHL, PDAR, ELIB, HHC, E22K, BMAR, I30M, TOLK, DAWY, ELIB, HHC, E22K, BMAR, I30M, TOLK, CMAR, PZH, PZH, G30M, R3SD, F31M, SONM, YKA, ZALV, MKAR, KURBB, BVAR, SPITS, ARCES, ARCES, FINES, FINES, NOA, HFS, HFS, AKASO, EKA, BUR08, BRTR, OSTC, CHVC.

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like CLL, DPC, PVVC, MMAI, PRU, PRU, KHC, CKRC, CKRC, GEC2, GERES, CONA, RONA, MOA, ARSA, BIOA, LESA, SOKA, KBA, WATA, RETA, OBKA, WTTA, MOTA, MYKA, SOTA, ABTA, DAVA, CEMO, FUORN, TORD, NEIC, IDO, ISC, Code, Station Name, Az, Az2, Phase ID, Time, Res.

10d 5h

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

IDC 10 05:29.25:2.6, 7.31S, 131.62E, h0km, mb3.6/1, mbtmp3.5/4, ML3.3/3, Error ellipse: s-maj=104.3km s-min=29.5km az=80.0, Tanimbar Islands region

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

IDC 10 05:03:35.5:0.9, 10.06N, 104.01W, h0km, mb4.1/9, mbtmp4.0/11, ML3.4/2, MS4.1/39, Error ellipse: s-maj=94.4km s-min=15.9km az=57.0

NEIC 10 05:03:39.5:1.6, 10.22N, 101.103, 95W, 0.04, h10km, 1km, mb4.7/164, Error ellipse: s-maj=17.9km s-min=3.5km az=198.0

GCMT 10 05:03:40.5:0.3, 10.32N, 101.037W, 0.02, h16km, 1km, MW4.9/92, Moment Tensor Solution. s28.c30; s92.c130; Duration: 0 Moment tensor: Scale 10^19Nm; Mr=0.25t.10; Mw=1.34t.09; Mo=1.60t.10; Mo=0.38t.25; Mw=2.25t.08; Mr=0.87t.28; Best double couple: Mo2.85700x10^16 NP1=344.00000, s86.00000, -160.00000. NP2=253.00000, s70.00000, -4.00000. Principal axes: T 2.9300, P1g11.0000, Azm117.0000; N -0.1390, P1g70.0000, Azm356.0000; P -2.7830, P1g17.0000; Azm210.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 10 05:03:41.9:0.7, 10.14N, 100.09E, 103.8W, 0.1, h35km, n214, c073/174, mb4.7/80, MS4.1/35, Northern East Pacific Rise

Large table with columns: Code, Station Name, Az, AZ, Phase, ID, Time, Res, ISC. Lists numerous stations including TIAPA, SCCRORO T-PHASE 1, JRQC Juquila Cam, etc.

2018 DEC

Table with columns: Code, Station Name, Az, AZ, Phase, ID, Time, Res, ISC. Lists stations like FW06 Azle, DKN5 Dickens, WRA Warramunga Arr, etc.

730

Table with columns: Code, Station Name, Az, AZ, Phase, ID, Time, Res, ISC. Lists stations like CPUP Villa Florida, L29M Krik Glacier, K29M Barlow Dome, etc.

10d 7h

Table listing meteorological observations for 10 days and 7 hours. Columns include station name, time, and various data points.

IDC 10 07:25:31.1,2.5,54.58N,86.56E, h0km, mbtmp3.6/3, ML3.2/3, Error ellipse: s-maj=22.7km s-min=14.0km az=60.0, Southwestern Siberia

Table listing meteorological observations for the IDC 10 07:25:31.1,2.5,54.58N,86.56E event. Columns include code, station name, time, and data.

NEIC 10 07:38:03.3,1.9,38.727N,0.009,122.75W,0.01, h5km, 1km, Error ellipse: s-maj=2.4km s-min=1.7km az=7.0

NCEDC 10 07:38:03.3,1.5,38.736N,0.007,122.72W,0.01, h2km, 1km, ML3.1/4, ML2.8/77(NEIC), Error ellipse: s-maj=1.6km s-min=0.7km az=60.0, Northern California

Table listing meteorological observations for the NCEDC 10 07:38:03.3 event. Columns include code, station name, time, and data.

2018 DEC

Large table listing meteorological observations for December 2018. Columns include station name, time, and data points.

IDC 10 07:42:57.8,2.0,9.26S,74.93W, h109km, 23km, mb3.5/4, mbtmp3.8/9, Error ellipse: s-maj=31.1km s-min=17.2km

734

az=49.0, NEIC 10 07:43:00.4,2.2,9.30S,0.07,75.31W,0.08, h126km, 7km, mb4.2/16, Error ellipse: s-maj=11.9km s-min=8.7km

az=121.0, ISC 10 07:42:59.8,0.6,9.38S,0.05,75.29W,0.06, h150km, n32, cz276/32, mb4.1/9, Central Peru

Table listing meteorological observations for various events. Columns include code, station name, time, and data points.

IDC 10:07:54:48.0.6.101:169E,h0km,mb4.2/17, mbmp4.2/18,ML3.8/1,MS3.4/7,Error ellipse: s-maj=18.7km s-min=15.0km az=80.0

NEIC 10:07:54:50.6.1.4.10:30S:0.05:160:78E:0.08,h10km,1km, mb4.8/95,Error ellipse: s-maj=13.0km s-min=9.2km az=284.0

ISC 10:07:54:54.0.4.0.1029S:0.06:160:84E:0.07,h35km,n128, c1508/125,mb4.7/63,MS3.2/3,Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various seismic stations including Honiara, Mont Dzumac, Port Moresby, etc.

Table with columns: H17K, Granite Mounta, 80.56, 16, P, Iamb, P, 08 07 02.7 +0.3. Lists stations like Rabbit Creek, Port Wells, etc.

RNSC 10:07:59:08.4.0.5, 13'N, 8°31'W, h8km,4km,M2.7,mb3.8, ML2.6, Caribbean Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Isla de Provid, Isla e San And, etc.

IDC 10:07:59:17.1.0.5, 9°01'S, 92°43'E, h0km,mb4.3/27, mbmp4.3/30,ML4.5/2,MS3.7/26,Error ellipse: s-maj=16.3km s-min=13.1km az=55.0

az=236.0 ISC 10:07:59:17.6.0.4, 9°14'S, 0°07:92:68E:0.06,h10km,n110, c134/91,mb4.5/46,MS3.7/25,South Indian Ocean

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like West Island, Pulau Pagai, etc.

Table of seismic events with columns: USRK, Location, Time, Magnitude, Depth, etc. Includes entries like 'Ussuriysk Ar.', 'Borovoye Array', 'Khabaz', etc.

WEL 10 08:38:28.1±1.0, 31°S±17°7'E±1°1', h33km, M4.5/5, mB4.7/3, mL4.8/8, MLv4.6/5, Mw(MB)4.0/3, Error ellipse: s-maj=15.5km s-min=5.3km az=118.7, confirmed, Kermadec Islands region

Table of seismic events with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, ISC. Includes entries like 'GLKZ Green Lake', 'HAZ Hai Kaha', 'WNGW Waiomatatini S', etc.

IDC 10 08:39:39.4±2.6, 54°29'N-86°14'E, h0km, mbtmp3.2/2, ML3.0/2, Error ellipse: s-maj=20.2km s-min=11.7km az=55.0, Southwestern Siberia

Table of seismic events with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, ISC. Includes entries like 'I46RU ZALESOVO INFRA', 'ZALV Zalesovo Beam', 'ZALV Magadan', etc.

IDC 10 08:42:02.5±3.3, 4°8'S-144°82'E, h53km, mbtmp3.3/4, mbtmp3.6/7, ML3.2/2, Error ellipse: s-maj=37.2km s-min=20.4km az=57.0

Table of seismic events with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, ISC. Includes entries like 'JAY Jayapura', 'PMG Port Moresby', 'WRA Warramunga Arr', etc.

IDC 10 08:48:23.3±0.4, 41°00'S-43°66'E, h0km, mb4.7/28, mbtmp4.7/28, ML4.1/1, MS4.4/51, Error ellipse: s-maj=15.6km s-min=11.8km az=64.0

Table of seismic events with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, ISC. Includes entries like 'ASAR Alice Springs', 'FITZ Fitzroy Crossi', 'MKAR Makanchi Array', etc.

IDC 10 08:48:24.3±0.2, 41°04'S-0°05', h9km, m637, m0.959/19, mb5.1/11, M5.1/57, 14C-1D, Prince Edward Islands region

Table of seismic events with columns: SOE, Location, Time, Magnitude, Depth, etc. Includes entries like 'POGA Pongola', 'VOI Vohitsoka', 'BOSA Boshof', etc.

IDC 10 08:48:25.9±1.0, 40°86'S-0°11', h41km, m14/km, MW5.1/127, Moment Tensor Solution. s04, c75, s127, c195; Duration: 0 Moment tensor: Size 10^16Nm; Mn-4.7±.21; Mw0.4±.36; Mw0.15±.14; Mn1.45±.26; Mw-2.5±.09; Mw3.0±.38; Best double couple: M=2.2670x10^16 Np1=1.2670x10^16 Np2=1.120000x10^16 Np3=1.120000x10^16 Np4=0.000000; Principal axes: T: 5.7700, P: 0.0000, N: 4.5000; Az=200.000; N: 0.9990, P: 0.9990, Az=294.000; P: -6.7640, P: 6.0000, Az=15.0000; nstia1 refers to body waves, cutoff=40s. nstia2 refers to surface waves, cutoff=50s. Triangular moment-rate function.

Table of seismic events with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, ISC. Includes entries like 'ATD Arta Tunnel', 'COCO West Island', 'H01W2 Cape Leeuwin', etc.

NNC 10 08:10:21.1±3.8, 54°32'N-87°42'E, h0km, mb3.3, mpv3.0, Error ellipse: s-maj=32.0km s-min=18.2km az=15.0, Suspected Mining explosion.

IDC 10 08:10:27.4±2.8, 54°37'N-86°88'E, h0km, mbtmp3.3/2, ML2.7/2, Error ellipse: s-maj=23.2km s-min=15.9km az=60.0

IDC 10 08:10:22.4±1.8, 52°30'N-0°05', h6.8±2.0, h0km, n9, m243/15, 5C-9D, Southwestern Siberia

Table of seismic events with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, ISC. Includes entries like 'I46RU ZALESOVO INFRA', 'ZAAO Zalesovo Array', 'ZALV Zalesovo Beam', etc.

10d 8h

Table with columns for ID, Name, Elevation, Date, and Status. Includes entries like Saint Louis, Maple Grove, White Oak Lake, etc.

2018 DEC

Table with columns for ID, Name, Elevation, Date, and Status. Includes entries like Tagagawik, Your Creek, Alatina River, etc.

738

Table with columns for ID, Name, Elevation, Date, and Status. Includes entries like Granite Moun, Cookes Peak, Timber Creek, etc.

10d 10h

Table of astronomical observations for the 10-day period (10d) and 10-hour period (10h). Includes columns for object name, coordinates, magnitude, and other parameters.

2018 DEC

Table of astronomical observations for December 2018. Includes columns for object name, coordinates, magnitude, and other parameters.

740

Table of astronomical observations for the 740-day period. Includes columns for object name, coordinates, magnitude, and other parameters.

741

Table with columns: Station Name, Frequency, Azimuth, Elevation, and other parameters. Includes stations like KUU Kurly, BOOM Boomscoye usch, KST Kastek, DGS Degeres, etc.

SOME 10:10:17.04.9, 42°13'N, 81°12'E, h30km
NCC 10:10:17.05.6, 1.6, 42°22'N, 80°96'E, h0km, mb4.0, mvp3.7,
Error ellipse: s-maj=10.0km s-min=9.8km az=166.0

ISC 10:10:17.00.6, 3.0, 42°20'N, 101°01'30"E, 0.1, h10km, n36,
a1956/55, Northern Xinjiang

Main station list table with columns: Code, Station Name, Frequency, Azimuth, Elevation, and Res. Includes stations like SHLS Shalkode, UZB Uzynbulak, etc.

2018 DEC

Table with columns: Station Name, Frequency, Azimuth, Elevation, and Res. Includes stations like KTBS Karatobe, MTBS Matube, DGS Degeres, etc.

TEH 10:10:18.30.1, 34°21'N, 45°64'E, h13km, 16km, ML2.7
ISC 10:10:18.30.3, 0.6, 34°21'N, 45°65'E, h15km, 4km, ML2.9
ISC 10:10:18.30.8, 1.4, 34°26'N, 0°05'45.70"E, 0.04, h15km, 15km,
n13, a0737/18, Iran-Iraq border region

Table with columns: Code, Station Name, Frequency, Azimuth, Elevation, and Res. Includes stations like GLG1 Gilan-e-Gharb, KGSI Ghasr-e-Shir, etc.

NCC 10:10:20.44.7, 0.9, 51°79'N, 75°80'E, h0km, mb3.2, mvp2.8,
Error ellipse: s-maj=13.8km s-min=5.4km az=22.0,
Suspected Mining explosion.

ISC 10:10:20.45.8, 0.9, 51°47'N, 75°72'E, h0km, mbtmp2.8/3,
ML2, 1/3, Error ellipse: s-maj=28.0km s-min=7.0km

ISC 10:10:20.45.2, 0.9, 51°38'N, 0°07'56.30"E, 0.04, h0km, n11,
a1553/14, 5C-6D, Eastern Kazakhstan

Main station list table with columns: Code, Station Name, Frequency, Azimuth, Elevation, and Res. Includes stations like KURBB Kurchatov Arra, KURK Kurchatov, etc.

IDC 10:10:24.21.2, 1.1, 40°98'S, 43°50'E, h0km, mb3.8/3,
mbtmp3.8/3, MS3.7/6, Error ellipse: s-maj=122.0km
s-min=31.2km az=26.0, Southwest Indian Ridge

Main station list table with columns: Code, Station Name, Frequency, Azimuth, Elevation, and Res. Includes stations like KMBO Kilima Mbogo, H01W2 Cape Leeuwin H, etc.

10d 10h

Main station list table with columns: Code, Station Name, Frequency, Azimuth, Elevation, and Res. Includes stations like BOSA Boshof, MAW Mawson, SNAAS Sanas, etc.

JMA 10:10:58.07.3, 0.1, 23°1'N, 121°1'E, h27km, 3km, MV4.3/15,
TAIWAN REGION
NIED 10:10:58.07.3, 23°06'N, 121°34'E, h27km, MV4.2, Moment
Tensor Solution, s2 Moment tensor, Scale: 1015Nm,
Ms=1.66, Mw=1.0, Ms=1.56, Mw=0.72, Mw=0.32, Ms=0.93;
Fault plane solution: Ms2.0200x1015 NP1:
phi206.00000, delta30.00000, lambda-77.00000. NP2:
phi359.00000, delta30.00000, lambda-113.00000.
TAP 10:10:58.07.7, 23°06'N, 121°34'E, h19km, ML4.6, C

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BRJC Barrancabermej, VMM07 Puerto Wilches, SPBC San Pablo de B, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SJCC La Uribe, Meta, URMCC Cerrejón, Guaj, CRUC Yotoco, Valle, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BKSI Bulukumba, FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

ISC 10 12:52:40.6:1.4,38.11N,0.04:48.07E:0.04,h11km,12km, n15,-0.87/24,Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Sarab, Lerik, Astara, Germi, etc.

NEIC 10 12:55:54.3:1.3,39.68N,0.03:98.30W:0.02,h16km,7km, mb_Lg2.7/23, Error ellipse: s-maj=4.5km s-min=1.8km az=169.0, Kansas

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Long Quarter, Cedar Bluff, Kansas State U, etc.

ISC 10 13:20:35.3:0.8,41.12S:43.61E,h0km,mb4.0/7, mbmp4.0/8,ML3.5/1,MS3.7/7, Error ellipse: s-maj=35.1km s-min=18.9km az=40.0

NEIC 10 13:20:37.8:0.9,41.2S:0.1:43.7E:0.3,h10km,1km, mb4.4/8, Error ellipse: s-maj=39.6km s-min=9.5km az=55.7

ISC 10 13:20:36.7:0.4,11S:0.1:43.7E:0.2,h0km,n26, -0.85/20,mb4.3/9,MS3.3/6,Prince Edward Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Boshof, Lobatse, Ambohimpalom, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like KMB0 Kilima Mbogo, MBAR Mbarara, QSPA South Pole Qui, etc.

ISC 10 13:29:08.6:4.1,0,29:86S:176.94W,h0km,mb3.8/3, mbmp3.8/3, Error ellipse: s-maj=750.5km s-min=161.3km az=92.0

NEIC 13:29:08.5:0.8,29:95S:0.2:176.62W:0.05,h10km,2km, mb4.3/8, Error ellipse: s-maj=35.9km s-min=6.8km az=356.0

ISC 10 13:29:10.3:1.3,30.0S:0.2:176.7W:0.2,h24km,n19, -0.841/11,mb4.0/4,Kermadec Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Incbonnie, McQueen's Vall, Barotonga, etc.

ISC 10 13:47:06.6:0.5,0.97N:125.14E,h0km,mb4.3/16, mbmp4.3/17,ML4.2/1,ML3.3/4, Error ellipse: s-maj=37.5km s-min=12.0km az=69.0

NEIC 10 13:47:16.1:1.8,0.93N:0.06:125.32E:0.06,h71km,7km, mb4.5/31, Error ellipse: s-maj=10.7km s-min=7.2km az=224.0

DJA 10 13:47:17.7:0.6,1.2N:2.12E:5E",h35km,12km,ML4.7/22, mb4.9/9,mb5.2/7,MLv4.7/22,Mw(mb)4.5/7

ISC 10 13:47:16.9:0.4,0.88N:0.05:125.35E:0.06,h79km,n84, -0.110/84,mb4.4/33,Northern Molucca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like KMSI Cibinong, TNTI Ternate, LBMI Labuha, etc.

MSAI Masohi 5.51 140 P Pn 13 48 37.8 +1.3

KDI Kendari 5.53 210 P Pn 13 48 36.9 +0.2

DAV Davao City (W) 6.15 2 Pn 13 48 44.5 +0.7

TTSI Tana Toraja 6.77 235 P Pn 13 48 54.6 +1.0

BNDI Bandanaira 7.04 140 P Pn 13 48 58.4 +1.1

SPSI Sidrap Palu 7.37 229 P Pn 13 49 03.7 +1.9

FAKI Fak Fak 7.86 119 Pn Pn 13 49 08.3 -0.3

FAKI Fak Fak 7.86 119 Pn Pn 13 49 08.4 -0.1

BKSI Bulukbamba 8.08 220 P Pn 13 49 14.5 +2.2

KAPI Kappang 8.10 224 LR LR 13 51 38.8

MTN Mantion Dam 14.79 157 Pn Pn 13 50 49.9 -1.1

KNRA Kununurra 16.09 169 Pn Pn 13 51 06.9 -0.3

SMRI Semarang 16.84 242 Pn Pn 13 51 06.6 -1.1

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like WB2 comp=2.16nm,0.9s, MBWA Marble Bar, WR0 Warramunga Arr, etc.

ISC 10 13:55:17.0:2.1,2.62N:127.38E,h0km,mb3.3/4, mbmp3.3/4,MS3.7/1, Error ellipse: s-maj=104.7km s-min=26.9km az=70.0,Northern Molucca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

ISK 10 14:03:38.9,37:15N:44:60E,h5km,ML3.8/8

AFAD 10 14:03:40.7:0.0,37:30N:44:52E,h10km,5km,ML2.8

TEH 10 14:03:42.2,37:56N:44:89E,h6km,145km,ML2.8

ISC 10 14:03:39.6:1.4,1.47N:127.38E:0.03,h2km,12km, n27,-1.92/41,Turkey-Iran border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like YOVA Hakkari-Yksek, YOVA YOVA, etc.

YOVA HAKKARI 0.78 295 P Pn 14 03 53.5 -1.1

HAKT HAKT 0.78 295 P Pn 14 04 04.5 -0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HAKT, CUKT, MAHB, SHABESTAR, etc.

FUNUV 10 14:29:08.4, 8.23N, 71.32W, h2km, MW3.2, RSNK 10 14:29:11.7, 0.8N, 10.7W, 1.1W, 1.0, h40km, 60km, M2.6, ML2.5

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SOCV, SDV, CAPV, TAMC, etc.

IDC 10 14:31:11.3, 0.6, 41.05S, 43.64E, h0km, mb4, 1/12, mbmp4, 1/13, ML3.5/1, MS3.4/16, Error ellipse: s-maj=25.0km s-min=16.2km az=39.0

NEIC 10 14:31:13.4, 0.7, 41.1S, 0.1, 43.4E, 0.3, h10km, 1km, mb4, 5/11, Error ellipse: s-maj=39.7km s-min=23.3km az=252.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H04N1, H04N3, H04N2, BOSA, SUR, LBTB, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MAW, SNA, KMB, MBAR, H08S1, etc.

NOU 10 14:52:26.1, 38.78S, 175.51E, h195km, MLV3.7/14, North Island, New Zealand

WEL 10 14:52:29.0, 7.39S, 176.6E, h157km, 6km, M3.3/95, ml-2=95.1km az=151.8, confirmed

IDC 10 14:52:25.8, 1.7, 38.71S, 0.04, 175.49E, 0.05, h191km, 8km, n146, 19/08/155, North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WATZ, RATZ, KATZ, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TARZ, KMRZ, TOZ, etc.

NEIC 10 15:00:54.7, 1.7, 21.2S, 0.1, 178.1W, 0.1, h467km, 8km, mb4, 4/32, Error ellipse: s-maj=18.0km s-min=15.6km az=175.0

IDC 10 15:00:56.0, 2.1, 21.22S, 178.17W, h484km, 21km, mb3.3/13, mbmp4, 2/15, Error ellipse: s-maj=20.0km s-min=15.2km az=115.0

IDC 10 15:00:53.4, 0.5, 21.34S, 0.08, 178.04W, h450km, n65, 19/50/1, mb2.1/30, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MSVF, NIUE, DZM, etc.

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.

Additional technical information and notes at the bottom right of the page, including a specific station code and coordinates.

GUC 10 17:04:36.9.0.7, 24.26S; 67.43W, h208km, 7km, ML3.9
IDC 10 17:04:42.0.2.2, 23.83S; 67.06W, h223km, 24km
mbtmp3.8/4, Error ellipse: s-maj=28.1km s-min=20.1km
az=80.0

ISC 10 17:04:35.0.0.9, 24.29S; 67.19W; 0.04, h188km, 8km,
n1, c1526/50, 4C-1D, Chile-Argentina border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include stations like San Lorenzo, AF01, AZAP, FSA, GO02, PB15, YJA, PB06, PB14, PB09, PB04, AC01, SIV, PLCA, BDFB, ASAR, WRA, MKAR, etc.

IDC 10 17:05:40.6.2.3, 62.32N; 6.39E, h0km, mbtmp3.4/4,
ML2.5/5, Error ellipse: s-maj=23.3km s-min=18.9km
az=85.0

DNK 10 17:05:41.9.2.4, 62.23N; 6.94E, h0km, 108km
NAO 10 17:05:41.5.1.2, 62.24N; 6.40E, h8km, 5km, ML2.5
BER 10 17:05:43.2.2.2, 62.32N; 6.39E; h15km, 5km, ML2.5,
MWZ.7, ML2.5(NAO). Confirmed Earthquake

ISC 10 17:05:41.0.1.1, 62.29N; 0.04; 6.33E; 0.03, h16km, 7km,
n51, c147/85, 1D, Southern Norway

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include stations like AKN, AKN, MQL, MOL, FOO, HYO, SUE, SKAR, ASK, BER, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include NC2, ODD1, NBO, NAO, NAO01, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include NBO, NAO, NAO01, NC3, NC3, NB2, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include NB2, NB2, NOA, NOA, NOA, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include NOA, NOA, NC4, NC4, BLS5, BLS5, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include NC6, NC6, NC602, NRAO, NRAO, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include NRAO, NRAO, NRAO, KMY, KMY, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include SNART, SNART, SNART, SNART, HFS, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include HFS, HFS, HFS, HFS, HFS, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include HFS, HFS, HOMB, HOMB, HOMB, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include HOMB, HOMB, HOMB, HOMB, TJOU, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include TJOU, ONAU, BORU, BIGH, BIGH, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include DRUM, DRUM, EKA, EKA, FIAO, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include FIAO, FIAO, FIAO, FINES, FINES, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include FINES, FINES, FINES, ARCES, ARCES, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include ARCES, ARCES, ARCES, ARCES, ARCES, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include ARCES, ARCES, ARCES, ARCES, ARCES, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include KDWAN, KDWAN, KDWAN, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include PILG, PILG, PILG, PNBG, PNBG, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include PNBG, PNBG, PNBG, KSTD, KSTD, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include KSTD, KSTD, ALKP, ALKP, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include ALKP, ALKP, UPI, UPI, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include UPI, UPI, MOPA, MOPA, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include MOPA, MOPA, KEIM, KEIM, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include KEIM, KEIM, BFON, BFON, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include BFON, BFON, GRAF, GRAF, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include GRAF, GRAF, BROLN, BROLN, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include BROLN, BROLN, BRAK, BRAK, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include BRAK, BRAK, GRAN, GRAN, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include GRAN, GRAN, FRAZ, FRAZ, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include FRAZ, FRAZ, MERW, MERW, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include MERW, MERW, SUR, SUR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include SUR, SUR, SUR, SUR, SUR, etc.

IDC 10 17:18:08.7.6.7, 18.45S; 174.40W, h0km, mb3.7/2,
mbtmp3.7/2, Error ellipse: s-maj=304.7km
s-min=65.9km az=145.0, Tonga Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include WRA, WRA, ASAR, ASAR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include ASAR, ASAR, BRTR, BRTR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include BRTR, BRTR, BRTR, BRTR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include BRTR, BRTR, BRTR, BRTR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include BRTR, BRTR, BRTR, BRTR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include BRTR, BRTR, BRTR, BRTR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include BRTR, BRTR, BRTR, BRTR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include BRTR, BRTR, BRTR, BRTR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include BRTR, BRTR, BRTR, BRTR, etc.

PRE 10 17:15:21.6.0.7, 26.87S; 26.75E, h2km, ML2.4
BGSI 10 17:15:26.9.1.6, 26.91S; 27.04E, h17km, 55km, ML2.5
ISC 10 17:15:21.9.0.8, 26.87S; 0.03; 26.74E; 0.04, h10km, n24,
c1974/48, South Africa

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include SWZ, SWZ, SWZ, MAKGR, MAKGR, etc.

AEIC 10 17:20:05.2.1.9, 61.42N; 0.03; 150.08W; 0.07, h20km, 7km,
Error ellipse: s-maj=4.7km s-min=4.2km az=102.0
NEIC 10 17:20:05.4.1.1, 61.45N; 0.02; 150.03W; 0.07, h36km, 9km,
ML3.1/130, ML3.1(AEIC), Error ellipse: s-maj=4.6km
s-min=2.9km az=104.0, Southern Alaska

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include WRA, WRA, ASAR, ASAR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include ASAR, ASAR, BRTR, BRTR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include BRTR, BRTR, BRTR, BRTR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include BRTR, BRTR, BRTR, BRTR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include BRTR, BRTR, BRTR, BRTR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include BRTR, BRTR, BRTR, BRTR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include BRTR, BRTR, BRTR, BRTR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include BRTR, BRTR, BRTR, BRTR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include BRTR, BRTR, BRTR, BRTR, etc.

Table with columns: Station Name, Elevation, Azimuth, Phase, ID, Time, Res. Includes stations like Hinchinbrook I, Denali Highway, and various mountain peaks.

IDC 10 17:38:25.3, 3.9, 18.14Sx175.14W, h237km, 31km, mb3.6/5, mbmp4.2/6, Error ellipse: s-maj=32.8km s-min=26.1km

ISC 10 17:38:23.8, 1.2, 18.1Sx0.2-175.0W, 0.2, h228km, n7, a102/9, mb3.9/5, Tonga Islands

Table with columns: Code, Station Name, Elevation, Azimuth, Phase, ID, Time, Res. Includes stations like Nonsavu, Urewera, Warramunga Arr, and various mountain peaks.

NEIC 10 17:44:42.1, 0.9, 61.478N, 0.008-149.94W, 0.06, h33km, 11km, Error ellipse: s-maj=4.3km s-min=0.9km az=80.0

AEIC 10 17:44:42.0, 1.0, 61.47N, 0.003-149.96W, 0.05, h23km, 7km, ML2.6, ML2.6/138(NEIC), Error ellipse: s-maj=4.2km s-min=3.6km az=196.0, Southern Alaska

Table with columns: Code, Station Name, Elevation, Azimuth, Phase, ID, Time, Res. Includes stations like Willow, M22K, and M16K.

Table with columns: Station Name, Elevation, Azimuth, Phase, ID, Time, Res. Includes stations like Fire Island, Susitna One, Rabbit Creek A, and various mountain peaks.

IDC 10 17:44:42.1, 0.9, 61.478N, 0.008-149.94W, 0.06, h33km, 11km, Error ellipse: s-maj=4.3km s-min=0.9km az=80.0

ISC 10 17:38:23.8, 1.2, 18.1Sx0.2-175.0W, 0.2, h228km, n7, a102/9, mb3.9/5, Tonga Islands

Table with columns: Code, Station Name, Elevation, Azimuth, Phase, ID, Time, Res. Includes stations like Nonsavu, Urewera, Warramunga Arr, and various mountain peaks.

NEIC 10 17:44:42.1, 0.9, 61.478N, 0.008-149.94W, 0.06, h33km, 11km, Error ellipse: s-maj=4.3km s-min=0.9km az=80.0

AEIC 10 17:44:42.0, 1.0, 61.47N, 0.003-149.96W, 0.05, h23km, 7km, ML2.6, ML2.6/138(NEIC), Error ellipse: s-maj=4.2km s-min=3.6km az=196.0, Southern Alaska

Table with columns: Code, Station Name, Elevation, Azimuth, Phase, ID, Time, Res. Includes stations like Willow, M22K, and M16K.

Table with columns: Station Name, Elevation, Azimuth, Phase, ID, Time, Res. Includes stations like Logan Glacier, Melozitna River, Noodor Dome, and various mountain peaks.

IDC 10 17:54:37.9, 0.5, 16.19Sx173.46W, h0km, mb4.3/15, mbmp4.3/15, MS3.8/19, Error ellipse: s-maj=26.6km s-min=15.2km az=123.0

NEIC 10 17:54:40.9, 1.3, 16.19S, 0.09-173.16W, 0.06, h35km, 2km, mb4.6/30, Error ellipse: s-maj=17.5km s-min=4.4km az=145.0, preliminary

ISC 10 17:54:41.0, 0.4, 16.28S, 0.06-173.06W, 0.07, h32km, n137, a184/121, mb4.6/33, MS3.8/17, 15C-17D, Tonga Islands

Table with columns: Code, Station Name, Elevation, Azimuth, Phase, ID, Time, Res. Includes stations like Afiamalu, Niue, Nonsavu, Urewera, and various mountain peaks.

10d 17h

Table with columns: Code, Station Name, Az, El, P, I, Amb, Time, Res, ISC. Includes stations like Little Huntoon, Mina Array Bea, Gold Mountain, etc.

2018 DEC

Table with columns: Code, Station Name, Az, El, P, I, Amb, Time, Res, ISC. Includes stations like HERR Herculanee, WATA Wadaleraim, MOTA Moosalm, etc.

750

Table with columns: Code, Station Name, Az, El, P, I, Amb, Time, Res, ISC. Includes stations like PALK Pallekele, H0BS2 Diego Garcia H, H0BS3 Diego Garcia H, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AAK, KPKS, CHMS, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KOTS, MTBS, KST, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H08S2, H08S3, H08S1, etc.

KRNET 10 18:00:35.7±0.1, 40.15N:77.52E, mb3.0
SOME 10 18:00:35.2, 40.22N:77.58E, h0km
NMC 10 18:00:37.0±2.2, 40.32N:77.61E, h0km, mb3.8, mpv3.5,
Error ellipse: s-maj=15.0km s-min=11.8km az=164.0
ISC 10 18:00:37.8±1.5, 40.34N:0.077755E±0.04, h10km, n66,
±150/93, 18C-13D, Kyrgyzstan-Xinjiang border region

IDC 10 18:08:40.9, 999.0, 53.23N:4.16E, h0km, Error ellipse:
s-maj=450.3km s-min=167.3km az=108.0, North Sea
IDC 10 18:14:17.2±0.9, 13.06N:122.68E, h0km, mb3.9/15,
mbtmp3.9/15, MS3.2/4, Error ellipse: s-maj=25.3km
s-min=14.3km az=44.0
NEIC 10 18:14:24.1±1.0, 13.3N:0.1x122.6E±0.1, h35km, 2km,
mb4.5/14, Error ellipse: s-maj=22.4km s-min=17.9km
az=194.0
ISC 10 18:14:18.9±0.8, 13.16N:0.10x122.8E±0.1, h10km, n37,
±074/32, mb4.2/22, MS3.0/4, Luzon

IDC 10 18:15:19.7±0.8, 49.11S:127.60E, h0km, mb4.4/7,
mbtmp4.4/7, MS3.5/12, Error ellipse: s-maj=47.1km
s-min=16.2km az=96.0
NEIC 10 18:15:20.6±1.3, 49.16S:0.07x127.6E±0.3, h10km, 1km,
mb4.5/18, Error ellipse: s-maj=33.1km s-min=6.9km
az=286.0

ISC 10 18:15:21.3±0.6, 49.16S:0.08x127.4E±0.2, h13km, n57,
±0891/40, mb4.5/14, MS3.5/11, 4C, Western
Indian-Antarctic Ridge

IDC 10 18:03:40.4±3.3, 37.5N:95.57E, h0km, mb3.4/4,
mbtmp3.4/4, Error ellipse: s-maj=165.2km
s-min=32.2km az=58.0, Off west coast of northern
Sumatra

10d 18h

Table of station data for the 10d 18h period, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers like BBOO, NWAO, STKA, etc.

2018 DEC

Main table of station data for December 2018, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers like URZ, WRA, SNA, etc.

752

Table of station data for the 752 period, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers like BI04, WRA, SNA, etc.

THE 10:18:32.5,37:65N:20:73E,h5km,1km,ML3.0/6,Error

ellipse: s-maj=2.0km s-min=0.7km az=38.0
ATH 10 18:43:32.5, 37.63N, 20.75E, h10km, 2km, ML2.8/9, Error
ellipse: s-maj=2.6km s-min=0.9km az=32.0
ISC 10 18:43:31.9, 1.3, 37.63N, 0.05, 20.74E, 0.04, h9km, 6gkm,
n38, c054/55, Ionian Sea

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists various seismic stations and their parameters.

IDC 10 18:51:44.9, 2.8, 9.62N, 104.82W, h0km, mb3.7/3,
mbtmp3.6/4, ML3.8/1, MS3.8/1, Error ellipse:
s-maj=117.6km s-min=29.5km az=59.0
NEIC 10 18:51:47.3, 1.4, 9.8N, 101.1, 104.0W, 0.2, h10km, 2km,
mb4.3/31, Error ellipse: s-maj=36.4km s-min=7.0km
az=132.0
ISC 10 18:51:52.7, 1.7, 10.1N, 0.2, 103.9W, 0.2, h35km, n67,
c1501/35, mb4.2/11, MS3.8/27, Northern East Pacific
Rise

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists various seismic stations and their parameters.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists various seismic stations and their parameters.

IDC 10 18:56:08.6, 1.2, 13.27N, 144.13E, h0km, mb3.7/8,
mbtmp3.7/8, Error ellipse: s-maj=37.2km s-min=32.1km
az=89.0
ISC 10 18:56:24.9, 1.0, 13.1N, 0.2, 144.0E, 0.3, h138km, n11,
c1913/8, mb3.5/8, South of Mariana Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists various seismic stations and their parameters.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists various seismic stations and their parameters.

755

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like WAMI, SSSL, TPUB, SWI, TGAY, KSRK, KSRK, KSAR, KS19, FAKI, NJ2, PMG, USRK, AAI, MRSI, LUWI, TOL2, APSI, TIA, KKM, COEN, COEN, HNS, TTSI, KDU, KDU, SMKI, SPSI, MTN, MTN, KAPI, KAPI, KAPI, SOEI, SOEI, PETK, BATI, MTKI, SBUM, SBUM, MTSU, MTSU, HHC, GYA, GYA, KNRA, WBSI, STKI, KSM, KSM, KSM, QIS, QIS, WRO, WRAB, WRA, WRA, WRA, KMMI, LZH, LZH, JAGI, JAGI, JAGI, PZH, PZH, FITZ, PWJI, ULN, ULN, TPI, SONM, SONM, AS01, AS31, ASAR, ASAR, ASAR, CMAR, CMAR.

2018 DEC

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like MYKOM, KPJI, Gaotai, GTA, Sorong, YAK, YAK, QLP, QLP, LEM, LEM, IPI, KULM, KULM, INKA, WRKA, WRKA, MDSI, MBWA, MBWA, OOD, OOD, KASI, KASI, PSAO, PSAO, AULRC, KSI, GOMU, GOMU, PSI, PSI, RPSI, RPSI, MNSI, MNSI, XMIS, LCRK, CMSA, CMA, MULG, GSI, STKA, STKA, STKA, STKA, STKA, BILL, BILL, BORT, BORT, BBOO, BBOO, BBOO, BBOO, BBOO, HTT, YNG, YNG, ARPS, MORW, MORW, MORW, NWAO, NWAO, NWAO, ZALV, ZALV, ZALV, MK31, MKAR, MKAR, MAKZ, MAKZ, RKGY, RKGY, RKGY, C19K, CAST, CAST, KURK, KURK, KURB, KURB, H21K, H21K, NRIK, NRIK, I21K, I21K, BPAW, BPAW, D22K, D22K, E22K, E22K, I23K, I23K, KSH, KSH, D23K, D23K, E23K, E23K, H24K, H24K, TOLK, TOLK, C23K, C23K, IL31, IL31, ILAR, ILAR, URZ, URZ, G24K, G24K, F24K, F24K.

10d 20h

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like RTZ, C24K, SCRK, SCRK, F25K, J26L, J26L, F26K, NIL, NIL, BVAR, BVAR, BVAR, BRVK, BRVK, KKRK, KKRK, M29M, M29M, HYT, HYT, K29M, EPYK, CHGR, SIMJ, SIMJ, H31M, INK, DLBC, DLBC, C36M, ABKAR, ABKAR, WRGLY, GNW, EUNU, YKA, YKA, YBH, YBH, SPITS, SPITS, B08A, J05D, PINE, NEW, NEW, MPK, WAKR, YERR, ARCES, ARCES, PLID, RYN, NVAR, NVAR, NV11, GMN, ELK, ELK, TPNV, PRN, YHL, KHZ, PSUT, DUG, FINES, FINES, FFC, FFC, KNB, PDAR, FCC, RAYN, RAYN, HFS, NOA, ULM, ANMO, BRTR, TROLL, TROLL, SNAK, SNAK, SNAK, BOSK, VNA3, TORD, TORD, TORD, PLCA, LPAZ, LPAZ, CPUP, CPUP.

10d 20h

BJI 10 20:28:22.3, 62.86N, 177.25E, h6km, mb4.6/5.1, mB5.1/12, Ms4.9/34, Ms7.4/63, MOS 10 20:28:23.6, 1.4, 62.82N, 177.49E, h10km, mb4.8/3.3, MS4.3/6, Error ellipse: s-maj=10.5km s-min=7.2km az=92.3 IDC 10 20:28:23.2, 0.5, 62.80N, 177.20E, h0km, mb4.3/3.4, mbtmp4.3/36, ML3.2/2, MS4.1/74, Error ellipse: s-maj=14.3km s-min=10.6km az=167.0 NEIC 10 20:28:24.9, 1.7, 62.7N, 0.1, 177.3E, 0.1, h10km, 1km, mb4.7/259, Error ellipse: s-maj=20.3km s-min=10.9km az=167.0, preliminary GCMT 10 20:28:27.0, 0.3, 62.79N, 0.2, 177.19E, 0.0, h20km, 1km, MW4.8/101, Moment Tensor Solution. s17, c22; m11, c152. Duration: 0 Moment tensor: Scall 10^16Nm; Mn=0.44±.10; Mw=1.84±.10; Mo=1.40±.07; Ms=0.50±.18; Mw=1.50±.06; Mo=0.35±.15; Best double couple: Mo2.27400x10^16 NP1.3337.00000°, δ86.00000°, λ12.00000°. NP2.246.00000°, δ78.00000°, λ176.00000°. Principal axes: T 2.5460, P1511.00000°, Azm202.00000°; N -0.5450, Plg77.0000°, Azm355.00000°; P -2.0010, Plg5.0000°, Azm111.00000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function NERS 10 20:28:41.0, 0.3, 62.30N, 175.13E, h33km, MPV4.7 ISC 10 20:28:25.9, 0.7, 62.68N, 0.04, 177.40E, 0.03, h17km, 3km, m647, s1457/158, mb4.7/158, MS4.2/88, 9C-4D, Eastern Siberia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Lists seismic stations including Anadyr, Bilbino, Provideniya, Kuskivak Mount, etc.

2018 DEC

Main seismic event list with columns: ID, Location, Time, Magnitude, Depth, Quality, etc. Includes events like K17K Iditarod, L17K Donlin, M16K Timberline Creek, etc.

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Continuation of seismic event list with columns: ID, Location, Time, Magnitude, Depth, Quality, etc. Includes events like Q17K Contact Creek, H22K Ishalina Cre, PPLA Ishalina Cre, etc.

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Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like Sheep Creek Mo, Donnelly Dome, Salchu River, etc.

2018 DEC

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like Inuvik, Outpost Mounta, Tsigitehlich, etc.

10d 20h

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like HEH, YKA, YKA, YKA, etc.

10d 21h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like K27K Chicken, L27K Beaver Creek, MK31 Makanchi Array, etc.

IDC 10 21:02:11.6s, 1.0, 2.22:05Sx169:29E, h0km, mb4.1/8, mbmp4.1/9, ML3.8/1, MS3.2/2, Error ellipse: s-maj=30.0km s-min=25.2km az=160.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MARNC Mare, Loyalty, YATNC Mamie plateau, etc.

2018 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SONM Songino Array, NVAR Mina Array, EKA Eskdalemuir Arr, etc.

IDC 10 21:04:28.1, 1.1, 3.7:10N:20:99E, h0km, mb3.7/10, mbmp3.6/14, ML3.6/3, Error ellipse: s-maj=26.5km s-min=15.9km az=160.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KRI1 KERI, LTHK Lithakia, KYPS Kipseli, etc.

760

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ZALV Zalesovo Beam, CMAR Chiang Mai Arr, etc.

IDC 10 21:06:27.4, 1.7, 43:50N:105:36W, h0km, mb3.7/6, mbmp3.6/10, ML3.2/3, Error ellipse: s-maj=42.4km s-min=17.2km az=151.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PDAR Pinedale Array, ELK Elko, ILOCA Lac Du Bonnet, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, ISC, Time, Res, h, m, s, ISC. Includes stations like ZALV Zalesovo Beam, KURBB Kurchatov Arra, BVAR Borovoye Array, ABKAR Akbulak array, ILAR Eielson Array.

NEIC 10 21:42:45.0-0.7, 36.84N, 0.01:98.232W, 0.009, h6km, 4km, mb_Lg2.2/10, ML2.3/35, ML2.6/27, Error ellipse: s-maj=1.9km s-min=0.7km az=152.0

NEIC 10 21:42:45.0-0.9, 36.843N, 0.008:98.23W, 0.02, h8km, 4km, Error ellipse: s-maj=2.2km s-min=0.3km az=121.0,

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, ISC, Time, Res, h, m, s, ISC. Includes stations like KAN14 Manchester OK, GC02 Grant County #, KAN10 Anthony SW Sta, KAN10 Carrier, KAN17 Caldwell West, KAN08 Anthony NE Sta, KAN01 Argonia South, KAN12 Harper NE Stat, KAN10 West end E0370, KAN09 Caldwell North, KAN09, KAN09, NOKA Waynoka, NOKA, KAN13 South Haven SWS, KAN13, BLOK Blackwell, BLOK, OK051 E0350 and S346, OK029 Liberty Lake, OK029, ELIS Ellis County, T35A Sooner Cattle, QUOK Quay, OK052 Battle Ridge R, OK031 S. Brethren Rd, R32A Long Quarter, W35A Tecumseh, WMOK Wichita Mountains, WMOK, SMWD Samnorwood, AMTX Amarillo, RTBA Rita Blanca, FW03 Perrin-Whitt E, S39A Bolivar.

CATAC 10 22:15:34.6-0.7, 13.26N, 89.74W, h24km, 6km, ML3.7, SNET 10 22:15:36.0-1.3, 13.33N, 89.71W, h44km, ML3.6, GCG 10 22:15:37.2-0.3, 13.51N, 89.80W, h13km, 2km, MD4.1, ISC 22:15:35.3-1.6, 13.26N, 0.06:89.72W, 0.04, h28km, 12km, n28, -0.68/46, El Salvador

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, ISC, Time, Res, h, m, s, ISC. Includes stations like JAYA Jayaque - fino, JAYA, CEVE Cerro Verde, PMON Piamonte, PMON, CEDA San Andres, CEDA San Andres, BOOS Boqeroun, UEES Universidad Ev, UEES, LOMA Loma Larga, LOMA, LOMA, IGN Direcclin Gen, IGN Direcclin Gen, UDBS Universidad 0, UDBS, AEIL Aeropuerto Ilo Ilo, UNIC Universidad Ca, UNIC, PAVA Las Pavas, PAVA, PAVA, TECO Alcaldia de Te, TECO, TECO, UESV Universidad de, UESV, SCLA Alcaldia de Sa, SCLA, ESQI Esquipulas, ESQI, PACA Pacayal, PACA.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, ISC, Time, Res, h, m, s, ISC. Includes stations like RANC El Ranchito, NBG Las Nubes, FUG Fuego 3, MRL Marmol, CNCH Conchagua, STG3 Santiaguico 3, STG3, PKGN Cerro Pektin, MACN El Madrono, MACN, MOMM Monotombo, MOMM.

IDC 10 22:21:55.9-1.4, 31.34N, 48.28E, h0km, mb3.9/15, mbmp3.9/18, ML3.5/3, MS3.3/5, Error ellipse: s-maj=27.6km s-min=18.0km az=172.0, ISN 10 22:21:56.4-0.4, 31.02N, 48.16E, h18km, 4km, ML3.6, NEIC 10 22:21:57.8-0.8, 31.31N, 0.08:48.2E, 0.1, h10km, 1km, mb4.3/17, Error ellipse: s-maj=16.9km s-min=11.9km az=231.0, TEH 10 22:21:58.4, 31.29N, 48.21E, h15km, 15km, ML3.8, ISC 10 22:21:57.7-0.6, 31.24N, 0.07:48.20E, 0.05, h10km, n102, -0.144/99, mb4.1/23, MS3.3/4, Western Iran

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, ISC, Time, Res, h, m, s, ISC. Includes stations like AHWZ Ahwaz, RAFI Al-Rafai, RAFI, RAFI, ABEH Behbahan, IKFM Katar-mosallan, JHBN Jahran bin Zanghan, ZNGN Zanghan, IDOB Doab, IBDR Badra, IBDR, IBRJ Brojen, IBRJ, BDRS Dareh Seyedi, LBBA Ilam Banayeh, KLNJ Kolanjah, IGHG Ghaleghazi, KAZZ Kazeron-Fars-I, GLGI Ghazvin-Gharb, IGAR Garneher, IKHL Kolahrood, AHBU AHARAM, RAMESH Ramesher, SNRP Sonqor, Kerman, HAGD Agdashed, QAMS Qamsar, IDHR Dehrash, ILIN Lien, BHD Baghdad, BHD, BHEZ Behzad, KGS1 Zefreh, KGS1, SHI Shiraz, KRSH Karshahi, IQOM Qom, IRAZ Razeghan, QABG Abgarm-Qazvin, ISFB Seifabad, ISAD Isfahad, IVRN Yaramin, ANAR Anarak, IKRK Kirkuk, IKRK, IDNV Damavand, ICHK Chekchek, IGZV Ghazvin, IMEH Mehriz, ILAS Lasjer, KLST Kelardasht - M, MZPU Pul - Mazandaran, IPRN Peran, IALA Alasht, TNSJ Nastanj, TKDS Koohdasht(Taba), RAVN Ar Rayn, GEVA Geva, MARD Mardin, SHME Sham, UOSS Minazif, UOSS Minazif, MZR MZR, HATD Hatta, Dubai, ASHO Ashiyah, ASHF Jabal al Asfar, ASF, ASF, ALNE Mount Meron Ar, MMAI, EIL Elat, WSAR Wadi Sarin, WSAR, BRTR Keskin Array B, AKAB Akbulak array, AKKO Aktyubinsk, AKKO, AKAS Malin Array Be, AKAB Malin Array Si, AKKB, KIEV Kiev, KIEV, BURB Bucovina Arr, PUK Puka, BVAR Borovoye Array, BVAR, MKAR Makanchi Array, MKAR, MKAR.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, ISC, Time, Res, h, m, s, ISC. Includes stations like FINES FINESS Array B, FINES FINESS Array B, ZALV Zalesovo Beam, ZALV Zalesovo Beam, HFS Hagflos, NOA NORARS Array B, NC204 NORARS Array S, ARCES ARCESS Array B, EKA Eskdalemuir Arr, TORO Torodi Arr, SPITS Prapai, PSI Prapai, C27K Jago River, C27K, D25K Kavir River, D25K, E22K Anaktuvuk Pass, E22K, F24K Squaw Lake, F24K, IMAR Indian Mountain, G30M Taoh Zrail Nji, G30M, G31M Satah River, H29M Whitestone, ILAR Eielson Array, I30M Mount Dempster, YKA Yul'khitne.

IDC 10 22:24:51.3, 7.5, 23.70S, 179.82W, h519km, 55km, mb3.3/3, mbmp4.2/4, Error ellipse: s-maj=138.2km s-min=27.0km az=141.0, NEIC 10 22:24:52.6, 1.6, 23.73S, 0.06:179.9W, 0.2, h515km, 11km, mb4.3/14, Error ellipse: s-maj=26.9km s-min=8.1km az=141.0, ISC 10 22:24:52.5-1.0, 23.6S, 0.1:179.9W, 0.2, h532km, n25, -0.576/24, mb4.3/10, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, ISC, Time, Res, h, m, s, ISC. Includes stations like MSVF Nonsavu, MSVF, LTZ Lake Taylor, LTZ, MLZ Mavora Lakes, MLZ, ARMA Armadale, ARMA, EIDS Eidsvoll, CAN Canberra, CAN, CTAO Toalung, CTAO, STKA Stephens Creek, STKA, COEN Coen, COEN, BBOO Buckleboe, BBOO, ASAR Alice Springs, WBO Warramunga Arr, WBO, WRA Warramunga Arr, WRA, FORT Forrest, TX31 Lajitas Arr. Si, TX31, ARCES ARCESS Array B, HFS Hagflos, AKAS Malin Array B, MMAI Mount Meron Ar, EKA Eskdalemuir Arr, BURAR Bucovina Arr.

IDC 10 22:27:43.2, 5.8, 6.61S, 130.28E, h130km, 62km, mb3.6/6, mbmp4.1/10, MS3.0/1, Error ellipse: s-maj=51.5km s-min=20.7km az=40.0, DJA 10 22:27:44.9, 0.5, 7.3, 3, 13, 0E, h186km, 9km, M4.3/11, mb4.1/5, mb5.1/5, MLV4.4/11, Mw(m)4.4/5, NEIC 10 22:27:45.8, 1.2, 6.59S, 0.09:129.9E, 0.2, h137km, 12km, mb4.0/5, Error ellipse: s-maj=28.7km s-min=12.1km az=95.0, ISC 10 22:27:44.6, 0.6, 6.71S, 0.06:130.00E, 0.07, h146km, n41, -0.29/30/44, mb3.9/10, Banda Sea

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, ISC, Time, Res, h, m, s, ISC. Includes stations like SAUI Saumlaki, SAUI, SAUI Saumlaki, SAUI, SAUI Sandanaira, MSAI Masohi, FAKI Fak Fak, FAKI, SWI Sorong, MTN Manton Dam, SOEI Soe, RKPI Ransiki, Papua, BATI Baunata, BATI, BATI Baunata, BATI, BATI Baunata, FITZ Fitzroy Crossi, FITZ, FITZ Fitzroy Crossi, FITZ, WBO Warramunga Arr, WBO, WRA Warramunga Arr.

10d 22h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include WRA Warramunga Arr, WB2 Warramunga Arr, WRO Warramunga Arr, AS31 Alice Springs, ASAR Alice Springs, GUMO Guam, PZH Panzhihua, MSVF Nonsavu, USRK Ussuriysk Arr, SONMI Songoing Arr, MK31 Makanchi Array, MKAR Makanchi Array, MAZK Makanchi Array, ARSB Arslanbob, ZALV Zalesovo Beam, KURBB Kurchatov Arr, BVAR Borovoye Array, ABKAR Abkulan array.

NEIC 10 22:33:48.8, 2.3, 20.8S; 0.1, 178.6W; 0.1, h539km, 7km, mb4.3/38, Error ellipse: s-maj=16.4km s-min=15.2km az=109.0

IDC 10 22:33:50.9, 1.5, 20.78S; 178.71W, h572km, 16km, mb3.5/14, mbtmpt4/16, Error ellipse: s-maj=19.9km s-min=11.0km az=152.0

ISC 10 22:33:49.5, 0.5, 20.75S; 0.1, 178.73W; 0.08, h550km, n106, r152/111, mb4.2/35, Fijii Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include MSVF Nonsavu, NIUE Niue, DZM Mont Dzumac, ARMA Armadale, CTAO Charters Tower, STKA Stephens Creek, BBOO Buccleboke, JAY Jayapura, WRO Warramunga Arr, AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, WB0 Warramunga Arr, WB2 Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, HMH Humu'ula Sheep, KNRA Kununurra, FITZ Fitzroy Crossi, MBWA Marble Bar, VNSA Vanda, QSPA South Pole Qui, ADK Adak, PET Petropavlovsk, PEAOB Petropavlovsk, PETK Petropavlovsk, KRSR Korea Array, CHGN Chignik, USRK Ussuriysk Arr, USRK Ussuriysk Arr, KMRM Mail Ridge, CBX Cerro Bola, BELA Belgrano 2, OOD2 Mt. Diablo Mer, PLK4 Peulik 4, YBHA Yreka Blue Hour, MPK Martis Peak, PNTR Pine Nut.

2018 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include DSP Deep Springs, L04D Klamath Falls, NVAR Mina Array Bea, TPNV Topopah Spring, J05D Fort Rock, OR, K15K Wolf Creek Mou, SPU Summit Spurr, U15A North Rim, SUA Suitina One, G08A Pilot Rock, B08A Colville Reser, TXAR Lajitas Array, HDA Harding Spring, ILAR Eielson Array, CMAR Chiang Mai Arr, PDP31 Pinedale Array, PDAR Pinedale Array, YKA Yellowknife Arr, ZALV Zalesovo Beam, MKAR Makanchi Array, KURBB Kurchatov Arr, BVAR Borovoye Array, SPARS Spitsbergen Arr, ARTI Arti, ACES ARCESS Array B, FINES FINESSE Array B, NOA NORSTAR B, HFS Hagfors, AKASG Malin Array Bea, KIEB Malin Array Si, AKB Klev, BUNYAN Bunyan Lake, EKA Eskdalemuir Arr, BR13 Keskin Array B, BRTR Keskin Array B, BUR08 Buocovina Arr, BURAR Buocovina Arr, MMAI Mount Meron Arr, OSTO Ostas, MLR Monte Rosa, DPC Dobre Pole, PRU Pruhoonice, ZVC Zvikov, KHC Kasperske Hory, CKRC Cesky Krumlov, GERES GERES Array B, CONA Conrad Observa, RONA Roda, Aust, MOA Molin, ARSA Arzberg, ARSA, LESA Schwarzloetl, WATA Walderalm, RETA Reutte, RETA, WTTA Wattenberg, WTTA, MYKA Terra Mystica, MOTA Moosalm, MOTA, SQTa Sankt Quirin, ABTA Abfaltersbach, ABTA, ESDC Sonseca Array, TORD Torodi Arr, Bea, IDC 10 22:34:38.6, 8.8, 17.93S; 177.75W, h490km, 92km, mb3.2/5, mbtmpt4/15, Error ellipse: s-maj=46.4km s-min=38.4km az=18.0, IDC 10 22:34:38.8, 1.0, 17.75S; 0.3, 177.8W; 0.2, h500km, n8, r054/10, mb3.6/5, Fijii Islands region

0.6mm, 0.5s, baz=28, slow=3.3, SNR=1.5

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include NOU 10 22:46:13.4, 39.21S; 175.49E, h114km, MLV3.6/19, North Island, New Zealand, WEL 10 22:46:15.3, 3.0, 6.39S; 147.5E, h99km, 4km, M2.8/30, ML2.9/27, MLV2.8/30, Error ellipse: s-maj=6.4km s-min=5.1km az=95.5, confirmed, ISC 10 22:46:13.1, 1.3, 39.1S; 175.03S; 175.43E; 0.03, h120km, 6km, n146, r09/179, North Island, Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include COVZ Chateau Observ, PKVZ Taurewa, FWVZ Far West T-bar, FWVZ Ngauruhoe, PKVZ Pokaka, WTVZ West Tongariro, WTVZ Matarangi, MAVZ North Ngauruhoe, NNVZ South Ngauruhoe, SNVZ Whangape Hut, WHVZ Karewarewa, KRVZ Oturere, OTVZ Tutukino, TVVZ Waihanoa, WNVZ North Tongariro, MNTV Mangateitei, MTVZ Te Maari, TMVZ East Tongariro, ETVZ Kakarama, KATZ Moawhango, MOVZ Rihia Road, RATZ Rangitukia, WATZ Wairata, WRZ Vera Road, HATZ Hineaiaia, HTVZ Whakaora, WAZ Wanganui, KAHZ Kaahu Road, HIZ Haurangi, HIZ Haurangi, HIZ Haurangi, KWHZ Kaweka Forest, BKZ Black Stump Fm, BKZ Black Stump Fm, BKZ Black Stump Fm, MRHZ Matea Rd, TLZ Tolley Road, TLZ Lake Rotokare, WPRZ Whakapapatarin, KRHZ Kereru, WRZ Allien Road, ALRZ, PNHZ Pukenui, PNHZ Durham Road, GRHZ Galatos Road, TSZ Takapari Road, PRZ Palmer Road, MCHZ McNeill Hill, WPHZ Hancock Rock, OHWZ Ohaweke, NEZ North Egmont, HSRZ Hossack Road, NMHZ Naumai, KHEZ Kahui Hut, KHEZ Kahui Hut, KHEZ Kahui Hut, PNHZ Puketi, MTHZ Maungataniwha, RRRZ Reunification Roa, WPHZ Waipouanu, NEZ Newall Road No, ARHZ Araupuru, NMEZ Namu Road, POWZ Post Office Ro, MUGZ Murupara, TAPZ Taitoko Tarawera, DVZ Dandenridge, KAHZ Kahurangi, OMHZ Omania, MKRZ Makariri, KARZ Kararoa, PNHZ Puketi, RTZ Rutana, KKHZ Cape Kidnapper, KMRZ Kaimai, PXZ Panuwani, WHVZ Whangape, WPHZ Waipouanu, TOZ Tahuroa Road, PRWZ Porirua, MRZ Mangatanioka R, ANWZ Angora Road, URZ Urewera, URZ Urewera, BFZ Birch Farm, BFZ Birch Farm, BFZ Birch Farm, FVZ Fintona, OGWZ Otaki Gorge, HGWZ Hordworth Sta, KIWI Kapiti Island, KNZ Kokohu, CPWZ Castlepoint, MIZZ Miriama, ISGZ Rimuhau, MHGZ Mahia Peninsula, PRGZ Paritutu Road, CAW Cannon Point, TMWZ Taitoko Tarawera, MYRZ Mayor Island, DUWZ D'Urville Isla, TKGZ Te Karaka, MKAZ Moumakai, WEL Wellington, PAWZ Paritutu Farm, SNZO South Korori, TCW Tory Channel, TWGZ Tauwharepae, TRWZ Traverser, MAWZ Motukitara, CNWZ Carnagh Statio, BHW Baring Head, HAZ Te Kaha, WIAZ Waiheke Island, PLWZ Pailiser, KUZ Kuaotunu.

Table with columns: PKGZ, PAKIHIROA, 2.45 59 P, Pn, 22 46 53.0 +0.7, etc.

AEIC 10 23:03:01.2, 8.61, 47N, 0.03, 150.04W, 0.05, h20km, 5km, Error ellipse: s-maj=3.7km s-min=3.6km az=139.0

NEIC 10 23:03:01.6, 1.5, 61.51N, 0.02, 149.97W, 0.04, h42km, 5km, ML2.6/90, ML2.5(AEIC), Error ellipse: s-maj=3.6km s-min=3.0km az=162.0, Southern Alaska

Main table for station data on the left side, including columns for Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

Table with columns: SCRK, SAND CREEK, 3.70 45 Pn, Pn, 23 03 58.2 +2.0, etc.

IDC 10 23:05:31.9, 0.8, 13.29N, 81.22W, h0km, mb3.9/10, mbmp4.0/12, ML2.4/2, MS2.2/8, Error ellipse: s-maj=20.1km s-min=18.4km az=137.0

UPA 10 23:05:33.5, 2.3, 13.17N, 81.16W, h10km, 9.5km, CATAC 10 23:05:34.2, 0.3, 13.18N, 81.27W, h6km, 9km, ML4.3, R5NC 10 23:05:34.2, 0.0, 13.18N, 81.27W, h3km, 9km, M3.7, mb4.6, ML3.7

ISC 10 23:05:33.9, 0.9, 13.15N, 81.003, 81.22W, 0.03, h17km, 6km, n57, r166/80, mb3.9/10, MS3.3/4, Caribbean Sea

Main table for station data in the middle section, including columns for Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

Table with columns: ESDC, SONSECA ARRAY, 71.97 52 P, P, 23 16 57.5 +0.5, etc.

OMAN 10 23:08:49.3, 0.2, 26.92N, 54.98E, h13km, 2km, mb4.2/3, ml2.9/20, Error ellipse: s-maj=4.9km s-min=1.6km az=355.0

DSN 10 23:08:50.5, 0.8, 26.81N, 55.03E, h10km, ML6.1/2, Error ellipse: s-maj=9.4km s-min=2.8km az=6.0

ISC 10 23:08:51.0, 2.6, 26.81N, 55.00E, 0.04, h16km, 14km, n42, r072/60, Southern Iran

Main table for station data on the right side, including columns for Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

IDC 11 00:09:11.5, 4.2, 20.77N, 168.11E, h0km, mb3.5/2, mbmp3.5/3, ML2.8/1, MS2.3/1, Error ellipse: s-maj=119.4km s-min=32.2km az=129.0, Loyalty Islands

Table with columns: DZM, MONT DZUMAC, 2.06 229 Pn, Pn, 00 09 47.5 -0.1, etc.

IDC 11 00:21:31.1, 2.9, 33.39N, 91.24E, h0km, mb3.5/3, mbmp3.5/5, ML2.8/1, Error ellipse: s-maj=223.7km s-min=23.4km az=63.0

ISC 11 00:21:35.8, 1.1, 33.53N, 91.01E, 0.3, h35km, n6, r108/7, Qinghai

Main table for station data on the right side, including columns for Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

BUI 11 00:26:40.2, 43.89N, 146.28E, h101km, mb5.1/71, mb5.2/26

Table with columns for call sign, name, frequency, power, and status. Includes entries like PRZ Przheval'sk, WUS Wushi, A36M Sachs Harbour, etc.

Table with columns for call sign, name, frequency, power, and status. Includes entries like DIB Dawson Inlet, ARSB Arslanbob, LIRD Liard River Hi, etc.

Table with columns for call sign, name, frequency, power, and status. Includes entries like KULLO Kullorsuaq, LON Longmire, G03D Nickyville, etc.

11d Oh

2018 DEC

Table of astronomical observations for 11d Oh, listing objects like KONS, FITZ, STOK, etc., with their coordinates, magnitudes, and observation details.

Table of astronomical observations for 2018 DEC, listing objects like YHL, GCMT, SOEG, etc., with their coordinates, magnitudes, and observation details.

Table of astronomical observations for 2018 DEC, listing objects like DUG, DUG, DUG, etc., with their coordinates, magnitudes, and observation details.

Table listing astronomical observations with columns for name, coordinates, magnitude, and other parameters. Includes entries like SHME Sham, SNART Srtarneo, U15A North Rim, etc.

Table listing astronomical observations with columns for name, coordinates, magnitude, and other parameters. Includes entries like DPC Dobruska-Polom, MORC Moravsky Berou, UOSS UOSS, etc.

Table listing astronomical observations with columns for name, coordinates, magnitude, and other parameters. Includes entries like TNS MOA, BIOA BIA, MEM Membach, etc.

Table with columns for station name, frequency, mode, and other parameters. Includes stations like OZNA Ozona, SAND Sanderson, and many others.

Table with columns for station name, frequency, mode, and other parameters. Includes stations like PLCA Paso Flores, ALBA Ambambi, and many others.

Table with columns for station name, frequency, mode, and other parameters. Includes stations like TRQA, HRA Herat, BRH Bariadhala, and many others.

Table with columns for station name, frequency, mode, and other parameters. Includes stations like SJA, GUC, ISC, and many others.

11d 2h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ESTREMOZ, MONTAGNES, VISU, etc.

IDC 11 01:40:00.2, 8, 30, 17N:57.42E, h0km, mb3.5/3, mbtmp3.6/3, MS3.2/6, Error ellipse: s-maj=82.3km

TEH 11 01:41:00.7, 30, 42N:57.41E, h8km, ML2.2, DSN 11 01:41:00.4, 0.9, 30, 31N:58.42E, h10km, ML3.3/0, Error ellipse: s-maj=1.3km s-min=1.9km

OMAN 11 01:41:02.0, 0.3, 30, 55S:57.69E, h10km, 10km, mb4.5/23, m3.6/4, ms2.3/1, Error ellipse: s-maj=19.8km s-min=3.7km az=356.0

ISC 11 01:41:03.0, 0.7, 30, 80N:00.44E:57.43E, h15km, n106, e228/119, mb3.5/3, MS3.2/4, Northern and central Iran

Main table for the 11d 2h section, listing station codes, names, coordinates, and observation details.

2018 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AJAN, SOHO, FITZ, WRA, etc.

IDC 11 01:54:50.7, 1.5, 16, 73N:46.36W, h0km, mb3.9/4, mbtmp3.9/4, MS3.3/0, Error ellipse: s-maj=38.1km

NEIC 11 01:54:52.4, 1.7, 16, 86N:0.07E:46.5W:0.2, h10km, 2km, mb4.1/4, Error ellipse: s-maj=25.6km s-min=11.6km az=79.0

ISC 11 01:54:52.4, 1.0, 16, 9N:0.1x46.5W:0.1, h15km, n36, e079/19, mb4.0/10, MS3.3/8, Northern Mid-Atlantic Ridge

Main table for the 2018 DEC section, listing station codes, names, coordinates, and observation details.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BATI, FITZ, WRA, ASAR, MKAR, KURBE.

AZER 11 01:56:20.9, 38, 81N:48.70E, h40km, ml2.8, TEH 11 01:56:23.8, 38, 38N:48.32E, h20km, 4.5km, ML2.5, ISC 11 01:56:22.6, 1.3, 38, 79N:0.03E:48.74E:0.04, h41km, 8km, n37, e101/67, Iran-Armenia-Azerbaijan border region

Main table for the 722 section, listing station codes, names, coordinates, and observation details.

IDC 11 02:10:05.0, 17.0, 8, 54S:128.62E, h270km, 219km, mb2.9/1, mbtmp3.4/3, Error ellipse: s-maj=298.2km

s-min=97.2km az=75.0, Timor Sea

IDC 11 02:11:13.5, 22, 04S:170.91E, h0km, MLV.5/0.9, Southeast of Loyalty Islands

IDC 11 02:11:24.5, 2, 21, 81S:170.28E, h108km, 19km, mb3.8/4, mbtmp4.2/7, MS2.8/2, Error ellipse: s-maj=38.5km

s-min=17.7km az=171.0

ISC 11 02:11:27.0, 20, 21, 87S:008.170E:008.1100km, n19, e151/20, mb3.9/4, Southeast of Loyalty Islands

Main table for the 722 section (continued), listing station codes, names, coordinates, and observation details.

IDC 11 02:14:42.8+2.2, 216N-125.63E, h0km, mb3.2/3, mbtmp3.2/3, Error ellipse: s-maj=193.2km s-min=28.5km az=65.0, Talaud Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include WRA Warramunga Arr, ASAR Alameda, MKAR Makanchi Arr.

NEIC 11 02:26:29.4, 58.35S-25.62W, h160km, Moment Tensor Solution... Duration: 18s1 Moment tensor: Scale 1019Nm; Mm: 0.97; Mw: 1.41; Mb: 2.38; Mo: 0.39; Ms: 1.69; Mv: 4.75...

NEIC 11 02:26:29.4, 58.55S-26.39W, h160km, Moment Tensor Solution... Duration: 18s1 Moment tensor: Scale 1019Nm; Mm: 0.92; Mw: 1.42; Mb: 1.42; Mo: 1.11; Ms: 1.65; Mv: 4.75...

IDC 11 02:26:30.5, 0.4, 58.45S-26.39W, h147km, mb5.7/27, mbtmp6.1/29, MS6.4/33 Error ellipse: s-maj=7.0km s-min=5.9km az=53.0

BUI 11 02:26:30.2, 58.31S-26.38W, h150km, Mw7.0/53 IPGP 11 02:26:30.2, 58.60S-26.47W, h139km, Mw7.1, Fault plane solution... Principal axes: T 5.0420, Plg43.0000, Azm308.0000; N 1.1980, Plg25.0000, Azm191.0000; P -6.2340, Plg36.0000, Azm81.0000; nsta1 refers to body waves, cutoff=50s, nsta2 refers to surface/mantle waves, cutoff=150s.

ISC 11 02:26:31.4, 0.3, 58.54S-26.26W, h031, h149km, mb1km, h149kmP-P, N1690, az52/2012, mb6.8/161, 123C-42D, South Sandwich Islands Region

Main table of seismic stations for the South Sandwich Islands region, listing station codes, names, locations, and data.

Main table of seismic stations for the 2018 DEC period, listing station codes, names, locations, and data.

Main table of seismic stations for the 2018 DEC period, listing station codes, names, locations, and data.

Table with columns for station name, frequency, power, and other technical details. Includes stations like Vnda, C2SB, G002, JANB, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like LHPHF, ASCN, H10N1, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like MPMGF, DBIC, DBIC, etc.

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

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like Volcano Irazu, Lujan, Finca Echandini, etc.

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

Table with columns for station name, frequency, power, and other technical details. Includes stations like EMLI, WMLI, OSBL, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like PESTR, PMTG, DFMG, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like PTL, DION, EVR, etc.

Table with columns for station name, frequency, power, and various performance metrics. Includes stations like Masochi, Ruedersdorf, Sochi, Vesolyolye, and many others.

Table with columns for station name, frequency, power, and various performance metrics. Includes stations like Upper Bighouse, GOF, GENI, MUD, BIGH, and many others.

Table with columns for station name, frequency, power, and various performance metrics. Includes stations like VORR, ULM, ULM, ULM, ULM, and many others.

Table with columns: PUL, comp-Z, frequency, and various status codes. Includes entries like FRB Frobisher Bay, SHL Shilling, FINES FINES Array B, etc.

Table with columns: JMJC, Jan Mayen, frequency, and various status codes. Includes entries like JMJC Jan Mayen, UCH Uchter, JMC Jonhston Island, etc.

Table with columns: KULLO, Kullorsuaq, frequency, and various status codes. Includes entries like KULLO Kullorsuaq, GZHZ Guangzhou, GUMO Guam, etc.

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Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters.

2018 DEC

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters.

11d 3h

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters.

IDC 11 03:11:44.7z-1.0, 62.79N x 176.96E, h0km, mb3.8/19, mbmp3.8/20, ML3.4/1, Error ellipse: s-maj=28.4km s-min=14.7km az=6.0

NEPS 7 11 03:11:47.8, 62.74N x 176.79E, h24km, MPV3.7 ISC 11 03:11:46.1-0.6, 62.66N x 176.64E=0.05, h10km, n30, c=154/35, mb3.7/17, Eastern Siberia

Table with columns: Code, Station Name, Azimuth, Elevation, Power, and other parameters.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SUUS Susuman, PETK Petropavlovsk, ILAR Eielson Array, etc.

SJA 11 03:39:42.0, 0.8, 22.52S:68.49W, h139km, 2km, ML3.4, MW3.5

GUC 11 03:39:44.6, 0.8, 22.46S:68.51W, h123km, 4km, ML3.5

ISC 11 03:39:43.5, 1.6, 22.52S:68.53W, 0.06, h130km, 9km, n23, f110/46, SC, Northern Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like AF01 San Pedro de A, PB09 IPOC Station P, PB06 IPOC Station P, etc.

NEIC 11 03:49:30.9, 1.6, 18.0S:0.1, 178.1W:0.1, h513km, 7km, mb4.4/19, Error ellipse: s-maj=27.0km s-min=8.1km az=137.0

ISC 11 03:49:32.6, 0.0, 17.91S:178.20W, h528km, 66km, mb3.1/8, mbmp4.0/8, Error ellipse: s-maj=38.3km s-min=23.7km az=149.0

ISC 11 03:49:29.9, 0.7, 18.0S:0.2, 178.2W:0.2, h500km, n37, f113/38, mb4.0/18, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MSVFNONSUV, HORT Hortiatis, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like FUTU Fugatoga, STKA Stephens Creek, WB2 Warramunga Arr, etc.

IDC 11 04:01:20.6, 1.3, 39.50N:24.13E, h0km, mb3.4/5, mbmp3.4/8, ML3.5/3, Error ellipse: s-maj=25.9km s-min=21.6km az=150.0

ATH 11 04:01:21.8, 39.53N:24.24E, h35km, 5km, ML3.6/9, Error ellipse: s-maj=5.6km s-min=1.2km az=161.0

SOF 11 04:01:22.1, 39.8N:0.1, 24.25E:0.07, h5km, 38km, MD3.3/7

THE 11 04:01:22.4, 39.55N:24.28E, h14km, ML3.5/10, Error ellipse: s-maj=0.8km s-min=0.4km az=260.0

AFAD 11 04:01:23.6, 0.0, 39.49N:24.42E, h5km, 2km, ML3.4

ISC 11 04:01:22.1, 0.0, 39.65N:24.32E, h21km, ML3.4/3, h136.0, f0886/169, mb3.5, 19C-7D, Aegean Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like AOS Alonnissos, AOS2 Alonnissos-2, PAIG Paliouri, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KVLVA, GOAD, BOZC, GADA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC. Includes stations like BURAR Bucovina Array, MMAI Mount Meron Ar, AKASG Malin Array Be, etc.

NNC 11 04:07:39.92.7, 2.7'83N.69.58E, h0km, mb4.1, Error ellipse: s-maj=30.5km s-min=22.4km az=124.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC. Includes stations like KK31 Karatay Array, AAK Ala-Archa, TKM2 Tokmak 2, etc.

IDC 11 04:11:43.0.1.0, 39.55N.24.18E, h0km, mb3.7/10, mbmp3.7/14, ML3.8/4, Error ellipse: s-maj=15.4km s-min=13.8km az=115.0

ATH 11 04:11:43.4, 39.52N.24.25E, h41km, 2km, ML4.0/23, Error ellipse: s-maj=2.9km s-min=0.6km az=114.0

AFAD 11 04:11:43.0.0, 39.61N.24.17E, h10km, 2km, MW4.2

NAO 11 04:11:43.5, 39.79N.26.28E, h10km, mb3.8

PDG 11 04:11:43.6.0.6, 39.58N.24.30E, h12km, ML3.9/11, Error ellipse: s-maj=0.6km s-min=0.6km az=90.0

SOF 11 04:11:43.7, 39.73N.0.03.24.36E.0.02, h2km, 38km, MD3.8/7

NEIC 11 04:11:44.6.2.4, 39.58N.0.05.24.31E.0.05, h11km, 1km, mb4.5/23, Error ellipse: s-maj=8.1km s-min=5.9km az=153.0

TIR 11 04:11:44.3, 39.53N.23.94E, h7km, 3km, ML3.8

ISK 11 04:11:44.0, 39.58N.24.29E, h14km, ML4.0/14

THE 11 04:11:44.4, 39.55N.24.26E, h14km, 1km, ML3.9/12, Error ellipse: s-maj=1.0km s-min=0.5km az=175.0

MCSM 11 04:11:45.0.4.0, N2.2'2.4E, h11km, 3km, mb4.9, mb4.2, ML4.4, MW(mb)4.2

ISC 11 04:11:44.1.0.3, 39.54N.0.02.24.27E.0.02, h11km, 7km, n284, r1804/358, mb4.3/24, 29C-12D, Aegean Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC. Includes stations like AOS Alonissos, AOS2 Alonissos-2, AOS3 Alonissos-3, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC. Includes stations like PLG Polygyros, THAS Thassos island, SAGR SAGR, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC. Includes stations like IZMD zmir-Dikili, BUHA Balikesir, BURZ Burzen, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like MARR, TESR, BR105, BR106, BR131, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, and other technical details. Includes stations like ANGG, PBA, POGA, IGIL, INMG, CNRM, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like EPLA, EMIN, ECAB, EI Cabril, ECAB, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MJSAR Matsushiro Arr, SONM Songoing Array, WRA Warramunga Arr, etc.

JMA 11 05:06:26.4-0.8, 46°N, 6°15'3"E, h30km, MV4.8/11, KURILE ISLANDS REGION
MOS 11 05:06:28.2-1.2, 46°23'N, 152°53'E, h39km, mb4.7/19, Error ellipse: s-maj=9.2km s-min=6.3km az=71.7
SKHL 11 05:06:28.3-0.5, 46°00'N, 152°80'E, h53km, 6km, mb5.1/5, ms5.2/2
IDC 11 05:06:31.2-2.5, 46°36'N, 152°37'E, h71km, 22km, mb3.7/21, mbmp4.1/26, Error ellipse: s-maj=18.0km s-min=12.8km az=140.0
NEIC 11 05:06:34.2-1.3, 46°6'N, 0°1'15"E, 0.1, h58km, 10km, mb4.5/25, Error ellipse: s-maj=22.1km s-min=1.5km az=148.0
ISC 11 05:06:30.1-0.6, 46°12'N, 0°06'152.61E, 0.06, h50km, n151, c176/156, mb4.5/7, 10C, Kuril Islands

Main table of seismic events with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KUR Kuril'sk, SKR Severo-Kuril's, etc.

Main table of seismic events with columns: ZEA Zeya, CNR2 Changchun, KNS2 Korea Array, etc.

Main table of seismic events with columns: KBZ Khabaz, ASAR Alice Springs, AKASG Malin Array B, etc.

TRN 11 05:17:05.4-1.5, 37°50'N, 20°73'E, h0km, mb3.6/6, mbmp3.6/6, Error ellipse: s-maj=43.4km s-min=25.8km az=117.0
THE 11 05:17:06.5, 37°53'N, 20°41'E, h0km, 1km, ML3.4/8, Error ellipse: s-maj=2.2km s-min=0.4km az=235.0
ATH 11 05:17:08.1, 37°60'N, 20°52'E, h18km, 4km, ML3.5/8, Manual Solution by A.Moschou First location: 2018/12/11 05:18:00, This location: 2019/01/25 11:59:21 ML
Amplitudes are expressed in micrometers. All distances are expressed in degrees Latitude uncertainty: 4 km; Longitude uncertainty: 4 km

Main table of seismic events with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KRII KERI, LTHK Lithakia, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Riosols of Patr, Artemida-Makis, Lefkada island, etc.

IDC 11 05:27.12.7, 12.0, 9.23N:102.78W, h0km, mb3.3/3, mbtmp3.3/3, Error ellipse: s-maj=401.9km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Lajitas Array, Yellowknife Ar, Eielson Array.

VAO 11 05:33.09.8, 0.7, 20.90S:69.86W, h41km, 5km, mb5.1, SJA 11 05:33.09.1, 1.0, 21.00S:70.02W, h76km, 5km, ML5.0, MW4.5

IDC 11 05:33.11.8, 0.4, 21.02S:69.81W, h68km, 3km, mb4.0/13, mbtmp4.3/17, MS4.7/1, Error ellipse: s-maj=16.3km

NEIC 11 05:33.11.4, 2.8, 21.01S:0.04:70.05W, 0.19, h58km, 8km, mb4.7/45, Error ellipse: s-maj=11.9km s-min=6.3km az=91.0

GUC 11 05:33.12.3, 0.7, 20.99S:69.96W, h69km, 3km, ML5.1, ISC 11 05:33.11.0, 0.4, 20.99S:0.03:69.99W, 0.05, h65km, 3km, n182, r151/187, mb4.7/31, 6C-8D, Northern Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Diego Aracena, IROC Station P, Huaiquique, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PB18 Visiviri, PB14 IROC Station P, GO02 Mina Guanaco, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SNA4 Sanae, SNA4, TROLL Troll, DBIC Dimbokro, etc.

IDC 11 05:46:42.5, 7.4, 54.02N:86.27E, h0km, mbtmp2.9/2, ML2.6/2, Error ellipse: s-maj=21.2km s-min=12.9km az=65.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like I46RU ZALESOV INFRA, ZALV Zalesovo Beam, etc.

IDC 11 06:00:28.2, 8.5, 54.11N:86.41E, h0km, mbtmp3.1/2, ML2.6/2, Error ellipse: s-maj=20.2km s-min=12.9km az=54.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like I46RU ZALESOV INFRA, ZALV Zalesovo Beam, etc.

CATAC 11 06:08:06.1, 0.5, 14.08N:91.58W, h26km, 4km, ML4.1, SNET 11 06:08:06.0, 0.9, 14.26N:91.28W, h9km, 6km, ML3.6, GCG 11 06:08:11.0, 1.7, 14.39N:91.37W, h29km, 4km, MD3.8, ISC 11 06:08:05.9, 1.1, 14.09N:106.91W, 0.05, h56km, 9km, n45, r091/63, mb3.4/3, 1C-2D, Guatemala

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SULLM, RTAL, STG3, ESSG, FUG, CHTG, PCG, GUMI, GCG4, HUEH, UNIC, JAYA, PMON, LALI, PAVA, COEG, TECO, SCLA, PETF, LCND, CMIG, TEIG, TXAR, ANMO, NVAR, ILAR, CMAR, NEIC, NCEDC, KCTM, KMPM, KCRM, KJCC, KHMM, KIPM, KCPM, KRPM, KHBM, KHPM, KBNM.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like GTC, DCMP, LBPM, WEAU, KOMM, OOD2, GWRM, GROM, GVV, N02D, LBKM, SIGP, MO2C, GSNM, HOPFS, LTCM, KBO, LAMM, LSHM, LOZP, LCMN, GCHM, YBH, YBH, YBH, LGBM, M03C, M03C, M03C, O03E, O03E, LDBM, LMPM, LHMM, G040, LBFM, OSUM, OGOM, LRDM, SUBT, SUBT, HATC, HATC, HATC, LGMM, ORV, LBCM, M04C, LMHM, L04D, L04D, LASM, DBO, DBO, K04D, J05D, J05D, PNTR, PAHR, PAHR, YERR, YERR, PINE, PINE, PMPB, J08A, SOME, NNC, ISC, c244/21, 6C-3D, Northern Xinjiang.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ARXS, ARXS, ARXS, ARXS, KR11, KR11, LTHK, LTHK, LTHK, ORTH, KYPS, KYPS, PSDA, PSDA, RTZL, RTZL, VLS, VLS, VLS, DMLN, DMLN, DMLN, DMLN, FSK, FSK, FSK, RLS, RLS, RLS, AXS, AXS, AMT, DRO, EVGI, PVLG, NYDR, NYDR, PYL4, PYL2, PYL, PYL, MTHA, MTHA, ITM, ITM, ITM, TSJK, TSJK, PVO, KLV, KLV, EFP, GUR, GUR, ANX, ANX, KALE, KALE, DLFA, DLFA, LOUT, LOUT, LTK, LTK, VILL, VILL, OHR, OHR, BRTR, BRTR, AKASG, AKASG, ESDC, ESDC, HFS, HFS, FINES, FINES, TORD, TORD, AAK, AAK, KURBB, KURBB, MKAR, MKAR, ZALV, ZALV, STKA, STKA, WRA, WRA, ASAR, ASAR, H46RU, H46RU, ZALV, ZALV, KURBB, KURBB, KURBB, KURBB, MKAR, MKAR.

0.2m, 0.2s

IDC 11 07:07:36.4±2.5, 5°04'N, 125°64'E, h79km, 23km, mb3.5/8, mbtmp3.8/9, Error ellipse: s-maj=5.7km s-min=13.3km az=72.0

NEIC 11 07:07:38.2±1.1, 5°16'N, 0°05'126°0'E, 0.2, h82km±11km, mb4.4/11, Error ellipse: s-maj=24.0km s-min=3.6km az=73.0

DJA 11 07:07:39.0±0.5, 5°N, 4°12'16"E, h131km, 5km, M4.6/12, mb4.7/6, mB5.2/4, MLV4.5/12, Mw(Mb)4.6/4

ISC 11 07:07:38.7±0.6, 5.20N, 0.06E, 126.1E, 0.1, h100km, n33, ±132/37, mb4.0/13, Mindanao

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists seismic stations like Sangihe, Davao City, Warramunga, etc.

TRN 11 07:10:14.5, 10°30'N, 62°25'W, h8km, MD3.8, Gulf of Paria, Near coast of Venezuela

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists seismic stations like Mucurapo, Trinidad, etc.

NNC 11 07:20:05.2±1.1, 49.67N, 81°80'E, h0km, mb3.0, mpv2.6, Error ellipse: s-maj=16.7km s-min=4.1km az=51.0

Suspected Mining explosion. IDC 11 07:20:05.8±1.3, 48.75N, 81°66'E, h0km, mbmp2.4/2, ML1.9/2, Error ellipse: s-maj=17.7km s-min=8.8km az=55.0

ISC 11 07:20:04.4±1.2, 49.55N, 0°08'81.5E, 0.1, h0km, n7, ±056/9, 3C-2D, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists seismic stations like Kurchatov, Kurchatov Arra, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists seismic stations like MKAR, ZALVO, ZALV, ZALV.

IDC 11 07:35:35.3±2.7, 21°79'S, 168°97'E, h44km, 24km, mb3.7/8, mbtmp3.9/10, ML4.3, MS3.4/3, Error ellipse: s-maj=34.0km s-min=20.4km az=156.0

NOU 11 07:35:35.4±2.1, 99S, 168°71'E, h0km, MLV4.0/6, Loyalty Islands

ISC 11 07:35:33.6±0.8, 21°82'S, 168°98'E, 0.08, h31km, n20, ±18/20, mb3.9/13, Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists seismic stations like Mare, Loyalty, Ouen Toro, etc.

IDC 11 07:46:41.9±1.4, 8°05'S, 104°00'W, h0km, mb3.7/8, mbtmp3.7/8, MS4.0/11, Error ellipse: s-maj=87.0km s-min=19.4km az=58.0

NEIC 11 07:46:50.8±0.9, 4.05S, 0.1x, 102°8W, 0.2, h10km, 2km, mb4.5/39, Error ellipse: s-maj=34.3km s-min=20.3km az=243.0

ISC 11 07:46:48.8±1.1, 4.1S, 0.1x, 103°0W, 0.2, h10km, n67, ±193/44, mb4.4/27, MS4.0/11, Central East Pacific Rise

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists seismic stations like TLIG, MTO3, JTS, MOIG, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists seismic stations like LR05, HWUT, HANSEL, etc.

NEIC 11 08:04:42.0±2.7, 8°67'S, 0°08'118°91'E, 0.06, h135km, 7km, mb4.5/27, Error ellipse: s-maj=12.1km s-min=7.8km az=192.0

IDC 11 08:04:43.9±1.4, 8°54'S, 119°07'E, h160km, 12km, mb3.8/16, mbtmp4.4/21, Error ellipse: s-maj=18.5km s-min=6.8km az=56.0

DJA 11 08:04:43.0±0.3, 9°S, 3°11'9E, h144km, 5km, M4.7/18, mb4.7/6, mB5.1/4, MLV4.7/18, Mw(Mb)4.5/4

ISC 11 08:04:43.0±0.4, 8.69S, 0°04'118°93'E, 0.04, h156km, n107, ±150/118, mb4.3/32, Sumbawa region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists seismic stations like WBSI, WBSI, PLAI, etc.

Table with columns: WRA, Warramunga Arr, 18.64 129, P, P, 08 08 49.2, 0.0, etc. Includes various station codes and frequencies.

Table with columns: H03S1, Juan Fernandez, 81.84 124, T, T, 10 13 54.6, etc. Includes station names and coordinates.

Table with columns: ASF, comp=E, 1.0nm, 0.3s, baz=138, slow=21, SNR=1.5, etc. Includes station codes and technical details.

IDC 11 08:33:42.5-0.9, 287S:178:00W, h17km, mb3.0/2, mbmp3.6/3, Error ellipse: s-maj=46.4km s-min=25.3km az=131.0

NAO 11 08:35:20.9, 30:75N:49:60E, h33km, mb4.0, IDC 11 08:35:26.4-0.9, 31:49N:48:27E, h0km, mb4.3/22, mbmp4.2/26, ML3.7/4, MS3.2/3, Error ellipse: s-maj=20.7km s-min=11.8km az=173.0

HOQ Hoqain, 10.11 132 P, Sn, 08 38 08.6 +2.5, HOQ Hoqain, 10.49 52 Pn, Sn, 08 37 51.6 +2.2, HOQ Hoqain, 10.10 120 P, Sn, 08 37 51.6 +2.2

Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like AKBB, KIEV, BUR08, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like TORO, SOMN, ULN, CMAR, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like OK031, OK038, NOKA, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and various parameters. Includes stations like D22K Ayikyak River, E22K Anaktuvuk Pass, KURK Kurchatov, etc.

IDC 11 09:03:29.8; 1.2, 19.20N; 121.57E, h0km, mb3.5/4, mbmp3.5/4, Error ellipse: s-maj=78.5km s-min=25.9km az=72.0, Philippine Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and various parameters. Includes stations like WRA Warramunga Arr, MKAR Makanchi Arr, H1S3 WAKE ISLAND Hy, etc.

IDC 11 09:06:21.6; 1.9, 30.15N; 87.40E, h0km, mb3.8/7, mbmp3.7/9, ML3.1/1, MS3.4/1, Error ellipse: s-maj=39.8km s-min=35.3km az=80.0

IDC 11 09:06:26.4; 1.2, 30.20N; 02.875E; 0.2, h35km, n10, phi121.9, mb3.8/7, Xizang

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and various parameters. Includes stations like CMAR Chiang Mai Arr, MKAR Makanchi Arr, KURB Kurchatov Arr, etc.

JMA 11 09:27:31.2; 0.6, 44.1N; 2.139E, h267km, 4km, MV3.2/26, EASTERN SEA OF JAPAN

MOS 11 09:27:31.1; 0.9, 43.76N; 138.54E, h254km, mb3.7/5, Error ellipse: s-maj=11.0km s-min=8.1km az=66.3

SKHL 11 09:27:32.1; 0.9, 43.70N; 138.60E, h243km, 9km, mb4.7/5, msh5.0/5

IDC 11 09:27:32.1; 0.8, 43.80N; 138.52E, h249km, 8km, mb3.3/14, mbmp3.9/20, Error ellipse: s-maj=11.5km s-min=9.5km az=150.0

NEIC 11 09:27:32.1; 1.7, 43.76N; 0.104; 138.55E; 0.09, h240km, 8km, mb4.0/5, Error ellipse: s-maj=10.7km s-min=3.5km az=119.0

ISC 11 09:27:32.3; 0.6, 43.59N; 0.05; 138.61E; 0.04, h254km, 6km, n129, phi55/152, mb3.9/42, 1C-1D, Eastern Sea of Japan

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and various parameters. Includes stations like JSK Shakotan, JOSM Okushiri-Mats, TEY Ternei, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and various parameters. Includes stations like JHR Hokuryu, JSS Shosan, JREB Rebuntou, etc.

IDC 11 09:32:55.8; 1.2, 36.92N; 141.64E, h0km, mb3.5/8, mbmp3.5/11, ML3.0/3, Error ellipse: s-maj=25.7km s-min=21.4km az=78.0

JMA 11 09:32:58.7; 0.2, 36.9N; 0.44; 141.5E; 0.9, h43km, 1km, MD4.0/38, MV3.7/38, E OFF FUKUSHIMA PREF

NIED 11 09:32:58.7; 36.90N; 141.52E, h43km, MW3.7, Moment Tensor Solution, s3 Moment tensor, Scale 10^14Np1

Mri: 1.41; M0: -3.81; M2: 0.40; M3: -0.42; M4: -0.23; M5: -1.37; Fault plane solution: M3.61000x10^14 NP1: phi229.0000; phi370.0000; phi330.0000; phi128.0000; phi128.0000; phi128.0000; phi128.0000

ISC 11 09:33:00.2; 2.1, 36.92N; 0.057; 141.5E; 0.1, h50km, n33, phi185/24, mb3.5/8, 5D, Near east coast of eastern

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and various parameters. Includes stations like JAK Akkeshi, JAK Akkeshi, JAK Akkeshi, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and various parameters. Includes stations like BRVK Borovoye, ILAR Eielson Array, DHY Denali Highway, etc.

IDC 11 09:32:55.8; 1.2, 36.92N; 141.64E, h0km, mb3.5/8, mbmp3.5/11, ML3.0/3, Error ellipse: s-maj=25.7km s-min=21.4km az=78.0

JMA 11 09:32:58.7; 0.2, 36.9N; 0.44; 141.5E; 0.9, h43km, 1km, MD4.0/38, MV3.7/38, E OFF FUKUSHIMA PREF

NIED 11 09:32:58.7; 36.90N; 141.52E, h43km, MW3.7, Moment Tensor Solution, s3 Moment tensor, Scale 10^14Np1

Mri: 1.41; M0: -3.81; M2: 0.40; M3: -0.42; M4: -0.23; M5: -1.37; Fault plane solution: M3.61000x10^14 NP1: phi229.0000; phi370.0000; phi330.0000; phi128.0000; phi128.0000; phi128.0000; phi128.0000

ISC 11 09:33:00.2; 2.1, 36.92N; 0.057; 141.5E; 0.1, h50km, n33, phi185/24, mb3.5/8, 5D, Near east coast of eastern

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and various parameters. Includes stations like ONAJ Iwakimizuishi, ONAJ Iwakimizuishi, ONAJ Iwakimizuishi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Ouri, Yanaizu, Okura, Ashikaga, Shirataki, Atsumi, Matsuhiro Arr, Asahikawa, Ussuriysk Arr, Songino Array, WAKE ISLAND, Zalesovo Beam, Makanchi Array, Kurchatov Arr, Elieson Array, Borovoye Array, Warramunga Arr, Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like White River Cr, Idaho Springs, Red Feather La, Divide, AUR Ranch, Red Mountain, Mesa Verde, BSUT, Trail Mountain, Castle Valley, Casper, Henry Mountain, Jordanelle, Toone Canyon, Camp Tracy, Pinedale Array, Kaye Shedlock, Hardware Ranch, Marysvalle, Three Creeks R, Mount Pierson, Auburn Hatcher, South Promonto, Dugway, Tooele, Ogallala, Pink Cliffs, Big Grass Mtn, Snow King Mtn, Hansel Valley, Long Hollow, Teton Pass, Fox Creek, Kanab, Black Hills, Rotted Pine, Wupatki, Little Creek M, Red Lodge, Yellowstone No, Willow Creek R, Horse Butte, Cedar Bluff, Li-a Camp, Pahroc Range, Troy Canyon, Bassett, Sheep Range, LASA Array, Nelson, Topopah Spring, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA, ASAR, STKA, JOW, NWAO, CMAR, SONM, MKAR, ZALV, NVAR, TORO, NEIC, NOU, IDC, ISC, etc.

Table with columns: ILAR, Eielson Array, 82.92 13 P, P, 10 39 07.7 -0.3, comp=2.0,4nm,0.9s,baz=209,slow=5.0,SNR=1.6

IDC 11 10:30:33.9,2.2,6.98S,130:30E,h0km,mb3.5/1, mbmp4.2/4,ML4.4/3,Error ellipse: s-maj=84.3km s-min=28.4km az=78.0

DJA 11 10:30:43.7,0.3,7.7S,3.13E, h126km,11km,M4.4/10, mb4.3/6,mb5.0/LMv4.4/10,Mw(mB)4.3/3

ISC 11 10:30:42.5,1.0,7.13S,0.07E,130:65E,0.08,h100km,n26, az=314/13,Iran-Iraq border region

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

TEH 11 10:37:01.9,33.13N,46.24E,h9km,ML2.6

ISC 11 10:37:02.5,1.0,33.14N,0.04,46.23E,0.05,h100km,n10, az=154/13,Iran-Iraq border region

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

IDC 11 10:59:33.1,2.2,22.02S,170:00E,h0km,mb3.9/6, mbmp3.8/7,ML3.5/1,MS3.2/3,Error ellipse: s-maj=87.5km s-min=28.2km az=159.0

NOU 11 10:59:37.0,21.70S,169:56E,h0km,mb4.1/12,Southeast of Loyalty Islands

NEIC 11 10:59:41.9,1.1,21.3S,0.2,169:18E,0.06,h10km,2km, mb4.6/4,Error ellipse: s-maj=31.1km s-min=3.6km az=342.0

ISC 11 10:59:38.1,0.9,21.7S,0.1,169:67E,0.10,h21km,n32, az=149/30,mb3.9/8,Southeast of Loyalty Islands

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

Table with columns: ILAR, Eielson Array, 92.45 17 P, P, 11 12 44.8 -2.1, comp=2.0,4nm,0.7s,baz=257,slow=5.6,SNR=3.6

OSPL 11 10:59:45.1,1.3,18:19N,68:84W,h145km,23km,ML2.8

RSPR 11 10:59:46.2,18:75N,68:83W,h128km,3km,MD3.2/4

SDD 11 10:59:46.5,1.6,18:49N,68:99W,h132km,16km,MD2.9, ML2.4,MM2.3

ISC 11 10:59:44.2,3,18.5N,0.2,68.98W,0.04,h135km,18km, n15,az=93/22,9C-3D,Mona Passage

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

AUST 11 11:03:50.7,0.6,17.5S,3.129E, h8km,5km,mb4.0/9, az=122,Western Australia

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

IDC 11 11:11:52.6,1.4,2.92S,137:83E,h0km,mb3.4/3, mbmp3.4/5,ML3.4/2,MS2.9/1,Error ellipse: s-maj=36.5km s-min=28.1km az=86.0,Irian Jaya

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

SOME 11 11:12:54.0,41:75N,83:58E,h10km

NNC 11 11:12:56.1,2.5,41:76N,83:51E,h0km,mb3.7,mpv3.5, Error ellipse: s-maj=21.0km s-min=12.3km az=170.0

ISC 11 11:13:00.6,2.9,41:8N,0.1,83:26E,0.10,h15km,n16, az=174/22,4C-2D,Southern Xinjiang

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

Table with columns: ARXS, Arharly, 4.63 303 eP, Pb, 11 14 24.5 +2.9, 22nm,0.7s

NEIC 11 11:13:07.2,0.4,39:60N,0:02,107:36W,0:02,h1km,2km, ML3.6/10,Error ellipse: s-maj=3.6km s-min=1.2km az=209.0,Colorado

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

11d 11h

Table with 5 columns: X16A, Lo Mia Camp, P, 6.11 214, Pn, Pn, 11 14 40.9 +2.1

MOS 11 11:23:21.1±1.0, 0.03N; 124.27E, h40km, mb5.3/66, Error ellipse: s-maj=8.7km s-min=4.8km az=117.0

Code Station Name Δ° AZ° Phase ID Time Res

Main table of station data with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like KMSI Cibinong, LUWI Luwuk, KAPI Kappang, etc.

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Main table of earthquake data with columns: KPJI Karang Pucung, JCJI Jatwangi, FITZ Fitzroy Crossi, etc. Includes magnitude, time, and location details.

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Main table of earthquake data with columns: CMAR comp=Z,1.4nm,0.9s, bazi=167, slow=1.8, SNR=24, etc. Includes magnitude, time, and location details.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like LZH, CAN, GOMU, and ZAK.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ZAK, WMQ, MOY, MSVF, and ZAK.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SGDS, DRK, YAK, and UNV.

11d 11h

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Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like ABPO Ambohionanom, VOI Vohitsoka, GAMB Gambell, MAW Mawson, FALS False Pass, VVDA Vanda, RAYN Ar Rayn, AKT Akthy, K13K Kusilyak Mount, M13K Dall Lake, F14K Arctic Creek, ANM Nome, L14K Kuka Creek, CHNA Chernabura Isl, N14K Kusokwak Cree, BELG Belogomye, O14K Tigyukauvet M, M14K Bethel, GNI Garni, F15K North Star Dit, K15K Wolf Creek Mou, M15K Kasigluk River, O15K Ungalikthiok R, C16K Lisburne Hills, N15K Kwethluk River, CHGN Chignik, H16K Elim, G16K Koyuk River, J16K Anvik River, I17K Unalakleet, D17K Noatak River, L16K Owhat River, N16K Nishilik Lake, M16K Timber Creek, RDOG Red Dog Mine, C17K Delong Mountai, P16K Nushagak River, O16K Kokwok River B, E17K Hotham Inlet, F17K Baldwin Pennin, G17K Kiwalik Mounta, KBZ Khabaz, H17K Granite Mounta, J17K VABM Dome, L17K Donlin, K17K Kislovodsk, O17K Kologanek Bris, R17L Mt. Peulik Vol, E18K Tukpahlearik C, N17K Nushagak Hills, N17K Nushagak Hills, M17K Holitna River, B18K Kokolik River, C18K Utukok River, P17K Kvichak River, F18K Selawik, Q17K Contact Creek, H18K Honhosa River, G18K Tagayag, A19K Winwright, L18K Granite Mounta, L18K Granite Mounta, ACHA Angle Creek He, N18K Kilae Creek, J18K Innoko River.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like J18K Innoko River, C19K Lookout Ridge, P18K Big Mountain, Q18K Katmai Hardscr, M18K Stony River, O18K Koktuh Hills, GCSA Galena City Sc, F19K Shalercuk Mo, R18K Karluk, SII Sitkinak Islan, TTA Tatallina, G19K Purcell Mounta, G19K Purcell Mounta, D19K Kuna River, VRH Novokhopyorsk, H19K Roundabout Mou, E19K Redstone River, E19K Redstone River, J19K Poorman, O19K Port Alsworth, N19K Bonanza Creek, N19K Bonanza Creek, L19K White Mountain, ERBR Yemimizino-Bor, OHAK Old Harbor, Q19K Cape Douglas, PPT2 Papeete2, PPT2 Papeete2, F20K Avaraat Lake, F20K Avaraat Lake, B20K Meade River, B20K Meade River, H20K Anotleneega Mo, L20K Farewell, AK, SOC Soreh, SOC Soreh, SOC Soreh, SOC Soreh, K20K Telida, I20K Naaghedeneel, KDAK Kodiak Island, KDAK Kodiak Island, J20K Nowinta River, K18K Kibwezi, M20K Styx River, M20K Styx River, A21K Barrow, IMAR Indian Mountai, C21K Knifeblade Rid, SPCR Spri Chakacha, G21K Allakaket, G21K Allakaket, G21K Allakaket, A22K Sinclair Lake, VORD Divnogorie, PPLA Purkeypile, H21K Melozitina Rive, CHUM Lake Minchumin, VSR Storzhevoye, VSR Storzhevoye, VORR Voronezh, VORR Voronezh, CAST Castle Rocks, CAST Castle Rocks, KMBO Kilima Mbogo, KMBO Kilima Mbogo, KMBO Kilima Mbogo, KMBO Kilima Mbogo, SKT Skwentna, LPSR Galich'ya Gora, LPSR Galich'ya Gora, I21K Tanana, I21K Tanana, BRLK Bradley Lake, B22K Teshekpuk Lake, B22K Teshekpuk Lake, B22K Teshekpuk Lake, BRSE Bradley Lake S, D22K Ayiky River, SUA Susitna, SUA Susitna, SUA Susitna, KLMR Klimovskoe, KLMR Klimovskoe.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like H22K Ishaltina Cre, BPWA Bear Paw Mtn., G22K Bettles, E22K Anaktuvuk Pass, E22K Anaktuvuk Pass, GAZ Gaziantep, CUT Chulina, M22K Willow, ANN Anapa, ANN Anapa, TRF Thorofare Moun, O22K Cooper Landing, RC01 Rabbit Creek A, SEW Seaward, D23K Nanushuk River, D23K Nanushuk River, COLD Coldfoot, MOS Moscow, G23K Bananza Creek, G23K Bananza Creek, C23K Itkiliik River, C23K Itkiliik River, PMR Palmer, I23K Minto, Yukon-K, I23K Minto, Yukon-K, E23K Chandalar, E23K Chandalar, E23K Chanar, NEA2 Nenana, MCK McKinley, RND Reindeer, RND Reindeer, RND Reindeer, TOLK Toolik Lake Re, TOLK Toolik Lake Re, TOLK Toolik Lake Re, KNK Knik Glacier, KNK Knik Glacier, WAT1 Susitna Watana, PWL Port Wells, SML Sawmill, OBN Obninsk, OBN Obninsk, OBN Obninsk, D24K Happy Valley, D24K Happy Valley, WRH Wood River Hill, E24K Your Creek, C24K Franklin Bluff, C24K Franklin Bluff, M23K Glacier River, WAT6 Susitna Watana, LODK Lodwar, LODK Lodwar, LODK Lodwar, LODK Clear Creek Bu, H24K Noodor Dome, F24K Squaw Lake, F24K Squaw Lake, F24K Squaw Lake, SCM Sheep Creek Mo, MMAI Mount Meron Ar, MMAI Mount Meron Ar, DHY Denali Highway, DHY Denali Highway, G24K Hadweenzic Riv, G24K Hadweenzic Riv, GLI Glacier Island, HDA Harding Lake, HDA Harding Lake, IL31 Ilkiliik, IL31 Ilkiliik, ILAR Eielson Array, ILAR Eielson Array, EIL Eliat, QSPA South Pole Qui, QSPA South Pole Qui, QSPA South Pole Qui, M24K Tolsona, Glenn, M24K Tolsona, Glenn, D25K Kavik River, D25K Kavik River, G25K Bearman Lake, KLU Klutina, EYAK Cordova Ski Ar.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like K24K, LVZ, F25K, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like EPYK, MBAR, G30M, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like NOA, YKA, YKA, etc.

NEIC 11:30:47.3:0.6, 19:16N:02:155:54W:0.02, h39km, 3km, Error ellipse: s-maj=3.6km s-min=2.1km az=164.0

HVO 11:30:48.9:0.9, 19:14N:02:04:155:53W:0.05, h33km, 7km, ML2.5/27:ML2.6/40(NEIC), Error ellipse: s-maj=7.8km s-min=5.6km az=123.0, Hawaiian Islands

Table with columns for Code, Station Name, Azimuth, Phase, Time, and Residual. Includes stations like HPO, KHU, HHC, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HMH, NPOC, JCUZ, etc.

EST 11 11:31:47.1-0.1,59:22N-27:88E, h0km, ML1.5(HEL), Explosion
HEL 11 11:31:49.0-0.7,59:30N-27:76E, h0km, ML1.5, Suspected explosion
IDC 11 11:51:40.3-1.1,59:44N-27:24E, h0km, mbmp3.5/1, ML1.1/2, Error ellipse: s-maj=43.4km s-min=20.2km az=70.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EE04, VJVF, VJVF, etc.

BEO 11 11:56:58.9-0.7,41:89N-19:19E, h0km, ML2.2/8
RHSSO 11 11:56:59.6-0.8,41:92N-19:30E, h5km-2km, ML2.4/7
PDG 11 11:56:59.6-0.1,41:93N-19:24E, h11km, ML2.5/2

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ULC, DRME, BRIM, etc.

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

THE 11 11:59:12.8,37:48N-20:63E, h11km, ML2.9/9, Error ellipse: s-maj=1.4km s-min=0.5km az=42.0
ATH 11 11:59:12.8,37:49N-20:67E, h12km-2km, ML3.0/19, Manual Solution by M.Charalampakis First location: 20:18/12/11 11:59:30, This location: 20:19/03/27 12:18:09

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KR11, LTHK, LTHK, etc.

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

HEL 11 12:11:57.3-0.6,67:91N-19:99E, h0km, ML0.8, Explosion, Sweden
LANU Lannavaara baz=260 0.77 78 PG Pg 12 12 11.8 -0.2
LANU Kilpisjärvi 1.15 15 MSG Pg 12 12 33.1 -0.9

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

HEL 11 12:13:07.9-0.1,63:80N-23:28E, h0km, ML1.1, Explosion, Finland

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

NEIC 11 12:13:49.5-1.6,22:29S-0:08-67:30W-0:08, h218km-9km, mb4.5/5, Error ellipse: s-maj=11.3km s-min=10.2km az=160.0

SCB 11 12:13:53.2-1.3,22:27S-67:36W, h172km-13km, ML3.9/3, MW3.8, Error ellipse: s-maj=7.3km s-min=3.8km az=0.0
GUC 11 12:13:53.8-0.7,22:21S-67:66W, h220km-5km, ML4.0
IDC 11 12:14:01.8-6.5,21:52S-66:80W, h220km-49km, mb4.4/1, mbmp4.5/4, MS3.4/1, Error ellipse: s-maj=70.9km s-min=27.0km az=14.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AF01, PB09, PB09, etc.

Table of astronomical observations for 11 days, 12 hours. Columns include station codes (e.g., PZH, KDI, H08S2), station names (e.g., Diego Garcia H, Bau Bau, Tavang), coordinates, and various parameters (e.g., S pmax, S pmax, 12 57 35.9 +7.5).

Table of astronomical observations for 11 days, 12 hours. Columns include station codes (e.g., BTO, HHC, HHC), station names (e.g., Hu-ho-hao-te, Warramunga Arr, Warramunga Arr), coordinates, and various parameters (e.g., LR LR, LR LR, 41.51 17 eP pmax).

Table of astronomical observations for 11 days, 12 hours. Columns include station codes (e.g., TDK, QIS, OOD), station names (e.g., Taldyqorghan, Mount Issa, Oodnadatta), coordinates, and various parameters (e.g., 46.55 342 eP pmax, 46.95 120 P P, 47.02 131 P P).

Table with columns: Code, Station Name, Azimuth, Elevation, Magnitude, Distance, and other parameters. Includes stations like BRVK Borovoye, CMSA Cobar Meteor, ASAJ Asahikawa, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Magnitude, Distance, and other parameters. Includes stations like AKKB Malin Array Si, STNU Starunia, ARCES ARCES Array B, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Magnitude, Distance, and other parameters. Includes stations like MARZ Manawahe, KNZ Kokohu, MHGZ Mahia Peninsula, etc.

Table with columns: Station Name, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like Deep Springs, Mina Array Sit, Preston Nutter, etc.

DJA 11 14:20:03.0, 0.6, 4'S; 4°12'7"E, h12km, 4km, M3.9/11, mb4.2/2, MLv3.8/11, Seram

Table with columns: Code, Station Name, Δ°, AZ°, Op, Phase ID, ISC, Time, Res. Includes stations like Namlea, Ambon, Masohi, etc.

DJA 11 14:20:48.0, 0.2, 5'S; 2°10'3"E, h45km, 5km, M4.6/19, mb4.6/19, mB5.6/1, MLV4.6/19, Mw(mB)5.1/1

NEIC 11 14:20:48.9, 1.3, 4.6'S; 0.07°102'48"E; 0.07, h56km, 3km, mb4.9/41, Error ellipse: s-maj=11.1km s-min=9.1km az=46.0

IDC 11 14:20:51.0, 3.8, 4.5'S; 102°66'E, h75km, 32km, mb4.2/19, mbmp4.5/20, MS3.1/7, Error ellipse: s-maj=37.3km s-min=1.1km az=54.0

ISC 11 14:20:51.0, 4.4'S; 66°0'06", 102°55'E; 0.05, h56km, n119, 0.89D/119, mb4.8/39, MS3.0/6, 1D, Southeast Sumatra

Main table for section 803 with columns: Code, Station Name, Δ°, AZ°, Op, Phase ID, ISC, Time, Res. Lists numerous stations including MNAI, KSI, LWLI, etc.

Table with columns: Station Name, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like XAN Coen, BBDO Buckleboe, CTA Charters Tower, etc.

Table with columns: Station Name, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like NIL Nilore, KSRs Korea Array, KSH Kashi, etc.

Table with columns: Station Name, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like WUS Wushi, WUS Taragay, etc.

Table with columns: Station Name, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like CHGR Chuyangong, ARSB Arslanbob, BTK Batken, etc.

Table with columns: Station Name, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like USA0B Ussuriysk Arra, USRK Ussuriysk Arr, etc.

Table with columns: Station Name, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like KURK Kurchatov Arr, H04N1 CROZET ISLANDS, etc.

Table with columns: Station Name, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like BRVK Borovoye, ARTI Arti, etc.

Table with columns: Station Name, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like KNRA Kununurra, MTN Manton Dam, etc.

Table with columns: Station Name, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like WRA Warrunguna Arr, WBO Warrunguna Arr, etc.

Table with columns: Station Name, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like AF01 San Pedro de A, APMT Aspermont, etc.

Table with columns: Station Name, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like PB06 IOPC Station P, PB09 IOPC Station P, etc.

Table with columns: Station Name, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like PB04 IOPC Station P, PB09 IOPC Station P, etc.

Table with columns: Station Name, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like GO02 IOPC Station P, TA01 Diego Arcena, etc.

Table with columns: Station Name, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like DZM Mont Dzumac, DZM 27m, 0.3s, etc.

Table with columns: Station Name, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like ONTC Dueno Tor, KOUNC Kounac, etc.

Table with columns: Station Name, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like RAO Raoul Island, URZ Urewera, etc.

Table with columns: Station Name, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like MRZ Mangatainaka R, THZ Tophouse, etc.

Table with columns: Station Name, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like CTA Charters Tower, STKA Stephens Creek, etc.

Table with columns: Station Name, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like WRO Warrunguna Arr, WB0 Warrunguna Arr, etc.

Table with columns: Station Name, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like WRA Warrunguna Arr, WRA Warrunguna Arr, etc.

11d 16h

Error ellipse: s-maj=7.4km s-min=3.0km az=7.0
SOME 11 15:06:18.0, 42.95N, 72.78E, h10km
ISC 11 15:06:18.1, -1.1, 42.97N, 0.05, 72.79E, 0.03, h9km, 13km,

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MRKS Merke, DGS Degeres, BTLS Baital, etc.

IDC 11 15:09:19.4, 2.2, 6.16S, 130.10E, h0km, mb3.4/1,
mbtmp3.5/4, ML3.6/3, Error ellipse: s-maj=92.9km

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, etc.

IPEC 11 15:34:54.9, 0.2, 50.19N, 19.10E, h1km, ML2.5/4, Error
ellipse: s-maj=2.5km s-min=1.0km az=167.0

PRU 11 15:34:55.6, 50.21N, 19.09E, h0km

ISC 11 15:34:54.8, 0.8, 50.10N, 0.04, 19.12E, 0.02, h0km, n25,
<878.7/41, Poland

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like OJC Ojcow, LANS Liptovska Anna, MORC Moravsky Berou, etc.

UPA 11 15:44:53.9, 2.8, 8.43N, 83.38W, h16km, 26km, MD3.4,
ML3.7, MW3.6, 2C-1D, Costa Rica

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Table with columns: DVD, David, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like LOMA3 Loma Colorado, GUAL3 Gualaca, PSOM3 Paja de Sombre, etc.

NEIC 11 15:45:07.9, 1.1, 31.09N, 0.03, 103.32W, 0.02, h1km, 2km,
mb_Lg2.5/15, ML2.4/40, Error ellipse: s-maj=3.8km

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MNHN Monahans, ALPN Alpine, ODSA Odessa, SAND Sanderson, etc.

ISC 11 15:58:22.8, 0.3, 31.21N, 48.20E, h8km, 31km, ML4.1

IDC 11 15:58:24.6, 1.4, 31.36N, 48.22E, h0km, mb3.7/13,
mbtmp3.8/16, ML3.5/3, Error ellipse: s-maj=28.5km

s-min=17.0km az=177.0

NEIC 11 15:58:25.7, 0.9, 31.32N, 0.02, 48.2E, 0.1, h10km, 1km,
mb4.1/14, Error ellipse: s-maj=15.9km s-min=3.3km

az=95.0

TEH 11 15:58:27.0, 3.1, 41N, 48.28E, h15km, 36km, ML3.5

DSN 11 15:58:37.9, 2.0, 30.29N, 48.46E, h15km, ML3.2/4, Error

ellipse: s-maj=27.3km s-min=13.1km az=175.3

ISC 11 15:58:25.0, 0.6, 31.30N, 0.05, 48.20E, 0.05, h10km, n81,
<1590.87, mb4.0/19, Western Iran

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like AHWZ Ahwaz, RAFI Al-Rafai, ABEH Abehban, etc.

ASAF 0.2nm, 0.3s, baz=77, slow=14, SNR=1.3

WSAR 12.26 128 Pn 16 01 19.6 -0.7

WSAR 0.3nm, 0.3s, baz=315, slow=20, SNR=1.3

CSS Mathiatis 12.99 290 Pn 16 01 29.4 -0.7

BRTR Keskin Array B 14.92 309 Pn 16 01 53.8 +2.5

ILGA Igkaz 15.20 314 Pn 16 01 58.5 -1.9

AKBAR Akbulak array 20.01 23 P 16 02 57.5 -0.8

AKTO Aktyubinsk 20.48 18 P 16 03 05.2 -0.8

BELG Belogoroyev 21.09 359 P 16 03 10.4 +0.6

804

Table with columns: BURAR Bucovina Array, AKASG Malin Array B, AKBB Malin Array Si, etc.

FINES FINESST Array B 33.45 341 P 16 05 04.0 -0.4

FINES FINESST Array B 33.45 341 P 16 05 04.1 -0.2

ZALV Zalesovo Bank 34.61 38 P 16 05 14.5 0.0

HFS Hagfors 36.61 332 P 16 05 33.6 +0.2

NC405 NORSAR Array S 38.18 332 P 16 05 44.6 -0.3

NOA NORSAR Array S 38.34 332 P 16 05 46.0 -0.3

TORD Torodi Ar. Bea 46.31 258 P 16 06 52.2 +0.5

SONM Songino Array 46.69 52 P 16 06 55.2 +0.7

PETK Petropavlovsk 76.11 36 P 16 10 15.8 +2.4

D22K Ayikay River 78.94 8 P 16 10 28.7 -0.2

CZ7K Jago River 79.00 4 P 16 10 29.2 0.0

D25K Kavik River 79.11 5 P 16 10 30.2 +0.3

TOLK Toolik Lake Re 79.49 7 P 16 10 31.8 -0.3

E19K Redstone River 79.70 10 P 16 10 33.2 +0.1

E22K Anaktuvuk Pass 79.75 7 P 16 10 33.7 -0.1

E27K Coleen River 80.55 4 P 16 10 38.1 +0.4

ILAR Eielson Array 83.52 6 P 16 10 52.9 -0.5

IDC 11 16:01:47.2, 2.5, 5.13N, 125.61E, h0km, mb3.4/4,
mbtmp3.4/4, Error ellipse: s-maj=224.9km

s-min=24.9km az=66.0, Mindanao

WRA Warramunga Arr 26.36 161 P 16 07 25.5 +0.3

ASAR Alice Springs 29.75 165 P 16 07 55.3 -0.2

MKAR Makanchi Array 55.77 325 P 16 11 26.1 +0.1

BVAR Borovoye Array 65.54 327 P 16 12 32.3 -0.2

NOU 11 16:37:29.1, 12.67S, 166.02E, h0km, ML4.8/8, Santa
Cruz Islands, Santa Cruz Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like HURO Huro Makira, ALEG Aungmyethazan, HNR Honiara, etc.

IDC 11 16:50:32.7, 0.8, 41.1, 28S, 43.46E, h0km, mb4.0/7,
mbtmp4.0/8, ML3.3/1, MS3.4/13, Error ellipse:

s-maj=36.1km s-min=21.9km az=25.0

NEIC 11 16:50:34.8, 1.0, 41.1, 28S, 43.5E, 0.2, h10km, 1km,
mb4.2/10, Error ellipse: s-maj=40.2km s-min=13.4km

az=21.4

ISC 11 16:50:34.0, 0.6, 41.1, 28S, 43.5E, 0.1, h8km, n40,
<1935/25, mb4.1/8, MS3.4/13, Prince Edward Islands
region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like HU04N CROZET ISLANDS, HU04N3 CROZET ISLANDS, GRHM Grahamstown, etc.

Table of astronomical observations for 11d 17h, listing station names, coordinates, and observation details.

Table of astronomical observations for 2018 DEC, listing station names, coordinates, and observation details.

Table of astronomical observations for 2018 DEC, listing station names, coordinates, and observation details.

Table with columns for station name, frequency, power, and other technical details. Includes stations like ARXS Arharly, EKS2 Erkin-Say, SONM Sogingoy Array, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like CAN Canberra, CAN Canberra, CAN Canberra, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like BELG Mont Dzumac, BZM Belogomov, MMAI Mount Meron Ar, etc.

Table with columns: QSPA, Station Name, Az, El, AzE, Phase ID, Time, Res, ISC. Includes stations like South Pole Qui, CLL Collim, CIMO Cimolais, HFS Hagfors, CTI Castel Tesino, etc.

11d 17:05:13.22015:169.16E, h0km, mb3.9/3, mbmp4.0/5, ML3.8/2, MS2.3/1, Error ellipse: s-maj=43.4km s-min=34.1km az=169.0

11d 17:03:51.21875:169.20E, h0km, MLV3.7/10, Southeast of Loyalty Islands

11d 17:07:08.1.21815:0.09:169.12E:0.09, h31km, n17, e1507/18, mb3.9/3, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, El, AzE, Phase ID, Time, Res, ISC. Includes stations like MAREC Mare, LOYALTY Loyalty, etc.

11d 17:41:50.9.0.8.2.86S:139.00E, h0km, mb4.0/8, mbmp4.0/10, ML4.0/2, MS3.7/2, Error ellipse: s-maj=15.7km s-min=11.7km az=138.0

11d 17:41:56.0.2.3.3.13.9E:110km, M4.5/11, mB5.0/1, mb4.5/11, MLv4.4/7, mW(B)4.3/1

11d 17:42:01.8.1.1.3.4S:0.2:138.85E:0.08, h51km, 21km, mb4.3/13, Error ellipse: s-maj=25.5km s-min=1.6km az=187.0

Table with columns: Code, Station Name, Az, El, AzE, Phase ID, Time, Res, ISC. Includes stations like GENYEM Genyem, WAMEN Wamena, etc.

Table with columns: NLAI, Station Name, Az, El, AzE, Phase ID, Time, Res, ISC. Includes stations like Namlea, MTN Manton Dam, RABL Rabaul, etc.

11d 17:47:05.9.0.9.56:90S:24.95W, h0km, mb4.3/7, mbmp4.2/8, ML3.8/1, MS3.5/4, Error ellipse: s-maj=35.4km s-min=19.6km az=27.0

11d 17:47:12.3.2.0.57:10S:0.1:25.2W:0.2, h44km, 7km, mb4.6/34, Error ellipse: s-maj=20.5km s-min=15.2km az=218.0

11d 17:47:09.1.0.6.56:95S:0.09:25.1W:0.1, h22km, n61, e088/57, mb4.5/19, MS3.6/3, 4C, South Sandwich Islands region

Table with columns: Code, Station Name, Az, El, AzE, Phase ID, Time, Res, ISC. Includes stations like HOPE Hope Point, VNA3 Neumayer Olymp, etc.

11d 17:47:30.33.30:180 P QSPA South Pole Qui 33.30 180 P P 17 53 45.2 +0.4

11d 17:47:30.33.30:180 P QSPA South Pole Qui 33.30 180 P P 17 53 44.8 +0.1

11d 17:47:35.35.39:316 P ITAB East Falkland 35.39 316 P P 17 54 02.9 -0.1

Table with columns: Code, Station Name, Az, El, AzE, Phase ID, Time, Res, ISC. Includes stations like BOA4 Boia, MT09 Talagante, etc.

Table with columns: PB09, Station Name, Az, El, AzE, Phase ID, Time, Res, ISC. Includes stations like IPOC Station P, LBTB Lobatse, etc.

11d 17:55:05.0.3.94:97S:71.35W, h91km, ML4.6 NEIC 11 17:55:06.5.1.5.34:98S:0.04:71.12W:0.06, h96km, 4km, mb4.6/37, Mwrd 6/47, Error ellipse: s-maj=7.5km s-min=4.9km az=104.0, Moment Tensor Solution.

11d 17:55:06.5.1.5.34:98S:0.04:71.12W, h97km, 4km, mb4.0/12, IDC 11 17:55:06.5.1.5.34:98S:0.04:71.12W:0.04, h96km, 3km, mb4.6/35, Plg7.0000, Azm50.0000, P -8.846, Plg44.0000, Azm31.0000

11d 17:55:06.9.0.8.34:98S:71.13W, h101km, 3km, ML4.6 NEIC 11 17:55:06.9.0.8.34:98S:71.13W, h97km, 4km, mb4.0/12, IDC 11 17:55:06.9.0.8.34:98S:71.13W, h98km, 4km, mb4.0/12, mbmp4.4/14, MS3.6/6, Error ellipse: s-maj=21.2km s-min=12.1km az=83.0

11d 17:55:38.12.6.33:81S:69.71W, h318km, 15km, mb4.2 ISC 11 17:55:06.2.0.4.34:98S:0.03:71.12W:0.04, h96km, 3km, n182, e1936/218, mb4.6/29, 25C-3D, Near east of central Chile

Table with columns: Code, Station Name, Az, El, AzE, Phase ID, Time, Res, ISC. Includes stations like BO02 Sierra Bellavi, BO01 Tunca, etc.

11d 18h

Table with columns for station name, coordinates, and time. Includes stations like BI02, MT02, MT04, etc.

2018 DEC

Main table with columns for JCT, SAND, TXAR, MAW, MNHN, WVT, DBIC, ANMO, MX16, BOSA, MVCO, TORD, DUG, HWUT, PDAR, NVAR, ELK, ELK, ELK, FLYW, HLM, HLD, DGMT, PLID, MSVF, KEST, YKA, ASAR, ASAR, WRA, BVAR, BVAR, KURBB, KURBB, ZALV, ZALV, MKAR, MKAR, etc.

810

Table with columns for JARAX, CEAO, ZCO1, ICBC, UABX, UABX, YUHA, WESC, WESC, COCK, COCK, CPBX, CPBX, etc.

UPP 11 18:00:34.0... 67.07N:20.93E, h0km, ML2.2, Unknown

ISC 11 18:00:34.5... 67.08N:0.03:20.98E:0.05, h10km, n18, r138:20, Sweden

IDC 11 18:24:40.3... 2.21:255:169:05E, h0km, mb3.5,3, mbmtps3.4, ML3.3/1, Err ellipse: s-maj=74.4km

Table with columns for Code, Station Name, A, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DZM, WRA, ASAR, SONM, EKA.

NEIC 11 18:27:09.5... 1.2, 19:308N:0.010:155:262W:0.008, h5km, 1km, Error ellipse: s-maj=2.2km s-min=1.7km

HVO 11 18:27:09.2... 1.1, 19:317N:0.010:155:258W:0.005, h7km, 1km, ML3.1/44, ML3.1/44(NEIC), Error ellipse: s-maj=1.5km s-min=0.6km az=167.0, Hawaiian Islands

Table with columns for Code, Station Name, A, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HLP, PUH, PUH, PUH, etc.

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

IDC 11 18:48:27.9:7.7, 3.35N, 127.51E, h0km, mb3.5/3, mbtmp3.5/3, Error ellipse: s-maj=161.9km

IDC 11 19:12:09.6:1.4, 3.38S, 103.70W, h0km, mb3.6/5, mbtmp3.6/5, MS3.6/20, Error ellipse: s-maj=129.9km

IDC 11 19:12:09.6:1.3, 3.45S, 102.103.8W, h10km, n35, s=083.9, mb3.6/5, MS3.6/20, Central East Pacific Rise

Table listing stations like CMIG Matias Romero, ANMO Albuquerque, PFO Pinyon Flats O, etc.

Table listing stations like PDAR Pinedale Array, PPT Papete, PLCA Paso Flores, etc.

Table listing stations like YKA Yellowknife Arr, KDAK Kodiak Island, ILAR Eielson Array, etc.

Table listing stations like QSPA South Pole Qui, SNAW Sanae, H1N13 WAKE ISLAND Hy 90.51 290 T, etc.

IDC 11 19:17:32.0:0.8, 14.46N, 144.39E, h0km, mb3.5/8, mbtmp3.5/8, Error ellipse: s-maj=33.3km s-min=14.2km

Table listing stations like GUMU Guam, H1S13 WAKE ISLAND Hy 21.78 76 T, H1S11 WAKE ISLAND Hy 71.9 76 T, etc.

SONM Songino Array 45.76 325 P 19 25 56.4 +0.2

MAR Kurchatov Arra 60.54 316 P 19 27 46.6 +1.7

BVAR Borovoye Array 68.96 322 P 19 28 38.2 -1.5

PPT Papete 72.50 114 P 19 29 01.6 -0.3

YKA Yellowknife Arr 82.33 27 P 19 29 55.4 -0.7

Table listing stations like YKA Yellowknife Arr, YKA Yellowknife Arr, etc.

Table listing stations like YKA Yellowknife Arr, YKA Yellowknife Arr, etc.

Table listing stations like YKA Yellowknife Arr, YKA Yellowknife Arr, etc.

Table listing stations like YKA Yellowknife Arr, YKA Yellowknife Arr, etc.

Table listing stations like YKA Yellowknife Arr, YKA Yellowknife Arr, etc.

PMAFR Barrancos 2.76 51 eS Sn 20 57 55.7 -2.2

PMAFR Barrancos 2.76 51 eS Sn 20 57 32.4 -0.8

PESTR Estremoz 2.95 35 eS Sn 20 58 07.2 -1.5

PESTR Estremoz 2.95 35 eS Sn 20 58 06.7 -2.0

Table listing stations like PMAFR Barrancos, PMAFR Barrancos, etc.

Table listing stations like PMAFR Barrancos, PMAFR Barrancos, etc.

Table listing stations like PMAFR Barrancos, PMAFR Barrancos, etc.

Table listing stations like PMAFR Barrancos, PMAFR Barrancos, etc.

Table listing stations like PMAFR Barrancos, PMAFR Barrancos, etc.

Table listing stations like PMAFR Barrancos, PMAFR Barrancos, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KCPM, B08A, B08A, B08A, etc.

IDC 11 22:04:15.0t.1.4, 21.17S, 179.11W, h608km, 15km, mb3.4/12, mbtmp4.3/14, Error ellipse: s-maj=20.0km s-min=13.1km az=73.0

ISC 11 22:04:14.4t.0.6, 21.34S, 0.008E, 179.1W, 0.2, h600km, n22, c1551/23, mb3.9/15, 5C, Fiji Islands region

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

IDC 11 22:16:22.3t.0.8, 18.97N, 144.74E, h0km, mb3.8/10, mbtmp3.8/10, MS2.6/6, Error ellipse: s-maj=34.4km s-min=19.1km az=90.0

ISC 11 22:16:26.5t.0.8, 19.02N, 0.1x144.7E, 0.3, h27km, n22, c073/10, mb3.8/10, MS2.8/4, Mariana Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GUMO, JNU, H11S3, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMAR, ASAR, PSI, STKA, ZALV, MKAR, KURBB, ILAR, BVAR, YKA, NVAR, etc.

IDC 11 22:45:31.9t.1.3, 29.42N, 151.90E, h0km, mb3.9/13, mbtmp4.0/17, ML3.8/4, Error ellipse: s-maj=26.9km s-min=19.7km az=41.0

TEH 11 22:45:33.0t.29.49N, 151.99E, h8km, 31km, ML3.7, NEIC 11 22:45:34.2t.1.4, 29.42N, 151.92E, 0.09, h10km, 1km, mb4.1/21, Error ellipse: s-maj=14.6km s-min=13.3km az=202.0

DSN 11 22:45:35.8t.1.1, 29.31N, 152.05E, h15km, ML3.5/14, Error ellipse: s-maj=15.8km s-min=5.0km az=9.0

OMAN 11 22:45:36.0t.0.1, 29.27N, 152.10E, h10km, mb4.5/23, mb3.9/7, Error ellipse: s-maj=2.7km s-min=1.4km az=17.0

NAO 11 22:46:28.3t.34.06N, 46.59E, h33km, mb3.4, ISC 11 22:46:35.6t.0.5, 29.44N, 152.03E, 0.3, h25km, n164, c1538/195, mb4.0/26, Southern IRL

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

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

Table with columns: Code, Station Name, Az, Phase, ID, Time Res, h m s, ISC. Includes stations like TORO Torodi Ar. Bea, TORO Torodi Ar. Bea, SPITS Spitsbergen Ar, MJJAR Matsushiro Arr, YKA Yellowknife Ar.

1DC 11 22:47:00.21, 0.35; 77N; 27.45E, h0km, mb3.6/7, mbmp3.6/12, ML3.6/4. Error ellipse: s-maj=23.2km s-min=15.1km az=164.0

AFAD 11 22:47:01.3, 0.0, 35; 62N; 27.48E, h25km, 1km, ML3.1

ISK 11 22:47:03.2, 35; 77N; 27.35E, h8km, ML3.4/23

ATH 11 22:47:03.4, 35; 81N; 27.35E, h16km, 3km, ML3.2/5, Error ellipse: s-maj=3.4km s-min=1.0km az=166.0

THE 11 22:47:03.6, 35; 75N; 27.41E, h5km, 1km, ML3.5/5, Error ellipse: s-maj=1.5km s-min=0.3km az=142.0

ISC 11 22:47:03.5, 0.8, 35; 70N; 0.03; 27.44E, 0.0, h25km, 7km, n80, c1925/106, mb3.4/7, Dodecanese Islands

Main table of station data for the 11d 23h period, including stations like KARP Karpathos, ARG Arkhangelos, NISR Nisiros, YAZI Mula-Datša, DAT Datca, ZKR Zakros, MRSB Marmaris-Mugla, TURN Turunc, KALNA Kalyrnos, BODR Bodrum, YKAV Yalikavak-BoDr, YER Yerkesik, FETHY Fethiye, MULA Mugla, MULA Merkez, MULA Mula, THRR Santorini-Mono, THRR Santorini-Mono, DDIM Aydin, Didim, THR6 Thira Island, THR2 Thira Island, THR3 Thira Island, KSL Kastellorizon, CMBO Columbo, Santo, THAS Thira Island, AKAS Kas, CAME Camel-Denizli, IACM Heraklion, GCAM G7zelcaml?, GCAM G7zelcaml?, GCAM G7zelcaml?, APE Apeiranthos, SMG Samos, IDI Anoyia, IDI Anoyia, IDI Anoyia, IDI Aydin-Nazilli, IDI Aydin-Nazilli, IDI Aydin-Nazilli, ESEN Esen, ELL Elmal, TMBK Timbaki Herakli.

Table of station data for 2012 DEC, including stations like APMY Acipayam-Deniz, NAZL Nazilli-Ayдын, GMLZ Gumuldur, KORT Korkuelli, BLBC Balkova, KULA Kula-Manisa, GORD Gordes-Manisa, BRTR Keskin Array B, MMAI M17, 110, Pn, MMAI M17, 110, Pn, ASF Jabal al Asfar, EIL Eliat, EIL Eliat, KEST Kesra, ABTA Abfattersbach, LESA Schwarzeleot, WTTA Wattenberg, GERES GERES Array B, FETA Feichten, DAVA Damuels, ESKD Sonseca Array, FINES FINES Array B, HFS Hagfros, TORO Torodi Ar. Bea, MKAR Makanchi Array, ZALV Zalesovo Beam, SONMI Songoing Array, TRN 11 23:09:11.5, 18.41N; 62.33W, h39km, MD4.2, North-east of Anguilla, Leeward Islands

1DC 11 23:20:30.9, 4.0, 2.21N; 96.65E, h0km, mb3.5/5, mbmp3.5/5, Error ellipse: s-maj=158.9km s-min=30.9km az=56.0

DJA 11 23:20:30.8, 0.5, 2.2N; 3.9E, h31km, 10km, M3.7/13, mb3.6/11, ML3.7/13

ISC 11 23:20:31.7, 1.1, 1.86N; 0.06; 96.85E; 0.08, h28km, n22, c082/15, mb3.4/5, Off west coast of northern Sumatra

Table of station data for the 2012 DEC period, including stations like SNSI Sinabang, Aceh, GSI Gunungsitoli, KCSI Kutacane, Aceh, KCSI KCSI, PPSI Pulau Batu, MSLI Meulaboh, Aceh, MMSI Mandailing Nat, LHOK Lhok Sumawe, GSI Banda Aceh, H0S2 Diego Garcia H, H0S3 Diego Garcia H, WRA Warramunga Arr, MKAR Matchi Array, SONMI Songoing Array, KURBB Kurchatov Arr, ZALV Zalesovo Beam, H04N2 CROZET ISLANDS, H04N1 CROZET ISLANDS, H04N3 CROZET ISLANDS, H04S1 CROZET ISLANDS, H04S3 CROZET ISLANDS, H04S2 CROZET ISLANDS

TEH 11 23:22:24.1, 31; 22N; 48; 16E, h18km, 16km, ML3.4

1DC 11 23:22:25.7, 2.4, 3.1; 74N; 48; 16E, h0km, mb3.6/7, mbmp3.6/7, Error ellipse: s-maj=49.0km s-min=28.8km az=158.0

ISC 11 23:22:25.0, 1.1, 31; 29N; 0.1; 0.48; 20E; 0.06, h10km, n39, c112/39, mb3.6/7, Western Iran

Table of station data for the 2012 DEC period, including stations like AHWZ Ahwaz, INFM Katar-mosalmal, JHBN Jabal bin, ZJNG Zangian, IDOB Doab, IPIR Pirpir, IBRJ Brjeh, ILBA Iran-Aravizeh, KLNJ Kolanj, HSAM Samen, KCHF Keshme Sefid, IGHG Galeghazi, IGAR Gharheh, IKLH Kotahrood, SHQR Sogor, Kerman, HNAG Aghdareh, IRAM Ramesheh, QAMS Qamsar, IDHR Dehras, ZEFZ Zefreh, KGSJ Ghaz-e-Shirin

Table of station data for the 814 period, including stations like KRSH Karshahi, IOOM Oom, IRAZ Razeghan, QAGB Abgarm-Qazvin, ISFB Sefidab, IVRN Yaramin, ANAR Anarak, ICHK Chekchek, IMEH Mehriz, IFIR Firuzkooh, MZPU Pir - Mazandar, AKASA Main Array Be, BVAR Borovoye Array, MKAR Makanchi Array, FINES FINES Array B, HFS Hagfros, NOA NORRAR Array B, TORO Torodi Ar. Bea

SJA 11 23:25:11.9, 0.7, 30; 51S; 71; 69W, h10km, ML4.4

GUC 11 23:25:11.9, 0.7, 30; 57S; 71; 28W, h60km, 2km, ML4.4

1DC 11 23:25:12.0, 3.0, 30; 55S; 71; 19W, h49km, 28km, mb3.8/7, mbmp3.9/11, ML3.8/4, MS3.1/3, Error ellipse: s-maj=29.6km s-min=18.0km az=97.0

NEIC 11 23:25:12.8, 1.6, 30; 56S; 0; 03; 71; 37W; 0; 05, h55km, 4km, mb4.3/12, Error ellipse: s-maj=6.7km s-min=4.9km az=79.0

ISC 11 23:25:12.2, 0.7, 30; 54S; 0; 03; 71; 43W; 0; 04, h58km, 6km, n16, c1541/121, mb2.2/10, 4C, Near coast of central Chile

Main table of station data for the 814 period, including stations like CO06 Fray Jorge, CO06 Fray Jorge, CO05 La Serena, CO05 La Serena, CO04 Tololo Observa, CO04 Tololo Observa, CO04 Tololo Observa, CO03 El Pedregal, CO03 El Pedregal, CO03 El Pedregal, CO01 Juntas del Tor, CO01 Juntas del Tor, CO01 Juntas del Tor, CO04 Los Peladeros, CO04 Los Peladeros, LCO Las Campanas, LCO Las Campanas, LCO Las Campanas, AROD Rodeo, ACDV Cuesta del Vie, OCCO Cerro Coronel, DOCA Reserva Natura, RTLS Leoncito, VA03 San Esteban, VA03 San Esteban, VA03 San Esteban, VA03 San Esteban, VA03 San Esteban, AC04 Llanos de Chal, AC04 Llanos de Chal, ZON Zonda, ZON Zonda, RILL Cerro Villicon, PEL Peldehue, PEL Peldehue, MT02 Curacav, MT02 Curacav, AGUA GUANDACOL, MT05 Renca, MT05 Renca, MT05 Renca, MT05 Renca, MT05 Renca, FCH Farellones, FCH Farellones, ASAL Salagasta, MT03 Universidad Ad, MT03 Universidad Ad, MT04 Ro Olivares, GO03 Copiapo, GO03 Copiapo, ARCO CERRO ARCO, MT08 Bocatoma Ro, AC06 Mina Casimiro, MT01 Popeta, MT01 Popeta, AC01 Pan de Azucar, MT13 San Alfonso, AAGR Agrelo, AVFE Valle Fertil, LMEL Las Melosas, BO04 La Punta, AVIZ Viza-cacheras, BO01 Tuncas, AC01 CERRO LA CRUZ, ACHE Cuche, APLL PUNTA DE LOS L, BO02 Sierra Bellavi, BO02 Sierra Bellavi, AC01 Pan de Azucar, AC01 Pan de Azucar, GO05 Hualane, GO05 Hualane, MB02 Panimavita, PL14 IPOC Station P, SA02 San Fabin de, BI05 Punta Hualpen, H03N1 Juan Fernandez, H03N2 Juan Fernandez, H03N3 Juan Fernandez

Table of astronomical observations for Dec 2018, starting with H03S3 Juan Fernandez. Columns include Code, Station Name, Azimuth, Altitude, Phase ID, Time, and Residuals.

Table of astronomical observations for Dec 2018, starting with UKT comp=N,170nm,0.7s. Columns include Code, Station Name, Azimuth, Altitude, Phase ID, Time, and Residuals.

Table of astronomical observations for Dec 2018, starting with FSK lthomi. Columns include Code, Station Name, Azimuth, Altitude, Phase ID, Time, and Residuals.

Table with columns: Code, Station Name, Az, El, Pmax, P, Res, Time, ISC, h, m, s, ISC. Includes stations like LZH Lanzhou, GTA Gaotai, SONM Songino Array, etc.

IDC 11 23:34:55.6-0.7, 2.26N, 126.57E, h0km, mb4.4/15, mbmp4.4/15, MS3.6/21, Error ellipse: s-maj=3.4,3km s-min=15.5km az=73.0

DJA 11 23:35:01.6-1.4, 2.2N, 126.7E, h19km, mb3.0/10, mb5.0/6, mB5.3/5, MLV4.5/14, Mw(m)B4.7/5

NEIC 11 23:35:02.5-1.7, 2.21N, 126.72E, 0.09, h49km, mb3.0/10, mb4.6/34, Error ellipse: s-maj=16.8km s-min=10.1km az=219.0

ISC 11 23:35:02.1-0.4, 2.26N, 126.57E, h0km, h53km, n111, s184/77, mb4.5/34, MS3.5/20, Northern Molokai Sea

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TNTI Ternate, SHEM Shemya Is, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ARMA Armidale, USA0B Ussuriysk Arra, etc.

IDC 11 23:45:04.4-1.1, 60.92N, 148.26W, h0km, mb3.9/2, mbmp3.5/7, ML3.1/5, Error ellipse: s-maj=19.6km s-min=15.8km az=140.0

NEIC 11 23:45:06.8-0.9, 61.38N, 150.06W, 0.05, h41km, 1km, Error ellipse: s-maj=3.8km s-min=3.4km az=182.0

AEIC 11 23:45:07.6-0.9, 61.36N, 150.05W, 0.04, h34km, 7km, ML3.3 ML3.5/72(NEIC), Error ellipse: s-maj=3.2km s-min=3.0km az=167.0

ISC 11 23:45:07.3-1.6, 61.36N, 150.05W, 0.03, h36km, 1km, n95, 0574/109, Southern Alaska

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like RC01 Rabbit Creek A, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SUA Susitna One, M22K Willow, etc.

Table with columns: ID, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Chitina, Valde, Koktuh Hills, Cape Douglas, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ANWB Willy Bob, ANWB Saint Kitts, etc.

SJA 12:00:30:57.8,0.7,50.785;74.98W,h37km,31km,ML4.9,MV4.9
IDC 12:00:31:01.1,0.6,50.735;74.10W,h0km,mb4.3/13,mbmp4.4/16,ML4.1/3,MS4.0/18,Error ellipse: s-maj=23.6km s-min=12.7km az=84.0

GUC 12:00:31:03.1,0.4,50.795;74.02;74.64W;0.03,h22km,1km,MV4.9/87, Moment Tensor Solution, s32,c37; s87,c117; Duration: 0 Moment tensor: Scale 10^19N; Mr=0.09;14; Mw=2.82;12; M0=2.73;12; M1=-0.40;16; M2=0.80;09; Mw=0.82;21; Best double couple: M2:91400.1016 NP1=307.00000; 1.7.00000; NP2= 217.00000; 683.00000; 1.177.00000; Principal axes: T 2.9790, Plg70.0000; Azm172.0000; N -0.1330, Plg82.0000; Azm329.0000; P -2.8490, Plg3.0000; Azm82.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

GUC 12:00:31:03.1,0.4,50.795;74.32W,h38km,18km,ML5.0
NEIC 12:00:31:03.7,2.0,50.635;0.06;74.11W;0.2,1h7km,4km,mb4.7/39, Error ellipse: s-maj=18.6km s-min=7.6km az=79.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Cerro Castillo, Villa O'Higgins, Punta Arenas, Cochrane, Ushuaia, etc.

Table with columns: PMSA, Palmer Station, Azimuth, Phase, ID, Time, Res. Includes stations like Palmer Station, Palmer Station, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ANWB Willy Bob, ANWB Saint Kitts, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Cerro Castillo, Villa O'Higgins, Punta Arenas, Cochrane, Ushuaia, etc.

Table with columns: TXAR, Lajitas Array, Azimuth, Phase, ID, Time, Res. Includes stations like Lajitas Array, Junction City, etc.

NOU 12:00:41:21.0,22.345;169.60E,h0km,MLv4.1/14, Southeast of Loyalty Islands
IDC 12:00:41:21.2,2.9,21.785;169.55E,h0km,mb3.9/4, mbmp3.8/5,ML3.3/1,MS3.2/3, Error ellipse: s-maj=144.8km s-min=25.5km az=158.0

ISC 12:00:41:22.9,1.2,22.35;0.1;169.70E;0.09,h22km,n22,0.09/21,mb3.9/4, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MARNC Mare, Loyalty, YATNC Mamie plateau, etc.

NOU 12:00:44:39.3,40.61S;174.85E,h52km,MLv3.2/10, Cook Strait, New Zealand
WEL 12:00:44:39.2,0.3,41.5;4.7;17.5E;h33km,7km,M3.4/15,ML3.7/15,MLv3.4/15, Error ellipse: s-maj=5.7km s-min=4.6km az=91.8, confirmed

ISC 12:00:44:39.9,1.3,40.565;0.03;174.84E;0.03,h43km,11km,n84,0;70/91, Cook Strait

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KIW Kapiti Island, OGWZ Otaki Gorge, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like TRWZ, PLWZ, BFZ, etc.

TRN 12:01:00:41.4, 16.65N-59.65W, h47km, MD4.6, Far East of

Guadeloupe,, Leeward Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like DWS, ANBD, TBG, etc.

TRN 12:01:17:11.7, 15.35N-61.30W, h14km, MD3.9, Dominica.

Feli in Dominica, MMI V, VI

NEIC 12.01:17:13.4, 14.15-36N, 01:01:61.27W, 0.05, h26km, 10km,

ML3/4/26, Error ellipse: s-maj=6.7km s-min=0.9km

az=74.0

ISC 12:01:17:12.9-0.8, 15.35N-02:61.30W, 0.04, h13km, 6km,

n42, 0.886/62, 3C, Leeward Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like MDN, DWS, TBG, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like MBFL, ANWB, ANWB, etc.

NEIC 12:01:28:33.6, 2.1, 10.30S: 0.09:161.64E: 0.10, h79km, 8km,

mb4.4/15, Error ellipse: s-maj=15.4km s-min=10.9km

az=52.0

IDC 12:01:28:34.9-5.0, 10.33S: 161.54E, h88km, 34km, mb3.8/9,

mbtmp4.1/10, MS3.2/4, Error ellipse: s-maj=44.8km

s-min=18.9km az=105.0

ISC 12:01:28:30.6-0.7, 10.34S: 0.09:161.79E: 0.08, h54km, m29,

c113/29, mb4.3/13, Bougainville-Solomon Islands

region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Code, Station Name, Az, Phase ID, Time, Res.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like BOSA, SUR, SUR, etc.

SJA 12:01:51:14.2, 0.0, 6.3161S-67.08W, h119km, 3km, ML3.4,

MW3.5, San Juan Province

Table with columns: Code, Station Name, Azimuth, Phase ID, Time Res, ISC. Includes stations like ULN, WRA, WRM, SONM, HEH, ASAR, WMQ, WUS, MK31, MKAR, MAKZ, KSH, NIL, PETK, ZAAO, ZALV, STKA, ARSK, DRK, KURB, KURK, BTK, GAR, KBL, CHGR, SIMJ, KJAR, BVAR, BRVK, HRA, HRA, TIXI, NRIK, NRIK, ABKAR, BILL, ARTI, RAYN, KBZ, H19K, B22K, G21K, C23K, D23K, E23K, E24K, F24K, ILAR, F25K, BRTR, FINES, AKASG, BUR08, KMBO, FARO, HFS, NB2, NOA, GERES, Y2K, TXAR.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time Res, ISC. Includes stations like PARYS, HRAO, SNKL, SWZ, LBTB, LBTV, CRLN, MAKGR, NWCL, BOSA, BOSA, PILG, LPHEP, SKOMA, SKOMA, POGA, MREMI, KWAN, PMBG, KSTD, MOPA, MOPA, MOPA, MUSN, MUSN, MUSN, ALKP, UPI, KGCAE, SOOWA, CKGRV, BFON, BLWY, BRAK, ROOI, GRAN, KOOLE, FRAZ, GRTLK, GRTLK, SUR, SUR, KOMG, KRI, KRI, KRI.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time Res, ISC. Includes stations like KERI, LTHK, LTHK, LTHK, LTHK, ORTH, KYPS, RTZL, CLEM, VLS, VLS, VLS, LXR1, SMHA, DMLN, RLS, RLS, RLS, VSK1, VSK1, FSK, FSK, FSK, AMT, AMT, AMT, EVGI, EVGI, NYDR, ITM, PYL, PYL, PYSOL, TSLK, KLV, KLV, ANX, ANX, KALE, NOKA, NOKA, NOKA, OK038, ELIS, ELIS, CROK, CROK, CROK, CSTR, GCO2, KAN08, KAN12, KAN17, DRZT, KAN01, KAN01, KAN09, KAN13, BLOK, OK029, OK051, FNO, WMOK, OK031, OK052, OK05, X3IA, W3SA, CBKS, AMTX, RTBA, DKNS, HHAR, T25A.

12d 4h

Table with columns: HNR, Honiara, 0.32 9 Pn, Pb, 04 24 24.3 -0.8, etc.

ISN 12 04:24:30.4, 0.4, 32.85N, 45.99E, h8km, 2km, ML2.8

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc.

THE 12 04:32:14.7, 37.64N, 20.61E, h8km, 4km, ML2.6/3, Error ellipse: s-maj=4.1km s-min=0.6km az=79.0

ATH 12 04:32:14.0, 37.62N, 20.55E, h6km, 3km, ML2.5/6, Error ellipse: s-maj=3.4km s-min=1.3km az=31.0

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc.

IDC 12 04:35:10.7, 2.1, 33.03N, 46.16E, h0km, mb3.6/7, mbmp3.6/7, Error ellipse: s-maj=49.6km s-min=24.5km az=164.0

ISN 12 04:35:11.0, 8.0, 3.3209N, 46.06E, h7km, 1km, ML3.5

TEH 12 04:35:11.2, 32.92N, 46.15E, h10km, 4km, ML3.3

ISC 12 04:35:11.6, 0.7, 32.92N, 46.14E, 0.03, h10km, n30, n11, c882/16, Iran-Iraq border region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc.

2018 DEC

Table with columns: BHD, eSn, AML, Sg, 04 36 00.0 -0.5, etc.

Table with columns: KCHF, Cheshme Sefid, 1.54 29 Pp, Pg, 04 35 40.5 -0.7, etc.

Table with columns: BHAD, Ghaleghazi, 1.32 14 Pp, Pg, 04 47 03.3 +0.1, etc.

Table with columns: BHAD, Ghaleghazi, 1.52 284 ePn, Pb, 04 35 39.2 -0.7, etc.

IDC 12 04:41:08.7, 2.6, 21.19S, 168.95E, h0km, mb3.8/3, mbmp3.7/4, ML3.3/1, MS3.2/1, Error ellipse: s-maj=146.5km s-min=26.9km az=156.0

NOU 12 04:41:12.5, 1.7, 21.8S, 169.1E, 0.1, h31km, n11, c053/11, mb3.8/3, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc.

TEH 12 04:45:14.8, 33.08N, 46.23E, h15km, 37km, ML3.1

ISN 12 04:45:15.0, 0.4, 33.08N, 46.17E, h12km, 1km, ML3.1

ISC 12 04:45:15.6, 0.9, 33.08N, 46.20E, 0.03, h10km, n14, n100/17, Iran-Iraq border region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc.

TEH 12 04:46:37.3, 33.07N, 46.24E, h9km, ML2.9

ISN 12 04:46:37.0, 3.3, 33.02N, 46.12E, h11km, 1km, ML2.9

ISC 12 04:46:37.8, 1.3, 33.04N, 46.19E, 0.04, h1km, 14km, n11, c882/16, Iran-Iraq border region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc.

BUI 12 04:59:51.7, 4.1, 51S, 153.05E, h71km, mb5.0/56, mb5.2/13, Ms4.6/3, Ms7.4/3

IDC 12 04:59:51.4, 0.4, 4.61S, 152.93E, h56km, 3km, mb4.3/24, mbmp4.6/27, MS3.7/42, Error ellipse: s-maj=12.5km s-min=8.6km az=100.0

GCMT 12 04:59:53.4, 0.3, 4.63S, 152.91E, 0.03, h49km, 1km, MW4.8/59, Moment Tensor Solution. s38,c44; s59,c77;

822

Duration: 0 Moment tensor: Scale 10^16Nm; Mrr1.66t; 16; Mss-2.14t; 10; Mss-0.47t; 11; Mrr1.15t; 09; Mss-0.98t; 09; Mss-0.08t; 07; Best double couple: Mst2.39500x10^16 Np21.0x88.00000; d61.00000; l11.00000; NP2: phi=23.00000; delta=0.00000; lambda=0.00000. Principal axes: T 2.0640, Plg67.0000, Azm38.0000; N 0.6580, Plg18.0000; Azm258.0000; P -2.7260, Plg14.0000, Azm163.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NEIC 12 04:59:53.4; 1.6, 4.58S; 0.08; 152.87E; 0.08, h64km, 5km, mb4.9/44 Error ellipse: s-maj=13.3km s-min=8.4km az=224.0

DJA 12 04:59:57.3; 1.9, 5.8S; 153.1E; 1.1, h92km, 13km, M5.1/21, mb5.0/3, mb4.8/21, MLV5.3/1, Mw(mb)4.4/3

ISC 12 04:59:52.0, 0.4, 4.59S; 152.95E; 0.05, h58km, 3km, h58km; pp-P.n207, c1935/201, mb4.9/63, MS3.7/41, 1C-3D, New Britain region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc.

CTA Charters Tower, 16.73 202 P, Pn, 05 03 43.7 +0.7

CTAO Charters Tower, 16.73 202 P, Pn, 05 03 43.7 +0.7

CTA Charters Tower, 16.73 202 P, Pn, 05 03 43.7 +0.7

CTAO Charters Tower, 16.73 202 P, Pn, 05 03 43.7 +0.7

GUMO Guam, 19.76 336 LR, Pn, 05 11 29.0

QIS Mount Isa, 20.51 218 P, Pn, 05 04 29.1 +1.0

FAKI Fak Fak, 20.72 274 P, P, 05 04 26.8 -1.1

FAKI Fak Fak, 20.72 274 P, P, 05 04 27.2 -0.6

EIDS Eidsvold, 20.74 185 P, P, 05 04 28.8 +0.9

NOUC Port Laguerre, 21.69 145 P, P, 05 04 39.0 +0.9

DZM Mont Dzumac, 21.75 144 eP, P, 05 04 38.6 -0.2

DZM 419nm, 27.25 eS, S, 05 08 34.5 -2.0

DZM 710nm, 26.48 eS, S, 05 10 07.2

DZM Mont Dzumac, 21.75 144 P, P, 05 04 39.3 +0.4

DZM comp=Z, 55nm, 0.9s, 21.75 144 P, P, 05 04 39.0 +1.0

DZM comp=Z, 59nm, 1.0s, 21.75 144 P, P, 05 04 39.8 +1.0

DZM comp=Z, 59nm, 1.0s, 21.75 144 P, P, 05 04 39.8 +1.0

DZM comp=Z, 59nm, 1.0s, 21.75 144 P, P, 05 04 39.8 +1.0

DZM comp=Z, 59nm, 1.0s, 21.75 144 P, P, 05 04 39.8 +1.0

DZM comp=Z, 59nm, 1.0s, 21.75 144 P, P, 05 04 39.8 +1.0

DZM comp=Z, 59nm, 1.0s, 21.75 144 P, P, 05 04 39.8 +1.0

DZM comp=Z, 59nm, 1.0s, 21.75 144 P, P, 05 04 39.8 +1.0

DZM comp=Z, 59nm, 1.0s, 21.75 144 P, P, 05 04 39.8 +1.0

DZM comp=Z, 59nm, 1.0s, 21.75 144 P, P, 05 04 39.8 +1.0

DZM comp=Z, 59nm, 1.0s, 21.75 144 P, P, 05 04 39.8 +1.0

DZM comp=Z, 59nm, 1.0s, 21.75 144 P, P, 05 04 39.8 +1.0

DZM comp=Z, 59nm, 1.0s, 21.75 144 P, P, 05 04 39.8 +1.0

DZM comp=Z, 59nm, 1.0s, 21.75 144 P, P, 05 04 39.8 +1.0

DZM comp=Z, 59nm, 1.0s, 21.75 144 P, P, 05 04 39.8 +1.0

DZM comp=Z, 59nm, 1.0s, 21.75 144 P, P, 05 04 39.8 +1.0

DZM comp=Z, 59nm, 1.0s, 21.75 144 P, P, 05 04 39.8 +1.0

DZM comp=Z, 59nm, 1.0s, 21.75 144 P, P, 05 04 39.8 +1.0

DZM comp=Z, 59nm, 1.0s, 21.75 144 P, P, 05 04 39.8 +1.0

Table with columns for station ID, name, coordinates, and status. Includes stations like RTZ Ruatuhana, MWZ Matawai, MTHZ Maungataniwha, TWGZ Tauwharepa, BKZ Black Stamp Fm, etc.

Table with columns for station ID, name, coordinates, and status. Includes stations like TIXI Tikisi, IMAR Indian Mountain, MKAR Makanchi Arr, MAKZ Makanchi, ZAAO Zalesovo Array, etc.

Table with columns for station ID, name, coordinates, and status. Includes stations like FETA Feichten, FUORN Ofenpass-Fuorn, TUE Stuetta, LPAZ La Paz, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for TKM2, KRBS, and KRBS.

IDC 12 05:03:24.2, 2.4, 52.47N, 153.99E, h490km, 32km, mb3.1/6, mbTwp:3.9, Error ellipse: s-maj=75.3km s-min=39.1km bz=140.0

ISC 12 05:03:24.1-2.0, 52.55N, 0.3, 154.2E, 2.0, h500km, n8, #042/8, mb3.5/6, Northwest of Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for PETK, SEY, KURBB, MKAR, BVAR, ARCES, FINES, AKASG.

THE 12 05:04:27.5, 37.46N, 201.52E, h0km, 2km, ML2.7/5, Error ellipse: s-maj=3.2km s-min=0.7km az=232.0

ATH 12 05:04:30.4, 37.63N, 201.61E, h13km, 3km, ML2.6/13, Manual Solution by A. Papageorgiou First location: 2018/12/12 05:05:40, This location: 2019/03/04 07:31:59

ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 3 km; Longitude uncertainty: 4 km

ISC 12 05:04:28.9-1.4, 37.59N, 0.04, 20.55E, 0.05, h14km, 7km, n31, #074/57, Ionian Sea

Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for KRI1, LTHK, ORTH, RTZL, CLEM, VLS, VLS, DMLN, VSK1, RLS, RLS, ASAR, RLS, FSK, FSK, FSK, AXS, AMT, AMT, EVGI, EVGI, EVGI, NYDR, ITM, PYL, PYL, PYL, TSKL, TSKL, PVO, PVO, KLV, EFP, GUR, GUR, ANX, ANX, ANX, KALE, KALE, TETR, MAKR.

ISN 12 05:15:26.2, 0.4, 32.97N, 45.99E, h9km, 11km, ML2.5

TEH 12 05:15:27.3, 32.98N, 45.95E, h2km, 26km, ML2.5

ISC 12 05:15:27.4, 1.0, 32.95N, 0.04, 45.93E, 0.05, h10km, n7, #128/11, Iraq

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for IBDR, IBDR, IBA, RAFI, RAFI, BHD, BHD, IGHG, IGHG, IKFM, IKFM, IDHR, IDHR.

IDC 12 05:16:32.8, 2.5, 21.66N, 143.04E, h304km, 23km, mb4.0/25, mbTwp:4.6/26, Error ellipse: s-maj=16.5km s-min=9.3km az=76.0

NEIC 12 05:16:33.4, 1.1, 21.70N, 0.09, 143.0E, 0.1, h309km, 24km, mb4.5/69, Error ellipse: s-maj=19.2km s-min=12.8km bz=91.0

ISC 12 05:16:32.3-1.3, 21.71N, 0.07, 143.07E, 0.10, h301km, 11km, n106, #1910/101, mb4.5/64, 1C-1D, Mariana Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for JCJ, JCJ, JCJ, JCJ, JMN, JMN.

Table with columns: JGF, MJAR, MJAR, MAJO, MAJO, JNU, JNU, JMM, ERM, KRSR, Kuroka, Matsushiro Arr, Matsushiro, Matsushiro, Nakatsue, Nakatsue, Ussuriysk Arr, Ussuriysk Arr, Korea Array, Korea Array.

SSLB Suwanglung, K519 Wonju Array, USAR0 Ussuriysk Arr, USAR0 Ussuriysk Arr.

MDJ Mudanjiang, TIA Taian, BNX BinXian, HNS HongShan, LYN LuoYang, HEH HeiHe, HHC Hu-ho-hao-te, HHC HeiHe, HIA Hailar, LZH Lanzhou, PZH PanZhiHua, PZH PanZhiHua.

ULN Songino Array, SONM Songino Array, GTA Gaotai, CMAR Chiang Mai Arr, CTAO Charters Tower, WB0 Warramunga Arr, WR0 Warramunga Arr, WRB Warramunga Arr, WRA Warramunga Arr.

FITZ Fitzroy Crossi, GOMU GeErilu, ASAR Alice Springs, RPSI Rantau Prapat, BILL Bilibino, STX Tiksi, STKA Stephens Creek, ZAAO Zalesovo Array, ZAAO Zalesovo Array.

ZALV Zalesovo Beam, ZALV Zalesovo Beam, MK31 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array.

MAK2 Makanchi, O18K Koktuh Hills, KURK Kurchatov Arr, KURB Kurchatov Arr, KURB Kurchatov Arr, NRIK Noril'sk, NRIK Noril'sk, NRIK Noril'sk.

KSH Kashi, IMAR Indian Mountain, TOLK Toolik Lake, D24K Happy Valley, C24K Franklin Bluff, BVAR Borovoye Array, BVAR Borovoye Array.

BRVK Borovoye, KARAR Karatay Array, GARM Garm, SIMJ Simiganj, KBL Kabul, KBL Kabul, J29N Klondike Camp, J29N Klondike Camp.

G31M Satah River, ARTI Arti, ARTI Arti, ARTI Arti, ARTI Arti, ARTI Arti.

ABKAR Akbulak array, WRGLY Wrigley, SPITS Spitsbergen Ar, SPITS Spitsbergen Ar.

Table with columns: YKA Yellowknife Arr, ARCES ARCESS Array B, BOBA Blue Mountains, PINE Pine Mountain, JOF Joensuu, JOBA Circle Bar Ran, BMO Blue Mountains, BMO Blue Mountains, KBZ Khabaz, MFID Camas Ranch, FIA1 FINES Array S, FINES FINES Array B, KEF Keuruu, NVAR Minna Bay Area, ELK Eagleton, EGMT Eagleton, GSC Goldstone, FFC Flin Flon, FFC Flin Flon, DUG Dugway Terrace, PFO Pinyon Flats, PFO Pinyon Flats, HWUT Hardware Ranch, PABE Paberze, AKASG Malin Array Be, AKBB Malin Array Si, PDAR PanDeAr, RAYN Ar Rayn, RAYN Ar Rayn, SUW Suwalki, HFS Hagfors, NB2 NORARS Subarra, NOA NORARS Array B, Y14A Wickenburg, BRTR Keskin Arr, GERES GERESS Array B, TXAR Lajitas Array, TORD Torodi Ar, PLCA Paso Flores, LPAZ La Paz.

SDD 12 05:19:05.6, 2.8, 18.44N, 72.40W, h25km, 999km, MD3.8, ML4.2, MW4.4

OSPL 12 05:19:12.3, 2.6, 18.28N, 71.90W, h12km, 11km, ML3.6

SSNC 12 05:19:12.4, 1.4, 18.29N, 71.89W, h14km, 7km, MD3.5, ML3.8

IDC 12 05:19:15.4, 3.8, 18.42N, 71.70W, h51km, 37km, mb3.4/7, mbTwp:3.9, Error ellipse: s-maj=55.0km s-min=27.5km az=62.0

ISC 12 05:19:12.1-0.8, 18.33N, 0.03, 71.92W, 0.02, h24km, 6km, n41, #204/57, mb3.6/7, 4C-3D, Dominican Republic

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for JIMANI, PORT-AU-PRINCE, PAPH PAPH, PAPH PAPH, PAPH PAPH, LODEU El Esparilliar, LONE3 El Aguacate, LONE3 El Aguacate, LOBH Bahia de las A, LOBH Bahia de las A, PODR Polo, PODR Polo, LOBA2 Hotel Casa Bon, SDDR Presa de Saban, SDDR Presa de Saban, LODA1 ITESIL, Dejabo, LODA1 ITESIL, Dejabo, ABDR Alto Bandera, ABDR Alto Bandera, BANI BANI, BANI BANI, SCOP1 Santiago de lo, SCOP1 Punta Rusia, SCOP1 Punta Rusia, SDD Santo Domingo, MASC Masc, MASC Masc, MASC Masc, MASC Masc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Grand Turk, Guaniamo Bay, Moa, Rio Carpintero, Santiago de Cu, etc.

Table for TRN 12 05:32:02.0, 18.07N-62.33W, h2km, MD3.6, North-west of Barbuda, Leeward Islands. Includes stations like Willy Bob, Saint Kitts, Bethesda, etc.

Table for IDC 12 05:35:31.4, 2.8, 53.53N-87.55E, h0km, mbtmp3.2/2, ML2.7/2, Error ellipse: s-maj=24.8km s-min=13.8km. Includes stations like Zalesovo, Kurchatov, etc.

Table for IDC 12 05:39:44.3, 4.2, 47.43Sx165.10E, h0km, mb3.6/2, s-min=62.7km az=42.0. Includes stations like Puysegur Point, The Paps, etc.

Table for IDC 12 06:04:48.4, 3.2, 54.41N-86.98E, h0km, mbtmp2.9/2, ML2.4/2, Error ellipse: s-maj=28.3km s-min=19.6km. Includes stations like Zalesovo, Kurchatov, etc.

Table for IDC 12 06:06:40.6, 1.0, 47.11Sx165.68E, h0km, mb4.3/3, mbtmp4.2/5, ML4.0/2, MS3.3/4, Error ellipse: s-maj=31.7km s-min=28.6km az=178.0. Includes stations like Puysegur Point, Spitsbergen, etc.

Table for TRN 12 05:42:18.2, 18.22N-62.33W, h15km, MD3.7, North-west of Barbuda, Leeward Islands. Includes stations like Willy Bob, Saint Kitts, Bethesda, etc.

Table for TRN 12 05:56:23.5, 38.06N-46.43E, h6km, 50km, ML3.5, NSSP 12 05:56:24.0, 38.08N-46.45E, h10km, Ms3.6. Includes stations like Tabriz, Heris, etc.

Table for SDD 12 06:01:31.7, 1.0, 18.85N-71.77W, h9km, 133km, MD2.4, ML2.1, MW2.5. Includes stations like Jimani, Espartillar, etc.

Table for OSPL 12 06:01:32.9, 1.6, 18.27N-71.91W, h45km, 15km, ML1.6. Includes stations like Jimani, Espartillar, etc.

Table for IDC 12 06:04:48.4, 3.2, 54.41N-86.98E, h0km, mbtmp2.9/2, ML2.4/2, Error ellipse: s-maj=28.3km s-min=19.6km. Includes stations like Zalesovo, Kurchatov, etc.

Table for IDC 12 06:06:40.6, 1.0, 47.11Sx165.68E, h0km, mb4.3/3, mbtmp4.2/5, ML4.0/2, MS3.3/4, Error ellipse: s-maj=31.7km s-min=28.6km az=178.0. Includes stations like Puysegur Point, Spitsbergen, etc.

Table for IDC 12 06:06:42.5, 0.8, 47.19Sx165.7E, 0.1, h10km, 31km, mb4.4/6, Error ellipse: s-maj=20.1km s-min=4.1km az=136.0. Includes stations like Puysegur Point, Spitsbergen, etc.

Table for IDC 12 06:06:43.7, 4.7, 17S-165.96E, h0km, MLV4.6/11, Off W. Includes stations like Puysegur Point, Spitsbergen, etc.

Table for IDC 12 07 07.7. Includes stations like Puysegur Point, Rarakau, The Paps, etc.

Table for IDC 12 06:05:22.1, 5.0, 43.31N-106.46E, 25E, h10km, 2km, ML2.4. Includes stations like Puysegur Point, Rarakau, etc.

Table for IDC 12 06:25:22.0, 1.1, 33.09N-104.06E, 42E, 0.04, h10km, n9, 067/12, Iran-Iraq border region. Includes stations like Badra, etc.

Table for IDC 12 06:25:22.1, 5.0, 43.31N-106.46E, 25E, h10km, 2km, ML2.4. Includes stations like Puysegur Point, Rarakau, etc.

Table for IDC 12 06:25:41.3, 2.3, 25S-146.68E, h0km, mb4.1/3, mbtmp4.1/5, ML1.7/1, MS3.0/19, Error ellipse: s-maj=42.3km s-min=6.2km az=7.0. Includes stations like Puysegur Point, Spitsbergen, etc.

Table for IDC 12 06:25:41.3, 2.3, 25S-146.68E, h0km, mb4.1/3, mbtmp4.1/5, ML1.7/1, MS3.0/19, Error ellipse: s-maj=42.3km s-min=6.2km az=7.0. Includes stations like Puysegur Point, Spitsbergen, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Port Moresby, Honiara, Guam, Charters Tower, Warramunga Arr, Davao City (W), Alice Springs, Fitzroy Crossi, Mont Dzumac, Kappang, Stephens Creek, WAKE ISLAND Hy, Narogin (SRO), Urewera, Asahikawa, Petropavlovsk, Kodiak Island, Eielson Array, Yreka Blue Hor, Torodi Ar, Bea.

IDC 12 06:39:37.9.2.5, 54.16N:86.25E, h0km, mbtmp3.1/2, ML2.9/2, Error ellipse: s-maj=19.8km s-min=12.3km az=56.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV, KURBB Kurchatov Arr, MKAR Makanchi Array, MKAR.

TEH 12 06:42:50.9, 32.94N:46.08E, h10km, mbtmp2.6/ML2.5, ISN 12 06:42:50.3, 0.3, 32.96N:46.06E, h8km, 3km, ML2.6, ISC 12 06:42:51.1, 1.5, 32.93N:0.05, 46.04E, h4km, 15km, n7, r13/34/11, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like IBDR Badra, ILBA Ilam Banvizeh, GLGI Gilan-e-Gharb, RAFI Al-Rafai, BHD Baghdad, IGHG Ghaleghazi, IKFM Kafar-mosalman.

NEIC 12 06:57:07.1, 1.6, 13.47N:0.09, 119.75E:0.10, h10km, 1km, mb4.7/2.0, Error ellipse: s-maj=18.6km s-min=12.2km az=128.0

IDC 12 06:57:20.2.2.5, 14.51N:119.06E, h55km, 23km, mb4.0/2.1, mbtmp4.3/22, ML4.4/1, MS3.2/10, Error ellipse: s-maj=21.2km s-min=11.9km az=56.0

ISC 12 06:57:17.8, 0.6, 14.44N:0.10, 118.94E:0.09, h35km, n44, r105/37, mb4.3/26, MS3.1/8, Philippine Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like TGY Tagaytay City, CMAR Chiang Mai Arr, JNU Nakatsue, PSI Prapat, KRSR Korea Array, GUMO Guam, BRDH Bariadhala, SONM Songoing Array, WRA Warramunga Arr, ASAR Alice Springs, ASAR.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MK31 Makanchi Array, MKAR Makanchi Array, MKAR, HNR Honiara, ZALV Zalesovo Beam, KURBB Kurchatov Arr, KURK Kurchatov, PETK Petropavlovsk, STKA Stephens Creek, BVAR Borovoye Array, BRVK Borovoye, NRK Noril'sk, ABKAR Akbulak array, AKTO Aktyubinsk, ARTI Arti, GNI Garni, G19K Purcell Mounta, E24K Your Creek, ARCES ARCESS Array, D2SK Kavir River, SPITS Spitsbergen Ar, AKASO Malin Array, FINES FINESS Array, ILAR Eielson Array, KMBO Klitka Mbogo, HFS Hagfors, NB2 NORSAR Subarra, NOA NORSAR Array B, YKA Yellowknife Ar, TXAR Lajitas Array.

IDC 12 06:58:48.0, 1.0, 40.92S:43.71E, h0km, mb3.8/5, mbtmp3.8/5, MS3.1/7, Error ellipse: s-maj=40.0, 1km s-min=28.2km az=55.0

ISC 12 06:58:49.4, 1.1, 40.93S:0.2, 43.7E:0.3, h9km, n17, r055/7, mb3.8/5, MS3.0/6, Southwest Indian Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BOSA Boshof, SUR Sutherland, LBTB Lobatse, MAW Mawson, TSUM Tsumeb, SNAA Sanae, MBAR Mbarara, QSPA South Pole Qui, H01W2 Cape Leeuwin H, H01W1 Cape Leeuwin H, TORD Torodi Arr, ASAR Alice Springs, WRA Warramunga Arr, CMAR Chiang Mai Arr, ULM Lac du Bonnet, TXAR Malin Array.

IDC 12 07:07:21.1, 2.4, 53.92N:86.48E, h0km, mbtmp2.9/2, ML2.7/2, Error ellipse: s-maj=20.3km s-min=11.9km az=67.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like H46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV, KURBB Kurchatov Arr, MKAR Makanchi Array, MKAR, TRN Trinidad (W), BCCH Barbados, Cave, BBGH Gun Hill, SVOC Richmond Hill, SVOC, SVT Saint Vincent, SVB Belmont, GCMP Grenada, Carri.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like GCMP Saint Lucia, A, SLAC, SLAC, GRSS Sisters, GRSS, SLBI Saint Lucia, B, GRHS Sauteres, GRHS, GRW Mount Saint Ca, GRW, GRGR Grenville, GRGR, TOSP Speyside, TOSP, GRRF Grenada Fort F, GRRF, BIM Bigot, BIM, BIM, Ilet Lapin Mar, ILAM, ILAM, TRN Trinidad (W), MBFL Mucurapo Girls, MDN Monte-Daniel, MDN, MDN, DWS Salisbury, DWS Wesley, TBG Guadaloupe-3, TBG, TBG, MBWH Flemmings, Mon, MBFL, MBFL, BETHESDA, Anti, ANBD, ANWB Willy Bob, ANWB, SKI Saint Kitts, SKI, BAUV EI Baul, BAUV EI Baul.

SDD 12 07:09:25.0, 1.7, 19.67N:69.89W, h19km, 8km, MD2.3, ML2.4, MW2.7, OSPL 12 07:09:25.5, 2.2, 19.91N:69.88W, h8km, 22km, ML2.4, ISC 12 07:09:25.8, 1.0, 19.58N:0.05, 69.89W:0.04, h11km, 7km, n14, r13/32/2, SC, Dominican Republic region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like CADR Cabrera, CADR, CADR, LONAI Toro Cenizo, LONAI, LONAI, NAGUA Nagua, NADR, NADR, DR08 Loma La Naviza, DR08, SC01 Santiago de lo, SC01, HATOM Hatoy Mayor del, HATOM, HATOM, MIDR Miches, MIDR, MIDR, ABDR Alto Banderas, ABDR, ABDR, BANI BANI, LONE3 EI Aguacate, B, LONE3, LONE3, PCDR Punta Cana, DR, PCDR, PCDR, LODU1 EI Espartillar, LODU1.

IDC 12 07:17:30.2, 2.0, 49.67N:82.00E, h0km, mbtmp2.7/2, ML2.2/2, Error ellipse: s-maj=44.8km s-min=12.1km az=98.0

MNC 12 07:17:33.7, 1.6, 49.42N:81.09E, h0km, mb3.6, mpv3.3, Error ellipse: s-maj=27.6km s-min=9.0km az=59.0, Suspected Mining explosion, ISC 12 07:17:32.7, 1.1, 49.42N:0.07, 81.06E:0.09, h0km, n14, r181/16, 6C-2D, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SEM Semipalatinsk, SEM, KURBB Kurchatov Arr, KURBB, KURK Kurchatov, KURK, MAKZ Makanchi, MAKZ, MK31 Makanchi Array, MK31, MKAR Makanchi Array, MKAR, MKAR, ZSN Zaisan, ZSN, KAPS Kapalarasan, KAPS, ZALV Zalesovo Beam, ZALV, ZALV, H46RU ZALESOVO INFRA, DJR Jarkent, DJR, BRZS Berzinsk, BRZS.

Table with columns for station name, coordinates, and observation details for 12d 8h.

IDC 12 08:28:48.1±3.6,63.64N:90.97E, h0km, mbtmp2.9/3, ML2.4/3, Error ellipse: s-maj=28.9km s-min=23.8km az=49.0, Southeastern Siberia

Table with columns for Code, Station Name, Az, Phase ID, Time, Res, and ISC for 12d 8h.

IDC 12 08:37:00.1±4.0,53.80N:88.17E, h0km, mbtmp2.5/2, ML2.3/2, Error ellipse: s-maj=37.3km s-min=20.4km az=47.0, Southeastern Siberia

Table with columns for Code, Station Name, Az, Phase ID, Time, Res, and ISC for 12d 8h.

IDC 12 08:45:54.1±0.9,44.23S:15.92W, h0km, mb4.1/6, mbtmp4.1/6, MS4.1/17, Error ellipse: s-maj=32.5km s-min=25.0km az=130.0

Table with columns for Code, Station Name, Az, Phase ID, Time, Res, and ISC for 12d 8h.

IDC 12 08:45:57.0±0.8,44.11S:0.1±16.3W:0.2, h16km, n44, c0577/24, mb4.4/11, MS4.1/17, Southern Mid-Atlantic Ridge

Table with columns for Code, Station Name, Az, Phase ID, Time, Res, and ISC for 12d 8h.

Table with columns for Code, Station Name, Az, Phase ID, Time, Res, and ISC for 2018 DEC.

MOS 12 08:49:53.1±1.0,36.52N:140.67E, h46km, mb4.8/23, Error ellipse: s-maj=9.7km s-min=7.6km az=100.2

BUI 12 08:49:54.6,36.42N:140.51E, h64km, mb4.6/46, mb4.9/13, MS4.4/2, M57 4/0/3

NIED 12 08:49:56.2,36.45N:140.58E, h56km, MW4.3, Moment Tensor Solution, s3 Moment tensor: Scale 10^19 Nm; Mm:0.2; Mw:0.15; Mw:2.12; Mw:0.91; Mw:0.25; Mw:2.07;

IDC 12 08:49:56.1±2.2,36.47N:140.52E, h57km, 19km, mb4.2/32, mbtmp4.5/34, ML4.0/2, MS3.2/12, Error ellipse: s-maj=14.8km s-min=11.8km az=106.0

NEIC 12 08:49:56.6±1.4,36.54N:105.140:62E:0.08, h57km, 8km, mb4.7/45, Error ellipse: s-maj=9.0km s-min=7.6km az=94.0

JMA 12 08:49:56.2±1.0,36.5N:02:140:6E:0.5, h56km, MD4.3/39, MV4.7/39, NORTHERN IBARAKI PREF

JMA Feil III j1 at NORTHERN IBARAKI PREF, ISC 12 08:49:55.0±0.5,36.50N:004:140:63E:0.05, h56km, 4km, h56km, P=12.36, P=163/207, mb4.7/55, MS3.2/10, 13C-13D, Near east coast of eastern Honshu

Table with columns for Code, Station Name, Az, Phase ID, Time, Res, and ISC for 2018 DEC.

Table with columns for Code, Station Name, Az, Phase ID, Time, Res, and ISC for 2018 DEC.

Table with columns: PZH, comp-Z, f, B, pmax, pmax, 08 56 40.0 0.0. Rows include BILL, TIKI, GOMU, WMQ, CMAR, ZAAO, ZALV, NRIK, MK31, MKAR, KURK, KURBB, PMG, E19K, B20K, WUS, B22K, TARG, D22K, E22K, D24K, KSH, AAK, COEN, IL31, BVAR, BCAR, EGAK, GSI, KNRA, SIMJ, WB0, WR0, ARTI, WRA, ABKAR, AS31, ASAR, KIRV, SPITS, ARCES, YKA, YKA, DAG, STKA, OBN, AKT.

Table with columns: AKT, comp-Z, f, B, pmax, pmax, 09 00 54.8 -0.1. Rows include FINES, KBZ, KIV, HFS, AK03, AK04, AK05, AK06, AK07, AK08, AK09, AK10, AK11, AK12, AK13, AK14, AK15, AK16, AK17, AK18, AK19, AK20, AK21, AK22, AK23, AK24, AK25, AK26, AK27, AK28, AK29, AK30, AK31, AK32, AK33, AK34, AK35, AK36, AK37, AK38, AK39, AK40, AK41, AK42, AK43, AK44, AK45, AK46, AK47, AK48, AK49, AK50, AK51, AK52, AK53, AK54, AK55, AK56, AK57, AK58, AK59, AK60, AK61, AK62, AK63, AK64, AK65, AK66, AK67, AK68, AK69, AK70, AK71, AK72, AK73, AK74, AK75, AK76, AK77, AK78, AK79, AK80, AK81, AK82, AK83, AK84, AK85, AK86, AK87, AK88, AK89, AK90, AK91, AK92, AK93, AK94, AK95, AK96, AK97, AK98, AK99, AK100.

Table with columns: MDP, SNG, SDV, SOCV, CAPV, ROOSC, JTS, ATAH, LPAZ, TXAR, PDAR, ESDC, TORD, YKA, ILAR, CMAR, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include SNG, SDV, SOCV, CAPV, ROOSC, JTS, ATAH, LPAZ, TXAR, PDAR, ESDC, TORD, YKA, ILAR, CMAR, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC.

IDC 1209:14:23.0.5,55:77S:29:83W,h0km,mb4.8/12, mbmp4.8/14,ML4.1/2,MS4.4/31,Error ellipse: s-maj=19.0km s-min=14.0km az=54.0 NEIC 1209:14:25.4.1.7,55:8S:0.1:1.30:1W:0.2,h13km,dkm, mb5.2/45,Ms_20 4.6/75,Mwv5.3/17,Error ellipse: s-maj=19.4km s-min=13.5km az=215.0 NEIC 1209:14:26.1,55:52S:29:73W,h16km,Moment Tensor Solution. Duration: 2x3 Moment tensor: Scale 10^17Nm; Mn=0.67; Mw=0.40; Mx=0.27; My=0.85; Mz=0.43; Mr=0.14; Fault plane solution: M1:12000x1017 NP1:8.725:57000; 871.26000; lambda=72.47000; NP2:208.06000; 825.44000; lambda=131.60000; Principal axes: T:1.1025, P:24.0000; Azm149.0000; N:0.0413, P:17.0000; Azm247.0000; P:-1.1438, P:16.0000; Azm8.0000; NEIC 1209:14:26.1,55:82S:30:08W,h16km GCMT 1209:14:27.4.0.1,55:91S:0.01:29:85W:0.02,h12km, MW5.2/126,Moment Tensor Solution. s67,c94; s126,c200; Duration: 0 Moment tensor: Scale 10^16Nm; Mn=4.90e-14; Mw=6.64e-13; Mx=2.26e-12; My=1.94e-38; Mz=5.61e-10; Mr=0.82e-35; Best double couple: Mo=89700x1016 NP1:242.00000; 856.00000; lambda=69.00000; NP2:26.00000; 840.00000; lambda=19.00000; Principal axes: T:8.6550, P:6.0000; Azm317.0000; N:-2.9160, P:18.0000; Azm49.0000; P:-5.4390, P:17.0000; Azm202.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 1209:14:24.9.0.3,55:79S:0.06:29:92W:0.07,h10km,n212, a125/15.1,mb5.1/31,MS4.6/67,8C-5D,South Sandwich Islands region

Table with columns: Code, Station Name, Az, AzP, Phase ID, Time Res, Res ISC. Lists various seismic stations like HOPE, VNA1, VNA3, etc.

Main table of seismic events with columns: Code, Location, Az, AzP, Phase ID, Time Res, Res ISC. Lists events like ITRB, PMNB, AC05, LCO, LCO, LCO, etc.

Table of seismic events with columns: Code, Location, Az, AzP, Phase ID, Time Res, Res ISC. Lists events like ROSC, ROSC, BAUV, SDV, SDV, SDV, etc.

NEIC 12 09:14:43.5, 35°62N, 84°74W, h12km
NEIC 12 09:14:44.5, 35°59N, 84°71W, h4km
ISC 12 09:14:42.7, 1.0, 35.63N, 0.02-84.74W, 0.07, 6km, 6km,
#427, #146/384, mb4.5/35, MS3.9/23, Tennessee

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists stations like Bacon Ridge, Cooper Cave, Doyner, Etowah, Cow Camps Rge, Signal Mountai, Tuckaleechee C, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists stations like Cox's Mills, Windy Hill, Farmland, Farmland, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists stations like SADO, Blackwell, Prince Edward, Franklin, etc.

Table with columns: QLMT, FFC, FFC, BOZ, BOZ, BOZ, SCHO, SCHO, HSIG, HSIG, SJG, HLID, HLID, ELK, ELK, ELK, MISO, MISO, R11B, R11B, LPIG, LPIG, LPIG, MFID, MFID, PFO, PFO, PFO, NVAR, NVAR, NVAR, ELS, ELS, NEW, NEW, YBH, YBH, BAUV, BAUV, ROSC, ROSC, YKA, YKA, YKA, BBB, BBB, WRGLY, WRGLY, U35K, U35K, SFJD, SFJD, DLBC, DLBC, N30M, N30M, MAYO, MAYO, M30M, M30M, A36M, A36M, J03H, J03H, G31M, G31M, F31M, F31M, I30M, I30M, PNL, PNL, K29M, K29M, INK, INK, INK, M29M, M29M, L29M, L29M, YUK8, YUK8, EPYK, EPYK, J29N, J29N, G30M, G30M, F30M, F30M, YUK3, YUK3, DAWY, DAWY, H29N, H29N, G29M, G29M, BVCV, BVCV, I28M, I28M, E29M, E29M, L27K, L27K, EGAK, EGAK, EGAK, MCARA, MCARA, K27K, K27K, F28M, F28M, I27K, I27K, D28M, D28M, E28M, E28M, H27K, H27K, G27K, G27K, I26K, I26K, J26L, J26L, N25K, N25K, E27K, E27K, SCRK, SCRK, D27M, D27M, HARP, HARP, J25K, J25K, K24K, K24K

Table with columns: F26K, PRP, C27K, F25K, HDA, IL31, IL31, ILAR, ILAR, M23K, C26K, SML, KNK, G24K, WAT1, BORG, D25K, NEA2, E24K, TRF, D24K, C24K, G23K, E23K, TOLK, COLD, BPWA, SKT, D23K, G22K, C23K, CAST, PPLA, CHUM, E22K, KDAD, M20K, D22K, G21K, F21K, L20K, K20K, J20K, B22K, B21K, C21K, M18K, TTA, H19K, D20K, Q17K, J18K, L18K, G19K, E19K, B20K, F19K, Q16K, D19K, G18K, L17K, L16K, E18K, JMIC, C18K, CHGN, B18K, E17K, C17K, L14K, C16K, EKA, SPITS, SPITS, BDFB, ESDC, ARCS, HFS, FINES, NRIK, AKASO

Table with columns: PLCA, MLR, DBIC, TORD, BVAR, ZALV, MMAL, KURBB, ASF, EIL, HHC, HHC, WRA, ASAR, FITZ

IDC 12 09:15.81.3.3, 53°46N-87°26E, h0km, mbtmp2.6/2, ML1.8/2, Error ellipse: s-maj=31.8km s-min=17.6km az=65.0, Southwestern Siberia

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

IDC 12 09:19:14.8+3.5, 53°62N-87°92E, h0km, mbtmp2.7/2, ML2.5/2, Error ellipse: s-maj=34.4km s-min=19.4km az=52.0, Southwestern Siberia

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

DNK 12 09:28:28.5+0.7, 59°78N-22°38E, h0km, ML2.4(UPP), Suspected explosion

UPP 12 09:28:29.2+1.3, 59°74N-22°25E, h0km, ML2.4 EST 12 09:28:29.8, 59°67N-22°25E, h0km, ML2.2(HEL), Explosion

HEL 12 09:28:30.0, 59°68N-22°27E, h0km, ML2.2, Explosion LVSN 12 09:28:30.7+1.3, 59°66N-22°28E, h0km, ML2.5 ISC 12 09:28:28.4+0.7, 59°68N-22°28E, h0km, n50, e097176, Baltic States-Belarus-Northwestern Russia

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like SLIT, Kankaanpaa, Forsmark, Toomaa soojaam, Flymyra, Uppala, Brunnna, FIBU, FIAO, BACU, KEF, Kangasniemi, Ylistaro, Sumainen, HEMU, JOF.

TRN 12:09:38:23.8, 18:07N:64:12W, h64km, MD3.5, South-east of the British Virgin Islands, Virgin Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like SKI, ANWB, ANWB, ANBD, AOPR, JOF.

IDC 12:09:44:43.0, 2.8, 54:09N:86:48E, h0km, mbmp3.1/2, ML3.0/2, Error ellipse: s-maj=21.9km s-min=14.1km az=57.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like I46RU, ZALV, KURBB, MKAR.

IDC 12:09:54:18.7, 3.2, 54:24N:87:33E, h0km, mbmp3.0/2, ML2.7/2, Error ellipse: s-maj=28.6km s-min=19.2km az=48.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like I46RU, ZALV, KURBB, MKAR.

IDC 12:10:00:47.4, 1.7, 54:66N:83:78E, h0km, mbmp2.9/3, ML2.2/3, Error ellipse: s-maj=16.0km s-min=10.3km az=15.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like I46RU, ZALV, KURBB, MKAR, BVAR.

NEIC 12:10:04:02.3, 1.3, 61:40N:0:03:150:02W, 0.04, h41km, 4km, Error ellipse: s-maj=3.7km s-min=2.9km az=159.0 AEIC 12:10:04:02.8, 1.0, 61:36N:0:02:150:04W, 0.05, h37km, 5km, ML3.2, ML3.4/128(NEIC), Error ellipse: s-maj=3.5km s-min=3.3km az=178.0, Southern Alaska

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like RC01, SUA, M22K.

Main table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like M22K, PMR, GHO, KNK, SKLKM, SML, SPU, SFC, SCM, RDJ, GLI, BRLE, BRSE, FID, PPLA, HIN, KLU, IVE, M24K, ILS, DIV, TRF, DHY, RND, KTH.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like CAST, P19K, O19K, M19K, MCK, N25K, PAX, SVW2, BPW, N18K, O18K, O18K, P18K, WRH, N17K, COLA, ILAR, J18K, KDAK, I23K, O17K, P17K, J25K, POKR, POKR, BCAR, OHAK, L16K, L16K, P16K, IMAR, PLK4, PLK4, I26K, I26K, H19K, H19K, EGAK, G21K, G24K, I17K, I17K, O29M, G19K, F21K, F20K, F19K, BMAR, F25K, G27K, O30N, E22K, F26K, E19K, TOLK, E27K, F20K, N32M, C23K, D27M, B22K, B20K.

NOU 12:10:06:10.7, 14:50S:167:06E, h94km, mb3.9/8, Vanuatu Islands, Vanuatu Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like VLAKA, VLAKA, DVP, YATNC, DZM.

NEIC 12:10:13:14.7, 1.3, 61:41N:0:03:150:06W, 0.05, h41km, 6km, Error ellipse: s-maj=4.6km s-min=3.3km az=154.0 AEIC 12:10:13:13.9, 1.4, 61:37N:0:04:150:08W, 0.05, h20km, 8km, ML2.2, ML2.3/4(NEIC), Error ellipse: s-maj=5.3km s-min=3.5km az=163.0, Southern Alaska

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like M22K, M22K, PMR, PMR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Tachien, Dajia District, Liyutan, Fushou, Chiawan, Sanyi, Xiulin Townshi, Lan-yu, Ninganchiao, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Musina, Limpop, Pietermaritzburg, Makgorigo, Boshof, Kokstad, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Sanae, VNA3, VNA2, Sonm, NVAR, ILAR, DPC, etc.

IDD 12 11:54:07.14.2.53.45N.63.24E, h0km, mbmp2.8/3, ML2.3/3, Error ellipse: s-maj=62.1km s-min=33.4km az=174.0

IDD 12 12:32:16.3.0.22.10S.169.94E, h0km, mb4.2/14, mbmp4.2/15, ML3.7/1, MS3.7/10, Error ellipse: s-maj=22.8km s-min=19.4km az=132.0

IDD 12 12:41:05.0.3.0.24.0S.0.3.178.84W.0.0.5, h520km, 19km, mb4.0/18, Error ellipse: s-maj=43.3km s-min=5.9km az=183.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AKTO, IB31KZ, AB31, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MARNC, YATNC, OUCEN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NEIC, CTA, MTSU, etc.

BUL 12 11:55:23.0.2.0.7.26.63S.29.79E, h10km, MD3.3, PRE 12 11:55:23.0.2.0.7.26.63S.29.79E, h0km, ML2.8, Explosion

CTA Charters Tower 22.00 271 P Iamb Iamb 12 37 09.8 +0.4

CTA Charters Tower 22.00 271 P Iamb Iamb 12 37 09.8 +0.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CRLN, HRAO, PILG, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BBOO, AS31, ASAR, etc.

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

IDD 12 12:42:02.0.2.4.23.75S.179.57W, h525km, 38km, mb3.4/5, mbmp4.3/7, Error ellipse: s-maj=52.7km s-min=26.6km az=17.0

12d 13h

Table with columns: STKA, ASAR, WRA, QSPA, Code, Station Name, Az, Phase, ID, Time, Res. Includes entries for Stephens Creek, Alice Springs, Warrungarra Arr, South Pole Qui.

AEIC 12 12:44:16.0, 0.9, 53.09N, 0.07, 166.82W, 0.10, h25km, 8km, Error ellipse: s-maj=11.8km s-min=6.2km az=146.0

NEIC 12 12:44:16.2, 4.5, 18.0N, 0.04, 166.76W, 0.1, h10km, 2km, mb4.0/33, ML2.4.0(AEIC), Error ellipse: s-maj=10.6km s-min=7.3km az=268.0

IDC 12 12:44:17.5, 4.6, 53.36N, 166.99W, h42km, 42km, mb3.5/15, mbmp3.7/17, ML3.2/2, MS3.4/9, Error ellipse: s-maj=33.7km s-min=15.3km az=4.0

ISC 12 12:44:16.2, 1.6, 53.09N, 0.07, 166.76W, 0.05, h32km, 10km, n125, e198/117, mb3.7/17, MS3.5/7, Fox Islands

Main table for 12d 13h section, listing station names, coordinates, phases, and times. Includes stations like MGOD, MAPS, OKFG, UNV, MSW, MTBL, OKNC, OKCE, AKMO, AKZO, AKRB, LVA, AKAG, AKSA, NIKH, CLCO, WEBT, ISLZ, ISNN, FALS, SPJA, ATKA, GSTR, CHGN, ADK, ADK, KIWB, CHIR, PEUK, ACHA, OHAK, OHAK, N17K, O19K, KDAK, KDAK, KDAK, KDAK, KDAK, STLK, J18K, PMR, H19K, G19K, M24K, IMAR, F19K, N25K, ILAR, ILAR, F21K, G23K, BCAR, G24K, E22K, I26K, F24K, E23K, D22K, E24K, EGAK, B21K, TOLK, D23K, F25K, BMAR, N30M, L29M, F26K, O30N, B22K, C23K, C24K, D25K, C27K, BILL, N32M, F27K, O32M.

2015 DEC

Main table for 2015 DEC section, listing station names, coordinates, phases, and times. Includes stations like D27M, G31M, DLBC, PEAOB, PETK, INK, SEY, MA2, C36M, A36M, YKA, YKA, YKA, YKAB2, TIXI, YAK, NVAR, PDAR, H11N2, H11N3, H11N1, H11S1, H11S2, H11S3, NRK, TXAR, SONM, HHC, HHC, HHC, KURBB, MKAR, CMAR, BRTR, WRA, ASAR, H03N2, H03N1, H03N3, AML, KK31, AAK, ULHL, USP, TKM2, TKM2, TKM2, AB31, AKTO, DJA, NEIC, IDC, ISC, AAI, MSAI, NLAJ, NLAN, SANI, LBMI, TNTI, SWI, SWI, FAKI, FAKI, LUWI, KMPI, BBSI, APSI, SOEI, MMRI, TOLR2, TOLR1, KAPI.

836

Table for 836 section, listing station names, coordinates, phases, and times. Includes stations like MTN, KNRA, KKM, FITZ, FITZ, WBO, WBO, WRA, WRA, WRA, COEN, COEN, MBWA, PSA00, PSA00, AS31, AS31, ASAR, ASAR, ASAR, MKAR, KURBB, BVAR, SOCE.

DNK 12 13:02:35.0, 0.4, 55.07N, 14.71E, h0km, Suspected explosion, Sweden

Table for DNK section, listing station names, coordinates, phases, and times. Includes stations like BSD, BSD, BSD.

NEIC 12 13:05:21.9, 1.9, 61.46N, 0.02, 150.05W, 0.08, h40km, 9km, Error ellipse: s-maj=5.5km s-min=2.0km az=104.0

AEIC 12 13:05:21.9, 1.7, 61.33N, 0.03, 150.04W, 0.04, h35km, 8km, ML2.4, ML2.7/56(NEIC), Error ellipse: s-maj=4.1km s-min=2.1km az=155.0, Southern Alaska

Main table for 836 section, listing station names, coordinates, phases, and times. Includes stations like M22K, M22K, PMR, STLK, STLK, M20K, M24K, M24K, ILSW, ILSW, ILSW, N19K, P19K, O19K, O19K, O19K, L19K, N25K, N25K, SVW2, SVW2, N18K, N18K, N18K, O18K, O18K, P18K, P18K, TTA, TTA, TTA, L18K, L18K, L18K, M17K, N17K, N17K, IL31, J18K, J18K, I23K, I23K, IMAR, I26K, G21K.

VAO 12 13:13:31.7, 2.0, 17.97S, 70.35W, h152km, 9km, mb4.2

NEIC 12 13:13:34.0, 1.5, 18.03S, 0.07, 70.0W, 0.2, h130km, 8km, mb4.3/5, Error ellipse: s-maj=23.8km s-min=5.1km az=110.0

GUC 12 13:36:36.5, 1.6, 18.14S, 70.20W, h127km, 3km, ML 4.0

IDC 12 13:38:38.5, 1.7, 96S, 69.48W, h152km, 41km, mb3.7/5, mbmp4.1/6, Error ellipse: s-maj=80.9km s-min=26.1km az=22.0

ISC 12 13:32:9.0, 8.18, 04S, 0.05, 70.05W, 0.08, h137km, 7km, n66, e137/68, mb3.9/5, 1C-3D, Near coast of northern Chile

Table for ISC section, listing station names, coordinates, phases, and times. Includes stations like AP01, AP01, AP01.

Table with columns for station name, frequency, power, and other technical details. Includes stations like AQDB Aquidauana, LDASE Londrina, STKA Stephens Creek, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like PECS, JCT Junction City, DUNG Lamy B Ranch, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like M26K Nabesna, YKA Yellowknife Ar, M20K Styx River, etc.

NJ2	comp=N,1µm,17.7s	LR	LR		
NJ2	comp=E,750nm,17.2s	LR	LR		
PMOZ	comp=Z,1µm,17.6s	LR	LR		
PMOZ	Porto Moniz, M	128.25	86	eLQ	LQ 14 07 42.1
PMOZ				eLR	A 14 15 12.4
PMOZ				A	14 22 58.7
SLVN	comp=Z,3µm,20.0s	IAMS_20	IAMS_20	14 38 39.0	
SLVN	Son La	128.31	251	eLQ	A 14 38 39.0
CMAR	Chiang Mai Arr	128.54	244	eLQ	A 13 32 56.3 -5.8
DL2	comp=Z,0.4nm,0.5s,baz=124,slo=3.1,SNR=1.4	PKP	PKP	PKP	PKP
DL2	Dalian	131.59	281	eLQ	A 13 33 08.8 +0.6
DL2				PP	PP 13 35 32.6 +5.2
DL2				PP	PP 13 35 32.6 +5.2
DL2	comp=Z,440nm,8.0s	LR	LR		
DL2	comp=Z,1µm,18.5s	LR	LR		
DL2	comp=Z,810nm,16.1s	LR	LR		
DL2	comp=Z,2µm,21.4s	LR	LR		
BILL	Bilibino	132.16	333	ePKIP	PKP 13 33 07.2 -0.2
CN2	Changchun	132.82	288	ePKP	PKP 13 33 12.4 +1.8
CN2				SS	SS 13 33 24.6 +8.0
CN2	comp=Z,200nm,6.0s	LR	LR		
CN2	comp=Z,400nm,15.0s	LR	LR		
CN2	comp=Z,400nm,15.0s	LR	LR		
CN2	comp=Z,500nm,17.0s	LR	LR		
SEY	Seymchan	132.91	322	ePKIP	PKP 13 33 07.2 -1.8
PZH	PanZhiHua	133.63	253	ePKP	PKP 13 33 18.0 +5.1
TNCH	TengChong	134.18	248	ePKP	PKP 13 33 11.2 -1.6
TNCH				PKP	PKP 13 35 45.8 +1.7
TNCH				PKS	PKS 13 36 46.3 -3.2
TNCH				SS	SS 13 42 35.2
TNCH				SS	SS 13 53 31.4 -1.8
TNCH	comp=Z,220nm,5.4s	LR	LR		
TNCH	comp=Z,750nm,16.5s	LR	LR		
TNCH	comp=Z,530nm,16.9s	LR	LR		
TNCH	comp=Z,1µm,19.0s	LR	LR		
HNS	HongShan	134.45	274	ePKP	PKP 13 33 18.6 +4.5
HNS				SS	SS 13 53 42.2 +5.9
HNS				SS	SS 13 53 42.2 +5.9
HNS	comp=Z,740nm,20.6s	LR	LR		
HNS	comp=Z,1µm,23.1s	LR	LR		
HNS				LR	LR
XAN	Xi'an	135.34	266	ePKP	PKP 13 33 12.9 -1.7
XAN				PP	PP 13 35 56.9 +5.5
XAN				SS	SS 13 53 52.2 +5.0
XAN				SS	SS 13 53 52.2 +5.0
XAN	comp=Z,460nm,8.9s	LR	LR		
XAN	comp=Z,1µm,19.8s	LR	LR		
XAN	comp=Z,1µm,21.3s	LR	LR		
MDT	Midelt	135.40	97	ePKP	PKP 13 33 13.9 -0.9
BJI	Beijing	135.43	278	ePKP	PKP 13 33 25.2 +9.2
HEH	Heihe	135.90	296	ePKP	PKP 13 33 17.7 +1.1
HEH				SS	SS 13 54 02.1 +8.6
HEH				SS	SS 13 54 02.1 +8.6
HEH	comp=Z,1µm,20.7s	LR	LR		
HEH	comp=Z,1µm,18.6s	LR	LR		
HEH				LR	LR
CD2	Chengdu	135.93	258	ePKP	PKP 13 33 17.6 +0.2
CD2				PP	PP 13 33 57.8 +2.7
CD2				SS	SS 13 53 53.2 -1.0
CD2				SS	SS 13 53 53.2 -1.0
CD2	comp=Z,2µm,8.2s	LR	LR		
CD2	comp=Z,1µm,31.4s	LR	LR		
CD2	comp=Z,1µm,35.3s	LR	LR		
HYB	Hyderabad	136.72	220	ePKP	PKP 13 33 17.0 -0.6
HYB				ePKIP	PKP 13 33 27.9 +0.3
PCVE	Castro Verde	136.91	89	eLQ	LQ 13 33 27.9 +0.3
PVAQ	Vaqueiros	136.93	89	eSS	SS 13 54 22.0 +1.6
PVAQ	Vaqueiros	136.93	89	eLQ	LQ 14 10 05.4
PVAQ				eLR	A 14 14 54.1
PVAQ				A	14 27 33.0
PESTR	Estremoz	138.02	88	eLQ	LQ 13 33 29.8
ZEA	Zeya	138.02	301	eP	P 13 30 31.6 +3.1
PCAS	Casmilo, Conde	138.30	86	eLQ	LQ 13 33 30.6
PMRV	Marv??o	138.51	87	eLQ	LQ 14 11 53.0
PMRV				eLR	A 14 14 48.9
PMRV				A	14 28 43.4
HHC	Hu-ho-hao-ie	138.59	275	ePKP	PKP 13 33 21.1 +0.7
HHC				PP	PP 13 36 20.6 +8.8
HHC				SS	SS 13 54 27.4 +1.4
HHC				SS	SS 13 54 27.4 +1.4
HHC	comp=Z,250nm,16.0s	LR	LR		
HHC	comp=Z,270nm,16.0s	LR	LR		
HHC				LR	LR
HHC	comp=Z,420nm,17.6s	LR	LR		
PCBR	Castelo Branco	138.74	87	eLQ	LQ 13 33 30.7
MTE	Manteigas	139.08	86	eSS	SS 13 54 52.8 +2.1
MTE	Manteigas	139.08	86	eLQ	LQ 14 13 36.5
MTE				eLR	A 14 16 52.0
MTE				A	14 28 37.7
BTO	Baotou	139.30	274	ePKP	PKP 13 33 19.4 -2.3
BTO				sPKP	PKP 13 33 30.3
BTO				LR	LR
BTO	comp=Z,750nm,18.8s	LR	LR		
BTO	comp=Z,430nm,12.7s	LR	LR		
BTO	comp=Z,920nm,16.0s	LR	LR		
PGAV	Gavierra, Arco	139.70	84	eSS	SS 13 54 55.7 +1.7
PGAV	Gavierra, Arco	139.70	84	eLQ	LQ 14 13 49.5
PGAV				eLR	A 14 20 49.9
PGAV				A	14 31 55.8
LZH	Lanzhou	139.70	264	ePKP	PKP 13 33 21.8 -0.9
LZH				sPKP	PKP 13 33 31.1
LZH				PP	PP 13 36 23.5 +4.8
LZH				PP	PP 13 36 23.5 +4.8
LZH	comp=Z,2µm,17.5s	LR	LR		
LZH	comp=Z,450nm,16.0s	LR	LR		
LZH	comp=Z,2µm,19.9s	LR	LR		
MVO	Moncorvo	139.88	86	eSS	SS 13 55 01.9 +2.1
MVO	Moncorvo	139.88	86	eLQ	LQ 14 13 47.1
MVO				eLR	A 14 20 27.9
MVO				A	14 36 23.5
ESDC	Sonsea Array	140.63	90	ePKP	PKP 13 33 22.7 -1.4
NEEM	North Greenland	140.83	20	eP	P 13 33 20.8 -2.8
SUMG	Summit	141.67	29	eP	P 13 33 21.5 -3.9
DFRA	Djebel Bou Aff	144.01	102	eP	P 13 33 39.8 +6.0
CIT	Chita	144.11	291	ePKHP	PKP 13 33 23.6
CIT				pmax	pmax
GTA	Gaotai	144.30	264	ePKP	PKP 13 33 23.8 -5.0
GTA				sPKP	PKP 13 33 27.7 -1.4
GTA				PP	PP 13 36 56.5 +1.0
ABSA	Djebel Ababsia	144.70	104	ePKP	PKP 13 33 32.6 +1.1
GOMU	GerErMu	144.83	255	ePKP	PKP 13 33 30.7 -0.4
GOMU				AMB	AMB
GOMU	comp=Z,1µm,6.1s	LR	LR		
GOMU	comp=Z,2µm,20.2s	LR	LR		

GOMU	comp=Z,2µm,19.6s	LR	LR		
GOMU				LR	LR
CMAH	Djebel Manchou	144.93	104	ePKP	PKP 13 33 34.4 -1.2
TIXI	Tiksi	144.94	327	ePKHP	PKP 13 33 24.8
KEST	Kesra	145.33	107	ePKPbc	PKPbc 13 33 30.4 -2.0
ULN	Ulanabatar	145.44	281	ePKHP	PKP 13 33 25.7
SOMN	Songino Aray	145.80	281	ePKPbc	PKPbc 13 33 26.7 -6.3
SCD	Scoresbysund	146.02	35	ePKP	PKP 13 33 32.2 -0.3
BOD	Boaobabo	146.53	30	ePKHP	PKP 13 33 28.6
BOD				pmax	pmax
DBG	Daneborg	147.14	28	eP	PKP 13 33 34.6 +0.3
NOR	Nord	147.65	15	eP	PKP 13 33 34.8 -0.2
DAG	Danmarks Havn	147.65	24	iP	PKP 13 33 34.5 -0.6
RAYN	Ar Rayn	147.81	170	ePKP2	PKP 13 33 41.1 -0.9
ZAK	Zakamensk	148.88	283	ePKHP	PKP 13 33 37.1 -1.0
ZAK				pmax	pmax
IRK	Irkutsk	149.22	286	ePKHP	PKP 13 33 33.8
IRK				pmax	pmax
EKA	Eskaalemir Ar	149.73	67	ePKPbc	PKPbc 13 33 40.4 +1.3
MOY	Mondy	150.76	284	ePKHP	PKPbc 13 33 44.7 -1.9
MOY				pmax	pmax
DOU	Dourbes	151.68	81	ePKP	PKP 13 33 50.8 +1.8
EIL	Eilat	151.69	149	ePKPbc	PKPbc 13 33 46.0 +3.0
TIP	Timpagrande	151.85	111	ePKP	PKP 13 33 48.4 -1.1
BMRD	Merdesous	151.87	81	ePKP	PKP 13 34 00.8 +2.5
UCC	Uccle	151.88	80	ePKP	PKP 13 33 58.8 +0.5
RCHB	Rochefort	152.06	81	ePKP	PKP 13 33 50.2 +0.5
RCHB				ePKP	PKP 13 34 01.4 +0.3
BGES	Gesves	152.09	81	ePKP	PKP 13 33 52.1 +2.3
BHOU	Houvezneq	152.59	82	ePKP	PKP 13 33 43.7 0.0
BHOU				ePKP	PKP 13 34 01.0 -0.4
MEM	Membach	152.72	81	ePKHP	PKP 13 33 54.0 +2.9
MEM				ePKP	PKP 13 34 03.4 -0.5
BTNL	Ternel	152.77	81	ePKP	PKP 13 34 00.6 -1.5
DAVA	Damuels	153.22	90	ePKP	PKP 13 33 52.9 +0.4
FETA	Feichten	153.56	92	ePKP	PKPbc 13 33 52.2 -0.9
RETA	Reutte	153.84	91	ePKP	PKP 13 33 56.6 +3.0
MOA	Moosalm	153.94	92	ePKP	PKP 13 33 56.1 +2.1
SOTA	Moosalm	153.95	91	ePKP	PKP 13 33 56.8 +2.8
WMQ	Urumqi	154.03	259	ePKPbc	PKPbc 13 33 50.9 -3.2
WMQ				LR	LR
WMQ	comp=Z,2µm,21.3s	LR	LR		
WMQ	comp=Z,2µm,23.9s	LR	LR		
WMQ	comp=Z,3µm,24.0s	LR	LR		
WTTA	Wattenberg	154.21	92	ePKP	PKPbc 13 33 55.5 0.0
WTTA				ePKP	PKPbc 13 33 55.9 +1.3
WATS	Walderalm	154.22	92	ePKP	PKP 13 33 58.7 +3.4
SPITS	Spitsbergen Ar	154.23	16	ePKPbc	PKPbc 13 33 54.0 -0.9
ABTA	Abtaltersbach	154.42	94	ePKP	PKPbc 13 33 54.2 -1.6
LES	Schwarzleotol	154.89	92	ePKP	PKPbc 13 33 54.2 -1.6
MYKA	Terra Mystica	155.00	95	ePKP	PKPbc 13 33 53.0 -3.1
KBA	Koelnreinsberg	155.08	94	ePKP	PKP 13 33 54.4 +4.9
OBKA	Obir	155.44	96	iPKP	pPKP 13 33 58.4 +8.4
BIOA	Bad Ischl, Aus	155.58	93	ePKP	pPKP 13 33 55.0 +4.9
SOKA	Soboth	155.81	96	ePKP	PKP 13 33 52.9 +4.4
SOKA				ePKP	PKPbc 13 34 01.3 +0.8
NKC	Novy Kostel	156.18	86	AMS	AMS 14 04 20.0
GERES	GERES Array B	156.22	90	ePKP	PKP 13 33 45.8 -3.2
KHC	Kasperske Hory	156.30	90	ePKP	PKP 13 33 53.9 +5.0
KHC				eSS	SS 13 57 45.3 -0.4
KHC				AMS	AMS 14 46 10.0
KHC	comp=Z,4µm,20.9s	AMS	AMS		
KHC	comp=Z,2µm,17.9s	AMS	AMS		
KHC	comp=Z,3µm,17.9s	AMS	AMS		
KHC	comp=Z,4µm,20.9s	AMS	AMS		
ARSA	Arzberg	156.41	95	iPKP	PKP 13 34 21.6 +3.9
CKRC	Cesky Krumlov	156.56	91	eSS	SS 13 57 53.0 +4.6
CKRC				AMS	AMS 14 38 50.0
ZVC	Zvikov	156.80	89	ePKP	PKP 13 33 54.0 +0.9
ZVC				ePKP	PKP 13 33 58.6
ZVC				AMS	AMS 14 42 30.0
HSKO	Hora Svate Kat	156.91	86	AMS	AMS 14 45 20.0
CONA	Conrad Observa	156.97	94	ePKP	PKP 13 33 55.0 +5.1
CLL	Collim	156.98	84	iPKIP	PKP 13 33 56.5 +6.8
CLL				pmax	pmax
CLL	comp=Z,9.0nm,1.1s	pmx	pmx		
CLL	comp=Z,104nm,2.4s	MLR	MLR		
RONA	Rosalia, Austr	157.10	95	ePKP	pPKP 13 33 57.1 +5.1
KSH	Kashi	157.12	236	ePKP	PKP 13 33 59.6 +9.2
PRU	Pruhonic	157.26	89	AMS	AMS 14 38 50.0
RICC	Richard	157.26	87	AMS	AMS 14 45 10.0
BRG	Berggiesshubb	157.32	86	ePKP	PKP 13 33 54.9 +4.8
BRG				Ampp	Ampp 13 33 58.9
BRG	comp=Z,9.0nm,1.2s	pmx	pmx		
BRG	comp=Z,9.0nm,1.2s	pmx	pmx		

Table with columns for station code, name, frequency, and other parameters. Includes stations like EHY, EHYH, EHYH, Wanrong, EAHA, Aohua, etc.

Table with columns for station code, name, frequency, and other parameters. Includes stations like TWK, Hsiyinying, TWG, Pinlang, etc.

Table with columns for station code, name, frequency, and other parameters. Includes stations like GZH, Guangzhou, GZH, Nanjing, etc.

Table with columns: VSR, Station Name, Time, Az, El, P, Max, Pmax. Includes stations like Storzhovoye, Bettles, Tanana, Lake Minchumina, etc.

Table with columns: H27K, Station Name, Time, Az, El, P, Max, Pmax. Includes stations like Steamboat Mountain, Babbage River, Stokes Point, etc.

Table with columns: YBH, Station Name, Time, Az, El, P, Max, Pmax. Includes stations like Yreka Blue Hour, Array Bea, etc.

ADC 12 13:30:20.70:0.6,54:75S:130:13W,h0km,mb4.0/10, mbmp4.0/10,MS4.8/13,Error ellipse: s-maj=24.3km s-min=18.6km az=162.0

Code Station Name Az AZ' Phase ID Time Res h m s ISC

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

Table with columns: TXAR, Lajitas Array, 86.82 23 P, P, 13 43 05.5 -1.0, etc. Includes stations like WAKE ISLAND Hy 91.34 303 T, YBHA Yreka Blue Hor 96.32 6 LR, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like BATM Batumi, BATA Batumi, BACA Borka, etc.

BUT 12 13:39:22.3±2.0, 45.33N, 0.03±112.60W±0.05, h9km±5km, Error ellipse: s-maj=6.3km s-min=3.3km az=55.0

NEIC 12 13:39:22.1±1.1, 45.36N, 0.04±112.61W±0.05, h8km±5km, ML2.6/4.0, ML2.6(2)/BT, Error ellipse: s-maj=6.7km s-min=4.6km az=212.0, Montana

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like DLMT Dillon, BOZ Bozeman (W), YHL Hebgen Lake, etc.

Table with columns: TPAW, Long Hollow Red Lodge, 2.26 140, Pb, 13 40 02.1 -1.1, etc. Includes stations like PLID Pearl Lake, MFID Camas Ranch, etc.

NAO 12 13:40:00.6±1.9, 79.30N, 2.54E, ML3.0, BER 12 13:40:03.3±2.7, 79.32N, 2.55E, h10km, mb(Pn)3.7, ML3.0(NAO), Confirmed Earthquake

DKN 12 13:40:05.3±3.4, 79.33N, 2.95E, h36km±26km, ML2.3, FCIAR 12 13:40:06.0, 79.37N, 4.22E, h10km, station ZF12 has station magnitude of 3.80

KOLA 12 13:40:06.6, 79.03N, 3.93E, h0km, ML2.1, Error ellipse: s-maj=42.4km s-min=26.0km az=20.0, Greenland sea, Knipovich ridge, north

ISC 12 13:40:00.9±1.3, 79.37N, 0.08±2.97E±0.06, h10km, n29, r176/45, Greenland Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KBS Kingsbay, SPA0 Spitsbergen Arr, etc.

IDC 12 13:53:44.5±1.2, 0.89S, 122.32E, h0km, mb3.4/5, mbmp3.6/6, ML3.9/1, Error ellipse: s-maj=49.8km s-min=20.3km az=65.0

DJA 12 13:53:47.4±0.2, 1.5±2.12°E, h10km, M4.1/13, MLv4.1/13

ISC 12 13:53:48.7±0.7, 0.94S, 0.05±122.19E±0.04, h31km, n16, r1940/23, mb3.5/5, Minahasa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like APSI Ampana, LUWI Luwuk, KMSI Cibinong, etc.

0.2nm, 0.6s, baz=139, slow=8.0, SNR=2±8, 0.2nm, 0.6s

IDC 12 13:58:28.8±1.7, 18.25S±177.93W, h572km, 19km, mb3.3/12, mbtmp4.2/13, Error ellipse: s-maj=24.0km s-min=15.4km az=137.0

NEIC 12 13:58:28.5±1.3, 18.1S, 0.2±177.9W, 0.2, h571km±10km, mb4.4/23, Error ellipse: s-maj=28.8km s-min=17.7km az=141.0

ISC 12 13:58:29.6±0.7, 18.25S, 0.1±177.9W, 0.1, h590km, n46, r1501/48, mb4.2/24, Fijil Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like NSVNF Nonavsu, AFU Afiamalu, URZ Urewera, etc.

SOME 12 14:02:59.5, 42.48N, 78.08E, h0km, NNC 12 14:02:59.9, 0.7, 42.48N, 78.12E, h0km, mb2.6, mpv2.8, Error ellipse: s-maj=5.4km s-min=2.2km az=172.0

KRNET 12 14:03:00.4±0.1, 42.42N, 78.09E, h17km, mb2.1, ISC 12 14:02:59.9±0.9, 42.48N, 0.03±78.13E±0.02, h17km±7km, n44, r1500/79, 14C-4D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PRZ Przheval'sk, ANVS Anzavsk, SATY Saty, etc.

12d 14h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KURS, TNS5, TNS6, MDOK, etc.

NEIC 12 14:07:42.1+1.6, 12.05N, 0.09E: 143.5E: 0.1, h10km, 1km, mb4.6/31, Error ellipse: s-maj=20.3km s-min=14.2km az=103.0

IDC 12 14:07:46.5+2.0, 12.07N: 143.58E, h50km, 19km, mb4.0/18, mbmp4.2/18, Error ellipse: s-maj=20.2km s-min=12.8km az=98.0

ISC 12 14:07:43.7+0.4, 12.02N, 0.06E: 143.46E: 0.09, h25km, n60, az=110.5, mb4.5/35, mb4.5/35, 1202N:0.06, 143.46E:0.09, h25km, n60, az=110.5, mb4.5/35, mb4.5/35, 1202N:0.06, 143.46E:0.09, h25km, n60, az=110.5

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

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Table with columns: COEN, Coen, 25.81 181, P, Iamb, P, Iamb, 14 13 13.6 +0.5, etc. Includes stations like SOEI, SOEI, KSRS, etc.

IDC 12 14:11:28.9+2.3, 38.33N: 144.68E, h0km, mb3.4/2, mbmp3.5/4, ML3.2/2, Error ellipse: s-maj=59.0km s-min=33.9km az=82.0

JMA 12 14:11:35.4+0.2, 38.4N: 0.8: 14.4E: 1.4, h45km, MV3.7/28, Error ellipse: s-maj=40.0km s-min=20.0km az=82.0

ISC 12 14:11:33.5+1.3, 38.42N: 0.06: 14.47: 29E: 0.08, h29km, n19, az=110.30, Off east coast of Honshu

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

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IDC 12 14:15:15.9+6.8, 13.60S: 168.09E, h0km, mb3.9/6, mbmp3.9/6, Error ellipse: s-maj=155.2km s-min=31.9km az=24.0

NOU 12 14:15:42.0, 15.02S: 167.64E, h130km, MLV4.4/16, Vanuatu Islands

ISC 12 14:15:42.5+1.4, 15.15S: 0.1: 167.5E: 0.2, h150km, n18, az=134/18, mb3.7/6, Vanuatu Islands

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

IDC 12 14:37:12.2+1.4, 18.13N: 145.89E, h119km, 12km, mb4.1/23, mbmp4.5/25, MS3.0/1, Error ellipse: s-maj=17.8km s-min=7.8km az=87.0

NEIC 12 14:37:12.7+1.6, 18.14N: 0.07: 146.0E: 0.1, h12km, 7km, mb5.0/61, Error ellipse: s-maj=17.0km s-min=9.9km az=92.0

ISC 12 14:37:11.5+0.3, 18.13N: 0.04: 145.96E: 0.07, h100km, n419, az=92/421, mb4.9/62, Mariana Islands

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

JTM Tenmabayashi 22.97 350 P P 14 42 07.0 -0.4

JTM Tenmabayashi 22.97 350 P P 14 42 07.8 +0.4

RABL Rabaul 23.01 164 P P 14 42 06.4 -1.6

YHNB Yeheng 23.77 290 P P 14 42 15.8 +0.7

ERM Ermo 23.92 355 P P 14 42 17.2 +1.1

ERM Ermo 23.92 355 P P 14 42 16.9 +0.8

FAKI Fak Fak 24.90 214 P P 14 42 24.9 -0.4

FAKI Fak Fak 24.90 214 P P 14 42 25.4 +0.1

KSRS Korea Array 24.92 324 P P 14 42 24.1 -1.1

JKA Kamikawa-asahi 26.06 354 P Iamb Iamb 14 42 35.2 -0.2

JKA Kamikawa-asahi 26.06 354 P Iamb Iamb 14 42 46.8

ASAJ Asahikawa 26.06 354 P P 14 42 36.0 +0.5

PMG Port Moresby 27.39 177 P P 14 42 45.8 -1.9

PMG Port Moresby 27.39 177 P P 14 42 46.1 -1.5

PMG Port Moresby 27.39 177 P P 14 42 46.9 -0.7

PMG Port Moresby 27.39 177 P P 14 42 46.8 -0.8

Table with columns: Station Name, Location, Time, Elevation, Azimuth, Azimuth Error, Azimuth Uncertainty, and other parameters. Includes stations like LZH Lanzhou, MA2 Magadan, UGM Wanaqama, etc.

Table with columns: Station Name, Location, Time, Elevation, Azimuth, Azimuth Error, Azimuth Uncertainty, and other parameters. Includes stations like O17K Koliganek Bris, I17K Unalakleet, G16K Koyuk River, etc.

Table with columns: Station Name, Location, Time, Elevation, Azimuth, Azimuth Error, Azimuth Uncertainty, and other parameters. Includes stations like KURBB Kurchatov Arra, M22K Wier, G21K Allakaket, etc.

12d 15h

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like G26K Porcupine River, F26K Sheenjek River, etc.

2018 DEC

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like SPITS Spitsbergen Ar, PINE Pine Mountain, etc.

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

Table with 4 columns: Code, Station Name, Az, El, and other parameters. Includes stations like ARTI, BVAR, FRB, etc.

MOS 12 16:15:01.1 ± 1.1, 57.33N:89.19E, h11km, mb4.6/9, Error ellipse: s-maj=8.7km s-min=3.9km az=79.5

Code Station Name Az El Phase ID Time Res

Main table listing station observations with columns: Code, Station Name, Az, El, Phase ID, Time, Res, and various parameters.

Main table listing station observations with columns: WMO, Urumqi, 13.58 184, eP, Pn, and other parameters.

Main table listing station observations with columns: USRK, Usuriysk Arr, 29.60 98, P, P, and other parameters.

12d 17h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Mina Array Bea, Warramunga Arr, Alice Springs, South Pole Qui.

ADC 12 16:37:20.6; 2.7, 57.365; 139.99W, h0km, mb4.0/3, mbtmp4.0/3, Error ellipse: s-maj=123.0km s-min=60.7km az=167.0, Pacific-Antarctic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Urewera, Juan Fernandez, Cape Leeuwin, Warramunga Arr, Eielson Array.

ADC 12 16:48:23.0; 1.0, 2.12N-23.62W, h0km, mb3.9/6, mbtmp3.9/7, ML3.1/1, MS2.7/1, Error ellipse: s-maj=42.4km s-min=22.5km az=144.0, Central Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ASCENSION HYDRI, Riechelo, Dimbokro, Torodi Ar, Bea, La Paz, Boshof, Keskin Array B, Main Array Be, South Pole Qui, Stephens Creek, Alice Springs, Warramunga Arr.

ADC 12 17:23:53.2; 1.2, 61.36N-150.96W, h0km, mb3.3/2, mbtmp3.3/5, ML2.8/3, Error ellipse: s-maj=34.7km s-min=11.6km az=109.0

NEIC 12 17:23:55.5; 1.5, 61.38N-150.02; 149.97W, h0km, 5km, Error ellipse: s-maj=4.0km s-min=2.9km az=116.0

AEIC 12 17:23:56.0; 1.4, 61.35N-150.02; 149.99W, h0km, 6km, ML3.2, ML3.4/86(NEIC), Error ellipse: s-maj=3.6km s-min=3.1km az=78.0

ISC 12 17:23:56.0; 1.2, 61.33N-150.01W, h0km, h36km, 1km, n102, s099/99, Southern Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Fire Island, Rabbit Creek A, Susitna One, Willow, Palmer, Knik Glacier, etc.

2028 DEC

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Skilak Lake, Cooper Landing, Strandline Lak, Port Wells, etc.

850

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Mina Array Bea, Makanchi Array, Susitna One, Rabbit Creek A, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CNPM China Foot, M24K Tolsona, TRF Thorofore Moun, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 12 17:34:29.9, MSVF Nonnavu, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ONTNC Ouen Toro, RAO Raoul Island, TOZ Tahuroa Rock, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BBB Bella Bella, VNA1 Neumayer-Stat, LZH Lanzhou, etc.

12d 18h

ISC 12 17:42:23.3,0.6,55.1S;0.1,129.8W,0.1,110km,n76,
+1509/27,mb4.2/12,MS4.1/35,3C,Pacific-Antarctic
Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Lists various stations like Rapa Nui, Vanda, Palmer Station, etc.

2018 DEC

Table with columns: EKA, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Lists stations like Eskdalemuir Ar, Makanchi Array, etc.

IDC 12 18:34:42.9,1.9,26.40N;91.36E,h0km,mb3.3/5,
mbmp3.4/6,ML4.3/1, Error ellipse: s-maj=80.1km
s-min=20.7km az=65.0

ISC 12 18:34:47.9,2.1,26.40N;91.3914E;0.5,h35km,n6,+0970/6,
mb2.95, Northeastern India

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Lists stations like Chiang Mai Arr, Makanchi Array, etc.

IDC 12 18:35:23.4,0.7,29.15S;179.12W,h335km,7km,mb3.4/6,
mbmp4.1/6, Error ellipse: s-maj=29.0km s-min=18.2km
az=163.0

ISC 12 18:35:21.4,0.6,29.42S;0.07,179.8W,0.1,h300km,n69,
+1467/7,mb3.7/6,Kermadec Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Lists stations like Raoul Island, Green Lake, etc.

IDC 12 18:37:00.1,827.0,22.57S;68.25W,h0km, Error ellipse:
s-maj=387.1km s-min=189.1km az=81.0,Northern Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Lists stations like Robinson Crusoe, etc.

IDC 12 18:40:37.4,1.5,21.93S;169.05E,h0km,mb4.0/4,
mbmp4.0/5,ML3.7/1,MS3.1/3, Error ellipse: s-maj=48.6km
s-min=28.0km az=1.0

NOU 12 18:41:11.2,22.18S;166.88E,h0km,MLV2.4/5,New
Caledonia

ISC 12 18:40:41.4,1.2,21.85S;202.1691E;0.1,h31km,n16,
+0544/16,mb4.2/6,3C,Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Lists stations like Mamie plateau, etc.

IDC 12 18:41:19.7,0.5,29.94N;69.80E,h0km,mb4.4/3/4,
mbmp4.4/37,ML4.2/3,MS3.8/4E, Error ellipse:
s-maj=12.4km s-min=10.9km az=8.0

BUI 12 18:41:20.6,30.18N;69.83E,h6km,mb4.6/4,MS5.0/18,
Ms4.3/28,MS7.4/1/27

MOS 12 18:41:21.2,20.9,30.15N;69.89E,h13km,mb4.8/33,
MS4.2/4, Error ellipse: s-maj=6.3km s-min=3.3km az=88.2

NEIC 12 18:41:22.3,0.8,30.05N;0.08,66.87E;0.0,h10km,1km,
mb4.7/38, Error ellipse: s-maj=13.9km s-min=11.7km
az=163.0

NDI 12 18:41:23.2,29.66N;69.82E,h10km,mb4.6,ML4.6,
mb4.7(NEIC)

ISC 12 18:41:22.1,0.3,30.02N;0.04,69.83E;0.03,h12km,n360,
+159/354,mb4.6/11,MS3.9/55,19C-12D,Pakistan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Lists stations like Bikaner, etc.

852

az=154.0
IDC 12 18:36:50.7,3.2,18.58S;177.95W,h607km,24km,mb3.2/6,
mbmp4.1/8, Error ellipse: s-maj=94.8km s-min=23.2km
az=145.0

ISC 12 18:36:47.5,1.2,19.1S;0.3,177.4W;0.2,h600km,n25,
+1500/25,mb4.1/12,Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Lists stations like Nonsavu, etc.

IDC 12 18:37:00.1,827.0,22.57S;68.25W,h0km, Error ellipse:
s-maj=387.1km s-min=189.1km az=81.0,Northern Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Lists stations like Robinson Crusoe, etc.

IDC 12 18:40:37.4,1.5,21.93S;169.05E,h0km,mb4.0/4,
mbmp4.0/5,ML3.7/1,MS3.1/3, Error ellipse: s-maj=48.6km
s-min=28.0km az=1.0

NOU 12 18:41:11.2,22.18S;166.88E,h0km,MLV2.4/5,New
Caledonia

ISC 12 18:40:41.4,1.2,21.85S;202.1691E;0.1,h31km,n16,
+0544/16,mb4.2/6,3C,Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Lists stations like Mamie plateau, etc.

IDC 12 18:41:19.7,0.5,29.94N;69.80E,h0km,mb4.4/3/4,
mbmp4.4/37,ML4.2/3,MS3.8/4E, Error ellipse:
s-maj=12.4km s-min=10.9km az=8.0

BUI 12 18:41:20.6,30.18N;69.83E,h6km,mb4.6/4,MS5.0/18,
Ms4.3/28,MS7.4/1/27

MOS 12 18:41:21.2,20.9,30.15N;69.89E,h13km,mb4.8/33,
MS4.2/4, Error ellipse: s-maj=6.3km s-min=3.3km az=88.2

NEIC 12 18:41:22.3,0.8,30.05N;0.08,66.87E;0.0,h10km,1km,
mb4.7/38, Error ellipse: s-maj=13.9km s-min=11.7km
az=163.0

NDI 12 18:41:23.2,29.66N;69.82E,h10km,mb4.6,ML4.6,
mb4.7(NEIC)

ISC 12 18:41:22.1,0.3,30.02N;0.04,69.83E;0.03,h12km,n360,
+159/354,mb4.6/11,MS3.9/55,19C-12D,Pakistan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Lists stations like Bikaner, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like DHARAMSHALA, KUNDAL, SIMLIA, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MAKANCHI ARRAY, TAWANG, URUMQI, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like BELG, ASF, PZH, etc.

12d 18h

Table with columns for station name, frequency, power, and other technical details. Includes stations like KLMR, ISR, PLOA, TESR, etc.

2018 DEC

Table with columns for station name, frequency, power, and other technical details. Includes stations like HFS, SOTA, MOTA, FETA, etc.

854

Table with columns for station name, frequency, power, and other technical details. Includes stations like INK, FRB, IL31, ILAR, etc.

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.

12d 21h

Table with columns: SHLS, Shalkode, 2.44, 27, eP, Pg, 19 28 31.6 -0.8, etc. Lists various station codes and their associated data.

2018 DEC

Table with columns: KK31, Kuram, 5.93, 293, Pg, Pb, 19 29 34.0 +4.3, etc. Lists station codes and their associated data.

TEH 12:20:12:06.6, 34.70N:46.29E, h10km, 103km, ML2.6, ISN 12:20:12:06.3, 0.4, 34.70N:46.30E, h9km, 6km, ML2.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists station codes and their associated data.

IDC 12:20:16:51.9, 2.5, 10.95S:123.99E, h0km, mb3.3/1, mbtmp3.3/3, ML3.1/2, MS2.5/1, Error ellipse: s-maj=203.9km s-min=34.8km az=52.0, Timor region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists station codes and their associated data.

IDC 12:21:04:52.3, 2.2, 37.30N:20.90E, h0km, mb3.5/6, mbtmp3.5/9, ML3.2/2, MS3.5/1, Error ellipse: s-maj=42.4km s-min=23.8km az=2.0

THE 12:21:04:57.8, 37.45N:20.70E, h0km, 2km, ML3.2/1, Error ellipse: s-maj=3.5km s-min=0.7km az=230.0

ATH 12:21:04:57.2, 37.45N:20.72E, h10km, 4km, ML3.3/10, Error ellipse: s-maj=4.4km s-min=1.2km az=40.0

ISC 12:21:04:55.3, 1.5, 37.37N:0.05:20.66E, 0.04, h8km, 9km, n43, c1912/62, mb3.6/6, Ionian Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists station codes and their associated data.

856

Table with columns: EVGI, Lefkada island, 1.25, 360, P, Pg, 21 05 18.8 -0.6, etc. Lists station codes and their associated data.

IDC 12:21:13:13.1, 6.0, 5.37S:147.20E, h163km, 106km, mb2.7/2, mbtmp3.4/4, Error ellipse: s-maj=181.0km s-min=37.5km az=113.0, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists station codes and their associated data.

IDC 12:21:15:15.5, 4.0, 2.39S:150.29E, h0km, mb3.3/2, mbtmp3.2/2, Error ellipse: s-maj=167.7km s-min=49.7km az=113.0, New Ireland region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists station codes and their associated data.

IDC 12:21:19:54.2, 7.6, 56.35S:128.38W, h0km, mb4.2/2, mbtmp4.2/2, MS3.8/18, Error ellipse: s-maj=577.1km s-min=59.3km az=143.0, Pacific-Antarctic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists station codes and their associated data.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include KAPI, YBH, TSUM, ILAR, SONMI, MKAR.

KRSC 12:21:27.05:4.0,5:54.38N:160.174E, h89km, 15km, M4.1
IDC 12:21:27.08:3.1,9,54:61N:160.109E, h106km, 19km, mb3.1/9,
mbmp3.6/11, Error ellipse: s-maj=24.7km s-min=16.7km
az=161.0

ISC 12:21:27.06:0.8,54.43N:0.004:160.57E:0.005, h97km, 8km,
n45,+125/55,mb3.3/9, Near east coast of Kamchatka

Main station listing table for the first section, including KII, TUMR, KMNr, etc.

NOU 12:21:42:55.8,15:27S:167.42E, h112km, MLV4.6/14,
Vanuatu Islands
IDC 12:21:42:58.5:3.8,15:64S:167.46E, h115km, 25km, mb3.6/5,
mbmp4.2/7, MS3.8/1, Error ellipse: s-maj=47.2km
s-min=18.6km az=74.0

ISC 12:21:42:59.7:1.3,15.61S:0.009:167.4E:0.02, h124km, n17,
+139/18, mb3.7/5, Vanuatu Islands

Main station listing table for the second section, including VLAKA, DVP, YATNC, etc.

NOU 12:21:47:35.6,10:55S:165.05E, h8km, MLV4.8/9, Santa
Cruz Islands, Santa Cruz Islands

Main station listing table for the third section, including LUES, HURO, ALEG, etc.

IDC 12:21:49:02.9:1.6,6:66S:129.68E, h0km, mb3.3/7,3,
mbmp3.9/6,ML4.2/3,MS3.4/2, Error ellipse: s-maj=76.3km
s-min=24.3km az=79.0

ISC 12:21:49:18.0:1.0,7:27S:0.08:129.8E:0.1, h150km, n15,
+264/14, mb3.5/3, Banda Sea

Main station listing table for the fourth section, including FAKI, DRKS, KDU, etc.

CRAAG 12:22:11:33.0,36:61N:2:89E,ML2.7, Algeria 05km NW
Boufarik

MDD 12:22:11:37.9:1.7,36:64N:2:91E, h9km, Mb3.9/6,
M, mb3.2/6, Error ellipse: s-maj=14.2km s-min=10.0km
az=160.0

ISC 12:22:11:33.1:1.2,36:61N:0.005:3.03E:0:06, h25km, 10km,
n13,+179/18,4C, Northern Algeria

Main station listing table for the fifth section, including ABA, ACHR, ABMS, etc.

IDC 12:22:12:17.5:2.8,22:72N:64:46W, h0km, mb3.8/10,
mbmp3.8/10,MS3.0/5, Error ellipse: s-maj=82.1km
s-min=23.9km az=11.0

NEIC 12:22:12:00.2:0.2,22:52N:0:1:64:4W:0:1, h10km, f1km,
mb4.3/25, Error ellipse: s-maj=17.7km s-min=15.9km
az=172.0

ISC 12:22:12:18.4:0.5,22:48N:0:06:64:39W:0:06, h10km, n73,
+1540/68, mb4.1/16, MS3.1/5, North Atlantic Ocean

Main station listing table for the sixth section, including GPCR, GMPP, GEMR, etc.

ISC 12:22:12:18.4:0.5,22:48N:0:06:64:39W:0:06, h10km, n73,
+1540/68, mb4.1/16, MS3.1/5, North Atlantic Ocean

Main station listing table for the seventh section, including GPCR, GMPP, GEMR, etc.

Main station listing table for the eighth section, including HAL, ACCN, JTS, G62A, etc.

NEIC 12:22:19:00.9:2.4,4:98N:0:07:125:31E:0:10, h193km, 9km,
mb4.6/21, Error ellipse: s-maj=14.7km s-min=9.6km
az=75.0

DJA 12:22:19:01.5:0.5,5:5N:4:12:7E, h190km, 5km, M4.4/12,
mb4.1/5, mb4.9/4, MLV4.5/12, Mw(mb)4.2/4

IDC 12:22:19:03.4:1.4,5:14N:125:54E, h230km, 13km, mb3.4/10,
mbmp4.1/12, Error ellipse: s-maj=27.4km s-min=9.9km
az=70.0

ISC 12:22:19:00.2:0.5,5:05N:0:005:125:46E:0:08, h200km, n50,
+256/65, mb4.1/17, Mindanao

Main station listing table for the ninth section, including SGSI, DAV, DAV, etc.

12d 23h

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like BVAR Borovoye Array, ABKAR Abkulkaray, ILAR Eielson Array, FINES FINESS Array B, TORD Torodi Ar. Bea.

KRSC 12 22:32:03.6:3.4, 56:10N:153:59E, h20km, 75km, ML4.3
IDC 12 22:32:04.1:1.0, 56:25N:154:59E, h0km, mb3.7/6,
mbtmp3.7/8, ML2.9/2, MS2.6/2, Error ellipse: s-maj=29.4km
s-min=16.8km az=55.0

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like ESO Esso, TIGL Tigil, GNL Ganaly, KMNIR Kamenistaya, KIRR Kirishev, APC Apacha, PETK Petropavlovsk-3.5, PETK 5.3nm, 0.3s, baz=350, slow=1.7, SNR=5.1, PETK 8.3nm, 0.3s, baz=345, slow=1.1, SNR=4.3, PETK 5.5nm, 0.3s, baz=305, slow=1.1, SNR=5.1, BZP Bezmyanniy-Pe, YAK Yakutsk, USRK Ussuriysk Ar., KURBB Kurchatov Arra, MKAR Makanchi Array, PDAR Pinedale Array, NOA NORRAR Array B, WRA Warramunga Arr, ASAR Alice Springs.

IDC 12 22:33:23.5:2.1, 22:26S:169:98E, h0km, mb3.8/4,
mbtmp3.8/5, MS3.2/4, Error ellipse: s-maj=57.1km
s-min=31.7km az=23.0

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like DZM Mont Dzumac, DZM 13nm, 0.3s, CTA Charters Tower, STKA Stephens Creek, ASAR Alice Springs, WRA Warramunga Arr, GSPA South Pole Qui, ASAJ Asahikawa, PETK Petropavlovsk-75.89, TROLL Troil, ANTARTI, TROLL Troil, ANTARTI, SNAAS Sanae, SNAAS Sanae, VNA3 Neumayer Olymp, VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, SONM Songoing Array.

IDC 12 22:35:32.8:0.7, 3:73N:128:24E, h0km, mb4.1/1/3,
mbtmp4.1/14, ML4.4/1, MS2.7/1, Error ellipse:
s-maj=39.6km s-min=13.7km az=69.0

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like SGSI Sangihe, NNTI Ternate, DAV Davao City (W), DAV Davao City (E), DAV 43nm, 0.3s, baz=298, slow=23, SNR=3.6, KMSI Cibinong, SANI Sanana, APSI Ampang, WRA Warramunga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, KRSR Korea Array, STKA Stephens Creek, H11S3 WAKE ISLAND Hy, H11S2 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, SONM Songoing Array, SONM 0.2nm, 0.4s, baz=159, slow=4.5, SNR=1.4.

2015 DEC

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like PETK Petropavlovsk-55.02, MKAR Makanchi Array, ZALV Zalesovo Beam, KURBB Kurchatov Arra, BVAR Borovoye Array, NRK Noril'sk, VNA Vanda.

IDC 12 22:37:24.4:3.9, 5:21S:152:04E, h0km, mb3.5/3,
mbtmp3.5/3, Error ellipse: s-maj=139.3km
s-min=33.7km az=109.0, New Britain region

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, SONM Songoing Array, TORD Torodi Arr, TORD Torodi Arr.

IDC 12 22:50:18.1:1.7, 33:73S:73:15W, h0km, mb3.4/1,
mbtmp3.3/3, ML3.7/2, MS3.2/2, Error ellipse: s-maj=81.3km
s-min=35.2km az=79.0

GUC 12 22:50:21.5:0.8, 33:77S:72:56W, h40km, 3km, ML3.5
ISC 12 22:50:18.9:2.2, 33:76S:70:06E, h5km, 13km,
n2, c=11:42, 2C-2D, Off coast of central Chile

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like VA05 Santo Domingo, BO03 Pichilemu, MT01 Popeta, MT02 Curacav, MT09 Talagante, GO05 Hualane, MT05 Renca, MT12 Pirque, PEL Peldehue, MT15 Las Vizcachas, MT14 Cerro Caljn, MT14 Universidad Ad, MT10 Hacienda Santa, BO02 Sierra Bellavi, MT13 San Alfonso, FCH Farellones, LMEL Las Melosas, MT04 Ro Olivares, MT08 Bocatomia Ro, CO04 Los Pedereros, H03S1 Juan Fernandez, H03S2 Juan Fernandez, H03N1 Juan Fernandez, H03N2 Juan Fernandez, PLCA Paso Flores, CPUP Villa Flores, LAZ La Paz, MDP Montañas de, TXAR Lajitas Array, ZALV Zalesovo Beam, MKAR Makanchi Array.

IDC 12 23:06:03.6:2.2, 4:98N:73:16W, h0km, mb3.2/2,
mbtmp3.4/3, ML2.8/1, Error ellipse: s-maj=41.5km
s-min=13.1km az=154.0

RSNC 12 23:06:05.7:0.0, 5:1N:7:37W, h0km, 2km, M2.8, ML2.6
ISC 12 23:06:04.1:0.7, 4:95N:0:02:73:20W:0:03, h10km, n27,
c=12:49, Colombia

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like CHIC Chingaza, CHIC La Rusia, RUSC Villavicencio, SPBC San Pablo de B, ROSC El Rosal, ROSC 31nm, 0.3s, baz=122, slow=17, SNR=4.1.

858

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like ROSC El Rosal, PTGC Puerto Gaitan, PTGC Barichara, NORC Norcasia, PUERTO BERRIO, TAME Tame, Arauca, URMCLa Uribe, Meta, Barrancabermej, Prado, Villamaría, Ca, Guyana, Caidas, Santa Ana, Ortega, Tolima, Pamplona, Colo, San Jose del G, Macarena, Meta, Zaragoza, Cauc, San Jose de Ur, Santo Domingo, Lajitas Array, Mina Array Be, Warramunga Arr.

IDC 12 23:16:56.8:2.2, 5:93S:146:93E, h0km, mb3.3/3,
mbtmp3.4/5, ML3.1/1, MS3.9/1, Error ellipse: s-maj=75.9km
s-min=18.7km az=86.0

ISC 12 23:17:05.9:1.7, 6:25S:0:1:146:9E:0.4, h78km, n7, c=0:76/6,
mb3.2/3, Eastern New Guinea region

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like PMG Port Moresby, WRA Warramunga Arr, ASAR Alice Springs, DZM Mont Dzumac, SONM Songoing Array, MKAR Makanchi Array, TORD Torodi Ar. Bea.

RSNC 12 23:32:56.2:0.3, 9:2N:2:7:1W, h0km, M2.2, ML2.1
FUNV 12 23:32:58.7:8:95N:71:04W, h8km, MW3.2
ISC 12 23:32:55.9:1.5, 9:05N:0:05:71:10W:0:03, h8km, n12km,
n2, c=11:24, 2C-2D, Lake Maracaiibo

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like SDV Santo Domingo, SOCO Socoops, CAPV Capacho, PAMC Pamplona, CRUC Carrejon, MAPV Macapao, URIB Uribia, EL Baul, BENV Beln, RUSC La Rusia, SJCC San Jacinto, TACV Tcata, WRA Warramunga Arr, STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, ASAR 43nm, 0.3s, baz=298, slow=23, SNR=3.6, JNU Nakutsue, MKAR Makanchi Array.

IDC 12 23:33:29.4:8.8, 10:09S:163:68E, h0km, mb3.8/3,
mbtmp3.8/3, MS3.3/4, Error ellipse: s-maj=269.8km
s-min=51.6km az=122.0, Bougainville-Solomon Islands
region

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like CTA Charters Tower, STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, ASAR 43nm, 0.3s, baz=298, slow=23, SNR=3.6, JNU Nakutsue, MKAR Makanchi Array.

ISC 12 23:43:59.5:1.6, 32:32N:45:66E, h2km, 14km, ML3.6
IDC 12 23:44:01.1:1.9, 32:36N:45:67E, h0km, mb3.6/6,
mbtmp3.6/8, ML3.1/2, Error ellipse: s-maj=46.1km
s-min=19.0km az=162.0

TEH 12 23:44:01.2:32:34N:45:67E, h8km, 83km, ML3.6
ISC 12 23:44:01.0:1.6, 32:34N:45:67E, h0km, n42,
c=2:07/48, mb3.6/6, Iraq

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like RAFI Al-Rafai, RAFI Al-Rafai, RAFI comp=N, 8um, 0.8s, RAFI comp=E, 8um, 0.7s, IBDR Badra, IBDR comp=N, 2um, 0.6s, IBDR comp=E, 1um, 0.5s.

Table with columns for station ID, name, frequency, mode, and other parameters. Includes stations like ILSA, BHD, IKRG, HAGD, SDSL, JHBN, etc.

ADC 12 23:53:40.4-0.6, 19°49'S:169°74'E, h0km, mb4.5/18, mbmp4.5/22, ML4.7/4, MS4.2/45, Error ellipse: s-maj=17.1km s-min=14.8km az=110.0

BUI 12 23:53:41.0, 19°29'S:169°72'E, h5km, mb4.9/41, mb5.0/3, Ms7 4.8/2, MOS 12 23:53:41.3-1.2, 19°48'S:169°68'E, h15km, mb5.1/22, Error ellipse: s-maj=10.7km s-min=9.0km az=29.7

Table with columns for Code, Station Name, Az, Phase, Time, Res, etc. Includes stations like DVP, MARNK, YATNC, etc.

Main table with columns for CTA, LR, LR, 00 06 21.8, etc. Includes stations like CTAO, WOLH, RABL, KHZ, CTAO, etc.

Table with columns for TOLIZ, TOLIZ, 52.22 287, IAMB, P, 00 02 52.8 -1.0, etc. Includes stations like TOLIZ, JAGI, VAND, etc.

Table with columns: Call sign, Name, Frequency, Band, Mode, etc. Includes stations like YAK Yakutsk, BILL Bilibino, GYA Gaotai, etc.

Table with columns: Call sign, Name, Frequency, Band, Mode, etc. Includes stations like LESA Schwarzleiste, STU Stuttgart, WTA Walderalm, etc.

Table with columns: Call sign, Name, Frequency, Band, Mode, etc. Includes stations like MSAL Masih, AAI Ambon, NLAI Namlea, etc.

Table with columns: Call sign, Name, Frequency, Band, Mode, etc. Includes stations like IDC 13 00:00:44.2,1.0, 2.1'4N-96.06'E, etc.

Table with columns: Call sign, Name, Frequency, Band, Mode, etc. Includes stations like Code Station Name, SINSI Sinabang, GSI Gunungsitoli, etc.

Table with columns: Call sign, Name, Frequency, Band, Mode, etc. Includes stations like SNAAS Sanae, SNAAL Sanae, SNAAR Sanae, etc.

Table with columns: Call sign, Name, Frequency, Band, Mode, etc. Includes stations like LPIG La Paz, F19K Shalerrucik, BBB Bella Bella, etc.

Table with columns: Call sign, Name, Frequency, Band, Mode, etc. Includes stations like ILAR Eielson Array, ELK Elko, X16A Lo Mia Camp, etc.

Table with columns: Call sign, Name, Frequency, Band, Mode, etc. Includes stations like ANMO Albuquerque, TXAR Lajitas Array, INK Inuvik, etc.

Table with columns: Call sign, Name, Frequency, Band, Mode, etc. Includes stations like WMQ Urumqi, YKA Yellowknife Ar, MKAR Makanchi Array, etc.

Table with columns: Call sign, Name, Frequency, Band, Mode, etc. Includes stations like ZALV Zalesovo Beam, ABPO Ambohimpanon, TXAR Lajitas Array, etc.

Table with columns: Call sign, Name, Frequency, Band, Mode, etc. Includes stations like ZAAO Zalesovo Array, ZALV Zalesovo Beam, STKA Stephens Creek, etc.

Table with columns: Call sign, Name, Frequency, Band, Mode, etc. Includes stations like BVAR Borovoye Array, BRVK Borovoye, ABKAR Abkhar array, etc.

Table with columns: Call sign, Name, Frequency, Band, Mode, etc. Includes stations like ACROSS ACCESS Array, SPITS Spitsbergen Ar, EKA Korea Array, etc.

Table with columns: Call sign, Name, Frequency, Band, Mode, etc. Includes stations like TXAR Lajitas Array, IDC 13 00:04:22.3,1.1, 1.0'06N-144.73E, etc.

Table with columns: Call sign, Name, Frequency, Band, Mode, etc. Includes stations like Code Station Name, H11S3 WAKE ISLAND Hy 20.88, etc.

Table with columns: Call sign, Name, Frequency, Band, Mode, etc. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ZALV Zalesovo Beam, etc.

Table with columns: Call sign, Name, Frequency, Band, Mode, etc. Includes stations like MKAR Makanchi Array, KURBB Kurchatov Arr, BVAR Borovoye Array, etc.

Table with columns: Call sign, Name, Frequency, Band, Mode, etc. Includes stations like NVAR Mina Array Bea, MEX 13 00:15:14.9,0.5, 13.75N-92.34W, etc.

Table with columns: Call sign, Name, Frequency, Band, Mode, etc. Includes stations like Code Station Name, SULM Satchilepeque, RTAL Rotalia, etc.

Table with columns: Call sign, Name, Frequency, Band, Mode, etc. Includes stations like Code Station Name, GENI Genyem, GENI Genyem, etc.

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res, ISC. Includes stations like Serui, Warrunganga Arr, Alice Springs, etc.

IDC 13 00:50:14.1+0.6, 8.62N-93.87E, h0km, mb4.2/21, mbmp4.2/23, ML4.1/2, MS3.7/11, Error ellipse: s-maj=24.3km s-min=14.3km az=59.0

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res, ISC. Includes stations like Phuket, Lhok Sumawe, etc.

NEIC 13 00:50:26.4+1.5, 8.68N-0.05E, 0.1, 11.71km, 5km, mb4.6/35, Error ellipse: s-maj=18.8km s-min=6.6km az=82.0

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res, ISC. Includes stations like Rantau Prapat, Ipoh, etc.

IC 13 00:50:15.9+0.5, 8.72N-0.06E, 94:13E:0'05, h10km, n137, s170:135, mb4.5/57, MS3.8/9, 6C-5D, Nicobar Islands region

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res, ISC. Includes stations like Tagayay City, Diego Garcia H, etc.

IC 13 00:50:16.4+3.2, 8.02N-94.84E, h120km, mb4.6, mb4.6(NEIC)

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res, ISC. Includes stations like Kurchatov Arr, Zalesovo Beam, etc.

IC 13 00:55:07.2+0.8, 16.48S-177.41E, h0km, mb4.2/12, mbmp4.2/12, MS4.0/42, Error ellipse: s-maj=22.2km s-min=17.2km az=65.0

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

IC 13 00:55:06.5+1.1, 16.26S-0.06E, 177.8E:0.2, h10km, 2km, mb4.5/7, Error ellipse: s-maj=26.0km s-min=9.6km az=97.0

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res, ISC. Includes stations like CROZET ISLANDS, MALIN ARRAY BEA, etc.

IC 13 00:55:07.2+0.8, 16.48S-177.41E, h0km, mb4.2/12, mbmp4.2/12, MS4.0/42, Error ellipse: s-maj=22.2km s-min=17.2km az=65.0

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

IC 13 00:55:06.5+1.1, 16.26S-0.06E, 177.8E:0.2, h10km, 2km, mb4.5/7, Error ellipse: s-maj=26.0km s-min=9.6km az=97.0

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

IC 13 00:55:06.5+1.1, 16.26S-0.06E, 177.8E:0.2, h10km, 2km, mb4.5/7, Error ellipse: s-maj=26.0km s-min=9.6km az=97.0

Table with columns: WB0, WRA, AS31, ASAR, TAOE, FITZ, BATI, NWA0, VNDA, VNDA, RPV, ASAJ, SHEM, KSR5, QSPA, QSPA, KDAK, MA2, PSI, YBH, PFO, NVAR, NVAR, LPIG, BBB, MAW, BELA, ELK, CMAR, CMAR, ILAR, PMSA, NEW, ANMO, TXAR, PDAR, SONM, SONM, TROLL, SNA4, SNA4, VNA3, BRDH, VNA2, TIXI, YKA, YKA, PLCA, PALK, GERES, FNA

NDI 13 00:56:35.8:3.4, 27.36N-87.97E, h10km, ML3.5, MW3.5, Nepal

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

AEIC 13 01:03:06.8:3.6, 61.34N-0.04:150.09W:0.05, h22km, 7km, Error ellipse: s-maj=5.1km s-min=3.5km az=171.0

NEIC 13 01:03:07.3:1.5, 61.40N-0.03:150.04W:0.05, h45km, 6km, ML2.9/48, ML2.6(AEIC), Error ellipse: s-maj=4.9km s-min=3.1km az=211.0, Southern Alaska

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

Table with columns: RC01, SUA, SUA, SUA, M22K, M22K, PMR, PMR, GHO, GHO, GHO, KNK, KNK, KNK, CAPN, STLK, STLK, SLKM, SLKM, SML, SKT, SKT, SKT, O22K, O22K, PWL, SPU, M24K, M24K, M24K, N19K, N19K, N25K, N25K, L18K, MENT, MENT, J25K, J25K, J25K

AEIC 13 01:05:19.2:1.3, 61.48N-0.05:150.01W:0.08, h20km, 6km, Error ellipse: s-maj=7.2km s-min=5.7km az=163.0

NEIC 13 01:05:20.0:0.6, 61.53N-0.04:149.98W:0.08, h35km, 10km, ML3.3/100, ML3.2(AEIC), Error ellipse: s-maj=5.7km s-min=5.1km az=59.0, Southern Alaska

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

Table with columns: M17K, J19K, I23K, I23K, I23K, N17K, J18K, J18K, SCRR, SCRR, SCRR, J25K, J25K, J25K, I21K, POKR, POKR, POKR, I20K, M27K, M27K, M27K, KDAK, KDAK, KDAK, GRNC, GRNC, GRNC, K17K, K17K, K17K, BCAR, OHAK, I26K, I26K, I26K, EGAK, EGAK, SII, F26K

IDC 13 01:13:54.6:0.8, 16.53S-177.47E, h0km, mb4.0/11, mb14.0/11, MS3.9/34, Error ellipse: s-maj=23.3km s-min=17.7km az=71.0

NEIC 13 01:13:58.1:1.4, 16.52S-107.178E:0.3, h10km, 1km, mb4.7/10, Error ellipse: s-maj=41.4km s-min=11.7km az=273.0

GCMT 13 01:14:00.1:4.0, 16.30S-107.177E:0.2, h16km, 2km, MW4.8/76, Moment Tensor Solution, s14.c14; s76.c95; Duration: 0 Moment tensor: Scale 10^19Nm; Mo=2.22e13; Mw=1.9e12; Ms=0.97e11; Mo=0.87e37; Ms=1.85e11; Mw=0.07e28; Best double couple: M2=3.0000e10; NP1=s255.0000; s87.0000; s2.00000; NP2=s346.0000; s70.0000; s1.177.0000; Principal axes: T=21160, P1g12.0000; Azm302.0000; N=0.372; P1g70.0000; Azm60.0000; P=2.4830, P1g16.0000; Azm208.0000; nsta1 refers to surface waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 13 01:13:58.4:0.6, 16.53S-107.1775E:0.1, h24km, n56, c1317/27, mb4.3/16, MS3.9/31, 2C, Fiji Islands

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

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other station details.

IDC 13 02:14:27.8, 1.8, 3.27N, 127.90E, h0km, mb3.6/4, mbtmp3.6/4, MS3.2/1, Error ellipse: s-maj=161.1km s-min=20.4km az=68.0

DJA 13 02:14:35.9, 1.9, 3.1N, 5.12E, h22km, 22km, M4.1/7, mb4.4/1, MLV4.0/7

ISC 13 02:14:40.1, 1.5, 3.1N, 0.2E, 127.7E, 0.3, h100km, n7, o332.7, mb3.5/4, Talaud Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other station details.

SOME 13 02:22:11.0, 39.12N, 171.75E, h15km NNC 13 02:22:12.9, 3.5, 39.31N, 171.28E, h0km, mb3.9, mpv3.5, Error ellipse: s-maj=26.8km s-min=11.5km az=8.0

ISC 13 02:22:06.8, 3.6, 39.0N, 0.2E, 171.73E, 0.07, h100km, n12, o2505/20, 2C, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other station details.

SJA 13 02:22:39.2, 0.8, 21.17S, 69.20W, h110km, 4km, ML3.7, MW3.7

GUC 13 02:22:39.9, 0.6, 21.17S, 69.03W, h107km, 3km, ML3.7

ISC 13 02:22:39.9, 1.4, 21.18S, 0.03, 69.16W, 0.06, h110km, gkm, n24, r150/45, 3C-1D, Northern Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other station details.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other station details.

IDC 13 02:22:58.2, 5.6, 7.16S, 129.08E, h248km, 60km, mb2.8/1, mbtmp3.8/5, Error ellipse: s-maj=57.2km s-min=20.4km az=40.0, Banda Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other station details.

IDC 13 02:23:34.2, 7.6, 17.20S, 177.70W, h0km, mb3.7/3, mbtmp3.7/3, Error ellipse: s-maj=334.6km s-min=37.7km az=142.0, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other station details.

NOU 13 02:33:00.7, 21.97S, 169.38E, h0km, MLV4.6/7, Southeast of Loyalty Islands

IDC 13 02:33:03.0, 3.0, 6.21S, 169.38E, h0km, mb4.3/16, mbtmp4.4/20, ML4.3/4, MS3.4/3, Error ellipse: s-maj=18.5km s-min=16.1km az=146.0

MOS 13 02:33:04.5, 1.4, 22.02S, 169.12E, h17km, mb5.3/11, Error ellipse: s-maj=11.8km s-min=11.1km az=116.3

NEIC 13 02:33:04.8, 1.5, 22.1S, 0.1E, 169.01E, 0.05, h10km, 1km, mb5.1/49, Error ellipse: s-maj=17.8km s-min=7.8km az=172.0

ISC 13 02:33:07.6, 0.4, 22.11S, 0.06E, 169.06E, 0.05, h31km, n142, r135/143, mb4.9/52, 4C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other station details.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other station details.

Table with columns: Code, Station, Name, Az, Az2, Op, Phase, I, S, C, h, m, s, Res, Time, Res. Includes stations like Fort Rock, Pinacote, Blythe, Mohawk Valley, Pine Mountain, Wild Horse Val, Wickenburg, Circle Bar Ran, Eielson Array, Elko, Lo Mitá Camp, North Rim, Los Muermos, Urumqi, Belogoroye, Piszketeto, Vyhne, Kraliky, Dobruska-Polom, Vranov, Berggiesshubel, etc.

IDC 13 02:52:45.8,0.6,22'15S,169'45E,h0km,mb4.5/13, mbmp4.5/16,ML4.2/3,MS3.9/23,Error ellipse: s-maj=18.7km,s-min=18.3km,az=91.0
MOS 13 02:52:46.7,1.9,22'18S,169'27E,h10km,mb5.0/7,Error ellipse: s-maj=12.8km,s-min=10.4km,az=31.6
NEIC 13 02:52:47.6,1.8,22'39S,0'09,169'33E,0'07,h10km,1km, mb4.9/38,Error ellipse: s-maj=14.8km,s-min=11.2km,az=174.0
NOU 13 02:53:01.1,22'03S,168'27E,h0km,MLV3.9/6,New Caledonia
ISC 13 02:52:49.2,0.4,22'34S,0'06,169'35E,0'06,h23km,n187, r=11/170,mb4.8/45,MS4.0/20,11C-19D,Southeast of Loyalty Islands

Table with columns: Code, Station, Name, Az, Az2, Op, Phase, I, S, C, h, m, s, Res, Time, Res. Includes stations like Mare, Loyalty, Mamie plateau, Ouen Island, Ouen Toro, Mont Dzumac, etc.

Table with columns: CTA, Station, Name, Az, Az2, Op, Phase, I, S, C, h, m, s, Res, Time, Res. Includes stations like Charters Tower, Charters Tower, Charters Tower, etc.

Table with columns: SNA, Station, Name, Az, Az2, Op, Phase, I, S, C, h, m, s, Res, Time, Res. Includes stations like Sanae, Sanae, Sanae, etc.

Table with columns: PDAR, ILAR, Station Name, SNR, Azimuth, Elevation, etc.

IDC 13 04:01:22.4-1.9, 24:01:10N:108:97W, h0km, mb3.5/2, s=mbmp3.3/5, ML3.3/2, MS2.9/1, Error ellipse: s-maj=83.9km

MEX 13 04:01:27.1-0.5, 24:20N:109:00W, h10km, mb4.0/0.5, ISC 13 04:01:25.7-1.8, 24:21N:108:09.108.09, M4.0/0.5, h15km, 16km, n14, z=28.5/20, Gulf of California

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, etc.

VAO 13 04:04:21.7-1.1, 27:89S:69:39W, h62km, 6km, mb4.7, IDC 13 04:04:25.2-2.4, 27:63S:69:03W, h77km, 20km, mb4.3/19,

NEIC 13 04:04:27.3-2.7, 27:71S:69:20W, h115km, NEIC 13 04:04:27.9-2.0, 27:68S:0:05:69:09W, h100km, 5km,

VAO 13 04:04:29.1-0.6, 27:65S:69:28W, h110km, 5km, ML4.8, ISC 13 04:04:26.9-0.6, 27:63S:69:03:69:21W, h97km, 5km,

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, etc.

NEIC 13 04:04:27.3-2.7, 27:71S:69:20W, h115km, NEIC 13 04:04:27.9-2.0, 27:68S:0:05:69:09W, h100km, 5km,

Main table with columns: PB14, IPOC Station P, PB14, FSA, DOCA, DOCA, AVFE, Valle Fertil, etc.

Main table with columns: MDP, SDV, SDV, BAUV, MLPR, OBIP, PDPR, CERG, SJP, UUPR, PETF, CMIG, TEIG, VNA3, VNA2, VNA2, SNAW, SNAW, SNAW, SNAW, SNAW, TROLL, GSPA, GSPA, BG3, BG3, HNDO, DRIO, PCPT, TKL, TKL, SWET, 237A, Z41A, Z41A, HPIG, HPIG, JCT, BRDY, SAND, CLTN, TXAR, OZNA, WWT, WWT, PLPT, WHAR, ALPN, FCAR, MNHN, APMT, SIUC, W3SA, HHAR, DKNS, MGMO, P52A, P51A, CCM, ACSD, WSCW, KAN08, WVNY, VYND, DBIC, DBIC, ANMO, DBK5, T25A, Q24A, MVCO, WUAZ, ECSD, U15A, RSSD, RSSD, MAW, MAW, HWUT, AGMN, PDAR, TORD, TORD, AHID, NVAR, ELK, SNOW

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like LOHW Long Hollow, FLWY Flagg Ranch, BOSA Boshof, etc.

TRN 13 04:13:56.4, 10.36N-62.25W, h3km, MD4.1, Gulf of Paria.
FUNV 13 04:13:58.5, 10.31N-62.15W, h10km, MW3.6
IDC 13 04:14:00.6, 1.1, 1.69N-62.36W, h0km, mb3.5/6, mbtmp3.5/6, MS2.8/2, Error ellipse: s-maj=42.5km

ISC 13 04:14:03:56.5-1.3, 10.31N-0.05:62.24W-0.04, h16km, gkm, n45, -1841/68, mb2.4/6, 2C, Near coast of Venezuela

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Lists various stations like PSMG Mucurapo Girls, PSQC Port of Spain, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Lists stations like FINES FINESS Array B, ROM 13 04:14:13.8, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like ESMAL Monte Spagnolo, ESMG Raffo Rosso, etc.

TRN 13 04:18:30.2, 10.36N-62.24W, h3km, MD3.4, Gulf of Paria.
FUNV 13 04:18:32.3, 10.26N-62.08W, h17km, MW3.6
ISC 13 04:18:30.6, 1.6, 10.21N-0.05:62.14W-0.05, h17km, 12km, n22, -0994/32, 1C, Near coast of Venezuela

13d 4h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, Div, Divide, 2008, 94, Pn, Pn, 04 21 53.9, -0.2, HNS, comp=Z,6.0nm,1.6s, pmax, pmax, 04 51 09.6

TRN 13 04:19:37.2, 10:32N, 62:21W, h8km, MD3.8, Gulf of Paria... Near coast of Venezuela

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, Div, Divide, 2008, 94, Pn, Pn, 04 21 53.9, -0.2, HNS, comp=Z,6.0nm,1.6s, pmax, pmax, 04 51 09.6

NEIC 13 04:21:21.4, 1.6, 61.143N, 0103:150.02W, h41km, 7km, Error ellipse: s-maj=4.1km s-min=3.1km az=198.0

AEIC 13 04:21:21.8, 1.1, 61.35N, 0102:150.04W, h36km, 6km, ML2.4, ML2.5/86(NEIC), Error ellipse: s-maj=3.4km s-min=1.3km az=54.0, Southern Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, Div, Divide, 2008, 94, Pn, Pn, 04 21 53.9, -0.2, HNS, comp=Z,6.0nm,1.6s, pmax, pmax, 04 51 09.6

2018 DEC

Table with columns: DIV, Divide, 2008, 94, Pn, Pn, 04 21 53.9, -0.2, HNS, comp=Z,6.0nm,1.6s, pmax, pmax, 04 51 09.6

IDC 13 04:25:49.8, 0.7, 2:81S, 119:56E, h0km, mb4.3/9, mbmp4.3/10, ML4.3/1, MS3.3/17, Error ellipse: s-maj=40.7km s-min=13.7km az=64.0

DJA 13 04:25:52.0, 0.2, 3:2S, 2:11E, h10km, M4.7/18, mb4.8/11, mb5.0/1, MLV4.7/18, Mw(mb)4.3/1

NEIC 13 04:25:52.6, 1.4, 2:89S, 0:05, 119:41E, 0:10, h10km, 1km, mb4.9/25, Error ellipse: s-maj=16.5km s-min=8.5km az=262.0

ISC 13 04:25:52.2, 0.4, 2:96S, 0:04, 119:40E, 0:05, h10km, n83, r1524/77, mb4.7/31, MS3.2/14, 2D, Sulawesi

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, Div, Divide, 2008, 94, Pn, Pn, 04 21 53.9, -0.2, HNS, comp=Z,6.0nm,1.6s, pmax, pmax, 04 51 09.6

870

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, Div, Divide, 2008, 94, Pn, Pn, 04 21 53.9, -0.2, HNS, comp=Z,6.0nm,1.6s, pmax, pmax, 04 51 09.6

Table with columns for station code, name, frequency, and other parameters. Includes stations like Jackson Bay, Charters Tower, Stephens Creek, Warramunga Arr, Alice Springs, Fitzroy Crossi, Matsuhiro Arr, Matsu-Tunnel, South Pole Qui, Petropavlovsk, Ussuriysk Ar, Mina Array Bea, Nanjing, Port Alsworth, North Rim, Elko, BinXian, Pilot Rock, Blue Mountains, Tatalina, Innoko River, Beach Ranch, Pearl Lake, Halley, Van Horn, Lajitas Array, Alpine, College, Eielson Array, Pinedale Array, Bozeman (W), Redstone River, XLiLinHaoTe, Anaktuvuk Pass, Princess Elis, Chandalar, Nanushuk River, Hu-ho-hao-te, Cleburn, Franklin Bluff, Satah River, Chiang Mai Arr, PanZhiHua, Warramunga Arr, WRA, WBE, ASAR, ARSAR, MORW, PMG, CMAR, KSH, BVAR, KKAR, SIMJ, ARCES, FINES, NC405, NC602, KNP, BMD, STHS, KOLS, CLL, OSTA, UJC, BR131, BRTR, BRTR, DPG, DRC.

Table with columns for station code, name, frequency, and other parameters. Includes stations like BRG, BRG, KRLC, MORC, HSKC, BR231, ASF, MLR, VYHS, JAVC, ZVC, MMAI, MODS, KHCC, CKRC, GERES, CONA, ROSAL, EIL, ARSA, LESA, KBA, RETA, WTTA, WTTA, MOTA, SQT, MYKA, DAVA, ABTA, ABTA, FETA, TTSI, SPSI, KAPI, KAPI, KAPI, BKSI, APSI, BKB, KDI, BSSI, LUWI, LUWI, BBSI, TOLIJ, PLAI, MMRI, WBSI, SRBI, BATI, KVM, DAK, FITZ, RPSI, PSI, PSI, WB0, WRA, WRA, WB2, ASAR, ASAR, ASAR, MORW, PMG, CMAR, STKA, KRSR, GTA, GTA, LHI, ULN, ULN, SOMM, NRRN, NRRN, MK31, MK2, MK2, CASY, CASY.

Table with columns for station code, name, frequency, and other parameters. Includes stations like ZAAO, ZALV, KURBS, KURK, PETK, UOSS, UOSS, TIXI, VNSA, VNSA, GRHM, STLK, STLK, AKASG, ARG, MZAK, TORD, M0S, NEIC, IDC, TEH, IMGH, ISC, Code, Station Name, Az, AzE, Op, Phase ID, H, Time, Res, ISC, H, Time, Res, ISC.

13d 4h

Table of astronomical observations for 13 days, 4 hours. Columns include station name (e.g., ASAF, EIL, KBZ), time (e.g., 12.15 283), position (Pn, P, Sn), and coordinates (e.g., 04 49 18.9 -3.5).

2018 DEC

Table of astronomical observations for 2018 December. Columns include station name (e.g., MKAR, RONA, ARSA), time (e.g., 29.38 47), position (eP, pP), and coordinates (e.g., 04 52 34.0 +2.1).

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Table of astronomical observations for station 872. Columns include station name (e.g., VAY, KAVA, KRB), time (e.g., 0.72 292), position (eSg, iPg), and coordinates (e.g., 04 47 57.3 +0.3).

Table with columns for station name, frequency, power, and other technical details. Includes stations like ANVS Anan'yev, SIMJ Simigang, SGDS Sogindya, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like PDGK comp=Z,184nm,0.8s, PDGK Podgornoye, ARXS Arharly, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like ARTI Arti, ARTI comp=Z,0.2nm,0.3s, ARTI comp=Z,133nm,18.7s, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains data for stations like MTBS, ANVS, TNS, DGS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains data for stations like I46RU, ZALV, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains data for stations like MKAR, IDC, MED, MDSM, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains data for stations like DLFA, TETR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains data for stations like KEK, ATH, KPRO, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains data for stations like BOSS, COMU, etc.

13d 6h

Table with columns: Call Sign, Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like RCHB, BCLA, BGES, etc.

2018 DEC

Table with columns: Call Sign, Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like PESTR, POLO, STRU, etc.

878

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

Table of station data for the left column, including call signs like SFJD, LSZ, FRB, and various frequencies and coordinates.

Table of station data for the middle column, including call signs like OK052, PDAR, HWUT, and various frequencies and coordinates.

Table of station data for the right column, including call signs like CHIT3, AZU, ZANG, and various frequencies and coordinates.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like Ouen Island, Mont Dzumac, Alice Springs, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like Pinotepa, Mixco, Tiaxiaco, Huajuapán de L., etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like San Miguel Top, Malinalco, Universidad Na, etc.

13d 13:07:13:53.91.3, 15:39N:94:50W, h0km, mb3.7/9, mbtm3.7/11, ML3.8/2, MS3.8/19, Error ellipse: s-maj=23.4km s-min=17.3km az=46.0

13d 13:07:13:56.2.0.8, 15:07N:94:46W, h16km, mb4.5, CATAC 13:07:13:56.2.0.5, 15:52N:94:45W, h30km, MB5.2, mb4.8, ML4.8

13d 13:07:13:58.5.9.2, 15:21N:0:06:94:45W, h1km, mb3.2km, mb4.2/36, MD4.5/12(MEX), Error ellipse: s-maj=10.8km s-min=3.3km az=343.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like Arriaga, Huatulco, Matias Romero, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like Laguna Verde, San Andres, Piamonte, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like Morelia, Heredia, Soroa, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KAN13, KAN17, KAN20, etc.

IDC 13 07:26:57.6: 1.6, 49.70N:81.55E, h0km, mbmp2.5/2, ML2.0/2, Error ellipse: s-maj=26.1km s-min=8.5km az=52.0

NNC 13 07:26:59.1: 1.7, 49.78N:81.62E, h0km, mb3.1, mpv2.9, Error ellipse: s-maj=23.0km s-min=4.8km az=54.0

ISC 13 07:27:02.0: 0.9, 49.19N:80.5E:0.1, h0km, n12, 0.93/14, 4C-4D, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SEM Semipalatinsk, KURBB Kurchatov Arra, etc.

MEX 13 07:37:48.8: 1.0, 14.31N:93.44W, h18km, 59km, MD4.4

IDC 13 07:37:51.8: 2.2, 15.14N:93.34W, h0km, mb3.7/2, mbmp3.7/5, ML3.4/3, MS3.3/3, Error ellipse: s-maj=45.3km s-min=22.7km az=25.0

CATAC 13 07:37:52.0: 0.6, 14.24N:93.01W, h12km, 6km, MB4.4, mb4.5, ML4.1

GCG 13 07:38:12.2: 3.3, 14.54N:91.53W, h9km, MD4.0

ISC 13 07:37:45.4: 2.9, 14.28N:0.06:93.41W:0.03, h14km, 20km, n81, 2847/122, MS3.3/3, Near coast of Chiapas

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like THG THIG, SMCA Catarina, etc.

Main table with columns: RTAL, SULM, STG3, CARR, SOKI, SOKI, HUEH, HUEH, HUEH, CCIG, CCIG, QUIS, QUIS, FUG, TGIG, TGIG, TGBT, TGBT, ESSG, ESSG, GUMI, GUMI, GCG4, GCG4, NBG, HUIG, HUIG, XUV, XUV, CMIG, CMIG, CMIG, NUBE, NUBE, CEVE, CEVE, UNIC, UNIC, TUIG, TUIG, JAYA, JAYA, JAYA, CEDA, CEDA, MTO3, MTO3, ESQI, ESQI, ESQI, PEIG, PEIG, PMON, PMON, PMON, UEES, UEES, NEUV, NEUV, VHO, VHO, VHO, PETF, PETF, PETF, COEG, COEG, COEG, SARH, SARH, SCLA, SCLA, SCLA, YOIG, YOIG, YOIG, PQSS, PQSS, PACA, PACA, PACA, PNIG, PNIG, PNIG, SCIG, SCIG, SCIG, TXIG, TXIG, TXIG, TOIG, TOIG, TOIG, LCND, LCND, LCND, LCND, HLIG, HLIG, HLIG, CNCH, CNCH, CNCH, CNCH, CNCH, TPIG, TPIG, TPIG, FTIG, FTIG, FTIG, TLIG, TLIG, TLIG, JAUV, JAUV, JAUV, CRIG, CRIG, CRIG, CHOH, CHOH, DAIG, DAIG, DAIG, PBCV, PBCV, PBCV, PBXN, PBXN, PBXN, PLIM, PLIM, PLIM, LIMN, LIMN, LIMN, YAIG, YAIG, YAIG, CXUV, CXUV, CXUV, PLIG, PLIG, PLIG

Table with columns: R0529, R0529, PBVM, PBVM, AOVN, AOVN, TEIG, TEIG, ARIG, ARIG, JTS, JTS, JTS, TXAR, TXAR, LPIG, LPIG, ATAH, ATAH, LPAR, LPAR, MDP, MDP, YKA, YKA

IDC 13 07:45:34.4: 1.5, 16.46S:177.42E, h0km, mb3.7/3, mbmp3.7/3, MS3.6/25, Error ellipse: s-maj=37.0km s-min=22.9km az=52.0, Fiji Islands

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MSVF Nonavsu, DZM Mont Dzamae, RAO Raoul Island, HNR Honiara, HRZ Urewera, RAR Rarotonga, CTA Charters Tower, PMG Port Moresby, PPT Papete, STKA Stephens Creek, JAY Jayapura, WRA Warrungarra Arr, ASAR Alice Springs, GUMO Guam, FITZ Fitzroy Crossi, BAV Baumata, DAV Davao City (W), VNDA Vanda, MJAR Matsushiro Arr, JNU Nakatsue, RPNI Rapa Nui, ASAJ Asahikawa, KSRS Korea Arr, KDAK Kodiak Island, PFO Pinyon Flats O, ILAR Eielson Array, ILAR

IDC 13 07:47:03.9: 1.8, 28.16N:100.56E, h0km, mb3.3/4, mbmp3.4/4, Error ellipse: s-maj=76.9km s-min=28.0km az=60.0, Sichuan

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SONM Songoing Array, MKAR Makanchi Arra, KURBB Kurchatov Arra, WRA Warrungarra Arr, ILAR

MIRAS 13 07:52:33.0, 59.29N-57.51E, h0km, ML1.9/3, Ural Mountains region

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PR1R Pomanovo, PR1R Pomanovo, PR1R Pomanovo, PR6R Ekimiyata, PR6R Ekimiyata, SVUR Severouralsk, SVUR Severouralsk, PR4R Vlyasy, PR4R Vlyasy, PR3R Kungur, PR3R Kungur

ATH 13 07:56:53.5, 37°52'N-20°66'E, h9km, 3km, ML2.5/4, Error ellipse: s-maj=3.9km s-min=1.0km az=39.0

THE 13 07:56:55.2, 37°52'N-20°76'E, h9km, 4km, ML2.5/4, Error ellipse: s-maj=7.1km s-min=1.7km az=62.0

ISC 13 07:56:53.4±1.6, 37.53°N±0.06, 20.69°E±0.06, h12km, 7km, n22, c0.47/34, Ionian Sea

Table with columns: Code, Station Name, Az, Az2, Phase, ID, ISC, Time, Res, ISC. Rows include stations like KERI, Lithakia, Orthonies, Zaky, etc.

LDG 13 07:58:25.8±0.9, 37°62'N±1.67W, h5km, MI3.4/1, Error ellipse: s-maj=999.9km s-min=999.9km az=99.0

SFS 13 07:58:27.8, 37°68'N±1.71W, h4km, ML3.7/19, MLV3.5/19, INMG 13 07:58:27.7±1.1, 37°68'N±1.76W, h0km, ML3.1, Error ellipse: s-maj=1.5km s-min=1.4km az=76.0

IGIL 13 07:58:27.8, 37°68'N±1.74W, h1km, MDD 13 07:58:27.9±0.2, 37°68'N±1.74W, h1km±2km, mb_Lg3.5/30, Error ellipse: s-maj=1.8km s-min=1.5km az=157.0

CNRM 13 07:58:37.2, 36°39'N±0.92W, h10km, ML3.0, ISC 13 07:58:26.6±0.8, 37.64°N±0.02, 1.70°W±0.02, h11km±4km, n89, c1923/159, 2D, Spain

Table with columns: Code, Station Name, Az, Az2, Phase, ID, ISC, Time, Res, ISC. Rows include stations like Lorca, Murcia, Zarzadilla de, Alhama, Murcia, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, ISC, Time, Res, ISC. Rows include stations like Sonseca Array, Ibiz, San Pablo, Universidad Co, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, ISC, Time, Res, ISC. Rows include stations like Pleasant Camp, Windy Craggy, Skagway, Mendhall, Haines Junction, etc.

IDC 13 08:06:14.9±3.5, 55°62'N-86°03'E, h0km, mbtmp2.7/2, ML2.4/2, Error ellipse: s-maj=30.7km s-min=26.6km az=49.0, Southwestern Siberia

PRE 13 08:10:55.6±0.7, 28°18'S-23°24'E, h0km, ML2.1, Explosion, South Africa

ANF 13 08:08:21.1±0.2, 59.92°N±136.76°W, h7km±1km, ML3.5/27, Error ellipse: s-maj=1.4km s-min=1.1km az=54.0, Southeastern Alaska

13d 9h

Table with columns for station name, location, elevation, frequency, and other technical details. Includes stations like GDSB La Desirade Is, SAML Samuel, MTO3 Montecristo, etc.

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Table with columns for station name, location, elevation, frequency, and other technical details. Includes stations like JFWS Jewell Farm, CAMB1 Campos-Alto, PLTB Pedras Altas, etc.

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Table with columns for station name, location, elevation, frequency, and other technical details. Includes stations like C36M Paulatuk, M31M Drury Creek, O30N Mendenhall, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MNAS Manas, ARK Arkit, BTLS Baital, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PB15 IPOC Station P, GO02 Mina Guanaco, etc.

SJA 13 09:53:55.2-0.7, 31.64S:69.96W, h128km, 3km, ML3.5, MW3.6

GUC 13 09:53:56.5-0.8, 31.67S:70.22W, h139km, 3km, ML3.8

ISC 13 09:53:55.9-1.4, 31.66S:0.03:70.01W, 0.03, h128km, 9km, n56, c094/92, 4C-11D, Chile-Argentina border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RTLS Leoncito, CO04 Los Peladeros, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CO03 El Pedregal, DOCA Reserva Natura, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VA03 San Esteban, RTVC Cerro Valdivia, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DOCA Zonda, VA03 San Esteban, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RTVC Cerro Valdivia, ACCO Cerro Coronel, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RTLL Cerro Villicun, PEL Peldehue, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PEL Peldehue, GO04 Tololo Observa, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GO04 Tololo Observa, CO01 Juntas del Tor, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MT12, LMEL Las Melosas, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BO04 La Puntita, AVFE Valle Fertil, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VA05 Santo Domingo, MT01 Popeta, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AGUA GUANDACOL, LCO Las Campanas, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AC05 El Transito, BO01 Tunca, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BO01 Tunca, ACHE Chepes, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BO02 Sierra Bellavi, APLL PUNTA DE LOS L, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ACCL CERRO LA CRUZ, RMF Romuavaara, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KU1 Kurvinen, KU6 Riekkii, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KU6 Riekkii, MSF Maaselka, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MSF Maaselka, MSF Taivalkoski, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MSF Taivalkoski, OULK Oulanka, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like UMAU Umeaa, UMAU Umeaa, etc.

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

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

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

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

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

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

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

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

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

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

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

VIE 13 10:00:10.6±1.2, 46.75N×15.98E, h0km, m11.6/5, Error ellipse: s-maj=8.3km s-min=3.0km az=129.0, Suspected

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ARSA Arzberg, SOKA Soboth, etc.

KRSZO 13 10:01:07.5, 45.85N-18.40E, h0km, ML1.1/3, Explosion. GT info: GT2 explosion description: known quarry blast locality: Nagyharsny Hungary, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KOVH Kovagotottos, MORH Mrgy, Hungary, etc.

MDD 13 10:14:23.1±0.4, 37.90N×1.22W, h0km, 5km, mb_Lg2.7/14, Error ellipse: s-maj=2.7km s-min=2.1km az=79.0

SFS 13 10:14:23.6, 37.84N×1.23W, h2km, ML2.6/6, ML3.0/6, MW2.4/6

ISC 13 10:14:23.0-0.9, 37.87N×0.03×1.23W±0.03, h6km, 5km, n22, c092/42, 1D, Spain

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EMUR La Murta, EXAHM Alhama Murcia, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EXAHM Alhama Murcia, EXTPC Torre Pacheco, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EXAHM Alhama Murcia, EXMAZ Mazarron, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EXAHM Alhama Murcia, EXMAZ Mazarron, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EXAHM Alhama Murcia, EXMAZ Mazarron, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EXAHM Alhama Murcia, EXMAZ Mazarron, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EXAHM Alhama Murcia, EXMAZ Mazarron, etc.

LVSN 13 10:18:37.4-5.2, 58°11N:22°9E, h0km, 31km, ML1.6

HEL 13 10:18:34.0-0.4, 60.34N:29.18E, h0km, ML1.5, Suspected explosion, Baltic States-Belarus-Northwestern Russia

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

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

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

Table with columns: KEF, Keuruu, 2.40 303, PG, Pn, 10 19 16.7 +1.7, 10 19 45.4, comp=Z,1.3nm,0.2s, METSAHOVI, 2.47 255, SG, S, 10 19 49.1 +0.5, 10 19 16.0 +0.1, 10 19 53.2, 10 19 53.2, 10 20 06.3, 10 20 07.4, 10 19 16.2 +0.4, 10 19 47.5, 2.54 346, PG, Pb, 10 19 20.7 -0.1, 10 19 52.2 -0.4, 10 19 34.5 -3.3, 10 20 07.4 -7.5, 10 20 12.8, 10 20 16.1, 10 20 22.7, 3.62 275, PB, Pn, 10 19 35.6 -3.5, 10 19 51.8 -1.0

IDC 13 10:47:15.1±0.6,81N:72.95W,h160km,8km,mb2.8/3, mbtmp3.6/6, Error ellipse: s-maj=29.3km s-min=7.7km az=131.0

RSNC 13 10:47:16.0±0.7,71N:17.3W,h143km,2km,M3.3,ML3.0

ISC 13 10:47:14.5±0.8,686N:0.03:73.13W,0.04,h150km,6km, n44,+c125/79,mb3.2/3,Northern Colombia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, BARC, Barichara, 0.28 192, Op, Pn, 10 47 35.6 +0.2, 10 47 50.9 +0.4, 10 47 37.4 +0.6, 10 47 54.1 +0.7, 10 47 38.3 +1.0, 10 47 55.5 +0.9, 10 47 39.7 0.0, 10 47 57.6 -1.2, 10 47 42.9 -0.5, 10 48 02.7 -1.6, 10 47 43.8 +0.7, 10 48 04.3 -0.7, 10 47 44.0 +0.9, 10 48 05.3 +0.0, 10 47 44.4 0.0, 10 48 06.2 -1.4, 10 47 48.3 +0.5, 10 48 12.6 -0.6, 10 47 51.6 -0.1, 10 48 19.4 -0.9, 10 47 53.9 +0.2, 10 48 23.4 -0.4, 10 47 55.6 +1.5, 10 48 27.4 +2.8, 10 47 55.7 +1.5, 10 48 26.5 +2.0, 10 47 56.0 -0.3, 10 48 05.0 -2.2, 10 48 00.4 +1.0, 10 48 35.0 +1.1, 10 47 59.3 -0.2, 10 48 33.8 -0.4, 10 48 03.7 +1.1, 10 48 19.4 -0.9, 10 48 03.3 +0.4, 10 48 38.5 -1.7, 10 48 06.6 +2.4, 10 48 44.2 +1.5, 10 48 05.3 +0.8, 10 48 42.2 -0.8, 10 48 04.9 +0.4, 10 48 42.5 -0.6, 10 48 06.7 +1.0, 10 48 45.8 +0.6, 10 48 09.5 +0.2, 10 48 50.0 +0.2, 10 48 09.0 -0.5, 10 48 51.1 -1.1, 10 48 11.1 +1.2, 10 48 54.9 +2.0, 10 48 09.6 -0.6, 10 48 50.9 -2.4, 10 48 17.2 +0.6, 10 48 55.8 +0.8, 10 48 12.6 +0.2, 10 48 57.0 -0.3, 10 48 16.0 -0.7, 10 49 02.6 -2.5, 10 48 18.9 0.0, 10 49 08.7 -0.2, 10 48 21.1 -0.9, 10 48 22.9 -0.6, 10 48 23.0 -1.7, 10 49 16.0 -3.3, 10 48 25.9 -1.2, 10 49 22.3 -1.5, 10 48 31.0 +2.2, 10 48 30.5 -0.6, 10 49 27.6 -3.1, 10 48 38.9 -0.1, 10 49 44.5 -0.5, 10 48 46.7 +0.8, 10 49 56.4 -0.9, 10 49 20.0 -1.6, 10 54 06.5 +1.4, 10 55 34.0 +0.1, 10 57 27.0 +0.5, 11 06 44.7 -1.4, 11 06 47.8 -1.3

AUST 13 10:58:24.6±0.7,34°S:2'x117°E,h2km,2km,ML0.6/2, Error ellipse: s-maj=4.4km s-min=3.8km az=168.0, Western Australia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, LMO1, Lskr Muir 01, 0.04 23, Op, Pn, 10 58 26.1 +0.2

Table with columns: LMO2, Lake Muir 02, 0.13 240, P, S, Pg, 10 58 27.5 +0.5, 10 58 29.1 +0.3, 10 58 27.5 +0.3, 10 58 29.4 +0.3, 10 58 27.7 +0.4, 10 58 29.3 +0.3, 10 58 29.6 +0.3, 10 58 32.8 +0.3, AUSTRALIA 13 10:58:56.2±0.7,34°S:2'x117°E,h3km,2km,ML0.5/5, Error ellipse: s-maj=4.5km s-min=3.8km az=167.9, Western Australia

SJA 13 11:03:46.5±0.7,28°22'S:69°28'W,h122km,5km,ML3.0, MW3.1

GUC 13 11:03:48.3±0.7,28°24'S:69°49'W,h126km,5km,ML3.0

ISC 13 11:03:46.9±1.5,28°23'S:0.04:69°33'W,0.04,h122km,12km,n25,+c109/43,3C,Chile-Argentina border region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, G003, Copiapo, 1.02 308, Op, Pn, 11 04 09.7 +0.3, 11 04 25.8 -0.5, 11 04 26.9, 11 04 09.7 +0.3, 11 04 26.2 -0.2, 11 04 09.7 +0.1, 11 04 25.8 -0.9, 11 04 26.8, 11 04 11.0 +0.6, 11 04 11.0 +0.6, 11 04 28.4 +0.2, 11 04 30.0, 11 04 12.3 +0.5, 11 04 30.1 -0.5, 11 04 31.2, 11 04 14.2 +0.2, 11 04 33.7 +0.9, 11 04 14.6 +0.5, 11 04 34.6 -0.1, 11 04 35.8, 11 04 15.0 +0.1, 11 04 35.2 -1.0, 11 04 36.3, 11 04 20.3 +1.2, 11 04 33.7 +0.5, 11 04 24.6 -0.2, 11 04 52.2 -1.6, 11 04 26.2 +1.2, 11 05 00.4, 11 04 26.8 +1.5, 11 04 56.5 +1.7, 11 04 26.2 +0.5, 11 04 55.1 -0.4, 11 04 55.9, 11 04 31.6 +0.1, 11 05 05.3 -0.6, 11 05 06.2, 11 04 32.7 +0.4, 11 05 06.8 -0.5, 11 05 07.2, 11 04 36.5 +2.1, 11 04 35.2 +0.4, 11 05 10.5 -1.3, 11 05 11.2, 11 04 34.5 +0.9, 11 05 18.3 +2.6, 11 05 12.8 -0.5, 11 04 37.0 +0.2, 11 05 14.1 -1.2, 11 04 39.5 -2.6, 11 04 44.3 +1.3, 11 04 43.7 +0.7, 11 05 24.5 -2.0, 11 04 45.5 +1.2, 11 05 42.5 +1.4, 11 05 27.5 +1.6, 11 05 26.6, h0km,MLV3.2/7, Southeast of Loyalty Islands

NOU 13 11:06:26.8±2.1,84°S:169°26'E,h0km,MLV3.2/7, Southeast of Loyalty Islands

IDC 13 11:06:27.2±2.5,20°71'S:168°76'E,h0km,mb3.5/3, mbtmp3.5/4,ML3.0/1,MS3.2/1, Error ellipse: s-maj=122.1km s-min=28.1km az=149.0

ISC 13 11:06:30.1±1.6,21°7'S:0.2:169°2E,0.1,h2km,n12, c=070/12,mb3.5/3,Southeast of Loyalty Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, MARC, Mare, Loyalty, 1.14 283, Op, Pn, 11 06 49.2 +0.9, 11 07 05.3 +0.5, 11 07 03.7 -0.9, 11 07 06.9 +0.6, 11 07 10.1 -0.3, 11 07 41.5 +0.4, 11 07 10.0 -0.4, 11 07 10.9 +0.2, 11 07 40.9 +1.0, 11 12 05.6, 11 12 59.0 -0.3, 11 12 58.9 -0.7, 11 19 29.8 +0.4, 11 11:51:4.4, 42°80'S:173°13'E,h26km,MLV3.9/19, South Island, New Zealand

WEL 13 11:11:51.0±0.3,43°S:2'x17°3E,h13km,3km,M3.5/18, ML3.8/18,MLV3.5/18, Error ellipse: s-maj=3.9km s-min=2.5km az=129.0, confirmed

ISC 13 11:11:51.0±0.4,42°68'S:0.02:172°94'E,0.1,h2km,n12, c=123,+c111/38,South Island

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, WTMC, Te Mara Farm W, 0.10 55, Op, Pn, 11 11 57.9 +0.6, 11 11 54.6 -0.6, 11 11 57.4 -0.6, 11 11 57.2 +0.6, 11 12 02.6 +0.9, 11 12 02.5 -1.2, 11 12 02.5 -1.6, 11 11 59.3 +1.2, 11 12 02.5 +2.3, 11 11 59.3 +0.6, 11 12 01.4 -0.2

Table with columns: LTZ, Kahutara, 0.52 60, P, S, 11 12 08.4 -0.4, 11 12 02.2 +0.4, 11 12 09.9 +0.8, 11 12 02.2 +0.4, 11 12 04.1 +6.5, 11 12 03.8 +0.6, 11 12 13.2 +0.1, 11 12 04.8 -0.3, 11 12 14.8 +0.1, 11 12 08.0 -0.7, 11 12 18.7 -2.1, 11 12 02.3 +0.6, 11 12 22.1 -0.5, 11 12 10.1 +0.1, 11 12 10.5 -0.4, 11 12 24.9 +0.4, 11 12 03.6 +0.6, 11 12 11.9 -0.1, 11 12 13.9 -0.1, 11 12 13.1 +1.6, 11 12 13.0 -0.3, 11 12 29.5 +0.2, 11 12 19.3 -0.2, 11 12 29.9 +0.1, 11 12 14.3 -0.2, 11 12 29.8 -0.7, 11 12 14.5 -0.0, 11 12 14.5 -0.5, 11 12 03.8 -0.3, 11 12 17.7 -0.1, 11 12 17.1 -0.3, 11 12 17.8 +0.4, 11 12 20.1 +0.6, 11 12 13.1 +0.2, 11 12 20.2 -0.3, 11 12 20.3 -0.3, 11 12 42.2 -0.2, 11 12 21.6 +0.3, 11 12 12.1 -0.5, 11 12 23.4 +0.7, 11 12 48.4 +2.3, 11 12 23.0 +0.1, 11 12 23.1 -0.2, 11 12 23.8 +0.2, 11 12 23.9 +0.3, 11 12 25.2 +0.6, 11 12 24.4 -0.6, 11 12 25.6 -0.6, 11 12 26.8 -0.4, 11 12 27.2 -0.8, 11 12 29.2 -0.8, 11 12 29.3 -0.8, 11 12 29.7 -0.8, 11 12 31.0 -0.2, 11 12 31.2 -0.2, 11 12 32.8 -0.2, 11 12 32.8 -0.2, 11 12 31.1 -1.0, 11 12 35.0 -0.7, 11 12 35.9 -0.6, 11 12 35.8 -0.6, 11 12 35.9 -0.6, 11 12 35.8 -1.1, 11 12 39.6 +0.9, 11 12 38.5 -1.1, 11 12 38.9 -0.9, 11 12 38.2 -0.9, 11 12 38.8 -1.8, 11 13 16.2 -2.1, 11 12 40.4 +1.7, 11 12 42.6 -0.2, 11 12 42.5 -0.2, 11 12 45.9 +1.0, 11 12 45.4 +2.6, 11 12 41.9 -1.7, 11 12 46.0 +2.4, 11 12 43.1 -1.3, 11 12 47.1 +2.7, 11 12 47.2 +2.7, 11 12 47.4 +2.7, 11 12 46.9 +2.2, 11 12 46.2 -0.9, 11 12 46.5 -0.8, 11 12 46.3 -1.4, 11 12 46.2 -1.7, 11 12 51.0 +1.8, 11 12 50.8 +1.0, 11 12 50.1 -0.4, 11 12 51.4 +0.7, 11 12 51.9 +0.6, 11 12 51.9 +0.5, 11 12 52.1 -0.4, 11 12 50.2 -1.5, 11 12 52.5 +0.6, 11 12 53.1 +0.9, 11 12 52.0 -0.4, 11 12 53.1 +0.5, 11 12 53.5 +0.4, 11 12 53.6 +0.4, 11 12 53.7 +0.5, 11 12 53.8 +0.2, 11 12 54.1 +0.4, 11 12 54.1 +0.4, 11 12 54.0 +0.3, 11 12 54.3 +0.3, 11 12 51.6 -2.2, 11 12 52.3 -1.5, 11 12 56.9 -0.9, 11 12 56.6 +1.2, 11 12 54.3 -1.8, 11 12 56.5 -1.8, 11 12 56.8 +1.1, 11 12 58.5 +1.0, 11 12 55.9 -1.8, 11 12 56.2 -1.5, 11 13 01.5 -0.1, 11 13 01.5 -1.0, 11 13 02.2 -0.1, 11 13 09.2 -2.4, 11 13 40.3 +0.9, 11 11:14:34.1±1.1,3°42'S:140°64'E,h69km,19km,mb3.3/3, mbtmp3.7/5,MS3.1/1, Error ellipse: s-maj=55.4km s-min=19.0km az=94.0, ISC 13 11:14:32.9±0.9,3°55'S:0°10:140°3E,0.2,h39km,n6, c=28/10,Irian Jaya

IDC 13 11:14:34.1±1.1,3°42'S:140°64'E,h69km,19km,mb3.3/3, mbtmp3.7/5,MS3.1/1, Error ellipse: s-maj=55.4km s-min=19.0km az=94.0

ISC 13 11:14:32.9±0.9,3°55'S:0°10:140°3E,0.2,h39km,n6, c=28/10,Irian Jaya

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, JAY, Jayapura, 1.10 22, P, S, 11 14 52.3 +0.4, 11 15 04.7 -1.3, 11 15 34.4 +1.8, 11 21 39.4 -3.8, 11 18 32.6 -0.7, 11 19 09.8 +3.4, 11 22 49.9 -2.8, 11 19 15.4 +3.0, 11 23 04.2 +0.4, 11 29 02.0, 11 26 00.0 -1.1

SSNC 13 11:14:53.5-1.6, 19:33N:70:60W, h70km, 17km, MD2.7, ML2.8
SDD 13 11:14:56.9-2.0, 19:51N:70:74W, h19km, 16km, MD3.4, ML3.3, MW3.7
OSPL 13 11:14:57.1-3.3, 19:55N:70:75W, h14km, 9km, ML3.0
ISC 13 11:14:54.6-0.9, 19:80N:0:03:74W, 0:02, h26km, 7km, n34, c1841/52, 11C-ID, Dominican Republic region

TACV eS Sn 11 22 17.4 -4.8
BENV Beln 5.13 283 eS Pn 11 21 33.6 -1.9
BENV eS Pn 11 22 29.6 -5.2
BAUV El Baul 5.45 272 eS Pn 11 21 37.6 -2.2
BAUV eS Pn 11 22 37.2 -5.3
MAPV Macapo 5.94 280 eS Pn 11 21 44.7 +1.9
MAPV eS Pn 11 22 47.7 -6.8

IDC 13 11:34:25.8-0.9, 40:54N:140:79E, h0km, mb3.8/7, mbmp3.7/9, ML3.6/2, MS3.8/1, Error ellipse: s-maj=26.2km s-min=16.6km az=87.0

JMA 13 11:34:36.5-0.1, 40:80N:0:3:141:3E:0:7, h93km, MV3.3/38, SHIMOKITA PENINSULA REG
NEIC 13 11:34:37.2-2.0, 40:83N:0:08:141:2E:0:2, h91km, 4km, mb4-2/8, Error ellipse: s-maj=19.6km s-min=7.4km az=121.0

ISC 13 11:34:36.7-0.7, 40:80N:0:03:141:29E:0:06, h91km, 5km, n43, c1521/53, mb3.9/11, Near east coast of eastern Honshu

JTM Tenmabayashi 0.17 267 Op Pn 11 34 49.6 0.0
JTM Tenmabayashi 0.17 267 Pn Pn 11 34 49.6 0.0
JARK Aomorirokkasho 0.22 14 P Pn 11 34 49.9 +0.1
JARK JARK Nango 0.46 158 P Pn 11 34 51.1 -0.1
JANG JANG Ohata 0.61 342 P Pn 11 35 01.8 -0.2
JOT JOT S S 11 35 52.5 0.0

AKTO Aktyubinsk 3.62 238 Op Pn 11 57 10.0 -2.1
AKTO 1.6nm, 0.8s Ullg Lg 11 57 58.3
AKTO 4.7nm, 0.7s I 12 16 20.0

AB31 Akbulak array 3.67 211 Pn 11 57 02.6 +1.8
AB31 0.6nm, 0.6s, baz=27, slow=13, SNR=20 P 11 57 10.2 -2.9
AB31 0.5nm, 0.3s, baz=23, slow=15, SNR=15 Lg 11 57 59.9

BRVK Borovoye 4.57 79 P Pn 11 57 27.8 -2.5
BRVK 2.0nm, 0.7s Ullg Sn 11 58 06.8 0.0
BRVK 0.4nm, 0.3s Ullg Sn 11 58 28.8 +1.9

BVA0 4.1nm, 0.5s BVA0 Borovoye Array 4.63 80 P Pn 11 57 14.8 +0.9
BVA0 5.5nm, 1.8s, baz=270, slow=11, SNR=16 P 11 57 29.4 -2.0
BVA0 1.5nm, 0.6s, baz=279, slow=11, SNR=5.2 Ullg Lg 11 58 30.6

BVAR Borovoye Array 4.63 80 Pn 11 57 15.5 +1.6
BVAR 0.1nm, 0.3s, baz=269, slow=12, SNR=11 Sn 11 58 08.3 0.0
BVAR 0.1nm, 0.3s, baz=264, slow=39, SNR=3.6 Lg 11 58 28.0

KURBB Kurchatov Arra 9.95 94 Pn 11 58 28.8 +1.9
KURBB 2.92, slow=14, SNR=1.7 P 11 58 31.1 +0.0
KURBB 0.3nm, 0.6s P 11 58 31.1 +0.0

I46RU Zalesovo INFR13.26 75 I I 13 11 50.0
FINES FINESS Array B 21.71 309 P 12 00 55.4 +0.3
FINES 1.7nm, 0.7s, baz=93, slow=11, SNR=5.5 12 00 55.4 +0.3

IDC 13 11:56:58.8-2.5, 4:67S:125:34E, h455km, 38km, mb2.8/6, mbmp3.7/10, Error ellipse: s-maj=52.6km s-min=17.5km az=57.0

ISC 13 11:56:57.8-0.9, 4:60S:109:125:5E:0:2, h441km, n110, c1909/11, mb3.4/5, Banda Sea

KAPI Kappang 5.74 266 P Pn 11 58 30.1 +0.9
KAPI 7.7nm, 0.4s, baz=96, slow=12, SNR=5.0 P 11 58 31.3 +1.0
BATI Baunata 5.86 198 P 11 59 43.9 -2.0
BATI 39nm, 0.5s, baz=335, slow=1.6, SNR=5.6 P 11 59 43.9 -2.0

FITZ Fitzroy Crossi 13.41 179 P 11 59 52.7 +0.6
FITZ 9.3nm, 0.4s, baz=12, slow=14, SNR=1.0 P 11 59 52.7 +0.6
WRA Warramunga Arr 17.51 151 P P 12 00 36.4 +0.5
WRA 0.4nm, 0.6s, baz=333, slow=10, SNR=5.7 P 12 01 06.4 +1.0

ASAR Alice Springs 20.61 158 P 12 05 02.4 +0.3
ASAR 0.2nm, 0.6s, baz=341, slow=8.9, SNR=4.4 P 12 05 02.4 +0.3
USRK Ussuriysk Ar. 48.93 6 P P 12 05 45.4 +0.3
USRK 0.8nm, 0.5s, baz=186, slow=7.0, SNR=1.8 P 12 05 45.4 +0.3

SONM Songo Arra 54.85 344 P 12 05 45.4 +0.3
SONM 0.3nm, 0.6s, baz=209, slow=2.6, SNR=2.5 P 12 05 45.4 +0.3
MKAR Makanchi Array 63.81 328 P 12 06 45.0 -0.5
MKAR 0.9nm, 0.8s, baz=131, slow=8.6, SNR=8.4 P 12 06 45.0 -0.5

KURBB Kurchatov Arra 66.17 330 P 12 07 12.2 -0.4
KURBB 0.7nm, 0.7s, baz=139, slow=5.7, SNR=7.0 P 12 07 12.2 -0.4
ELSON Elison Array 93.11 25 P 12 09 21.9 -1.2
ELSON 0.2nm, 0.8s, baz=241, slow=4.5, SNR=4.7 P 12 09 21.9 -1.2

IDC 13 12:14:40.5-1.0, 9:97S:74:56W, h0km, mb3.6/5, mbmp3.6/9, ML3.6/4, MS3.0/2, Error ellipse: s-maj=26.4km s-min=15.0km az=37.0

ISC 13 12:14:45.2-0.7, 10:03S:08:74:50W:0:08, h35km, n11, c1510/13, mb3.5/5, Central Peru

NNA Nana 3.01 230 Pn Pn 12 15 29.2 -1.3
NNA 37nm, 0.3s, baz=62, slow=9.6, SNR=44 Sn 12 16 06.5 +1.0

ATAH Atahualpa 4.81 306 Pn Pn 12 15 54.0 -1.5
ATAH 2.5nm, 0.3s, baz=114, slow=4.3, SNR=21 Sn 12 16 52.2 +1.9
ATAH 4.9nm, 0.3s, baz=109, slow=18, SNR=4.1 Lg 12 17 10.7

ATAH 7.1nm, 0.3s, baz=197, slow=6.1, SNR=6.5 Lg 12 17 10.7
LPAZ La Paz 8.78 136 Pn Pn 12 16 50.8 +0.5
LPAZ 0.2nm, 0.3s, baz=323, slow=10, SNR=2.4 Lg 12 19 24.3

LPAZ 1.2nm, 0.3s, baz=228, slow=16, SNR=5.9 LR 12 21 18.7
LPAZ 0.3nm, 0.3s, baz=18.1s, baz=348, slow=45 P 12 21 18.7
SIV Sigtuancio 14.36 116 Pn Pn 12 18 05.0 -1.1
SIV 67nm, 0.3s, baz=286, slow=18, SNR=13 Sn 12 20 44.7 +0.5

KRSC 13 11:18:31.9-2.3, 48:33N:157:13E, h41km, 47km, MI3.8, East of Kuril Islands

Code Station Name Δ° AZ° Phase ID Time Res
SKR Severo-Kuril's 2.45 345 eS Sn 11 19 40.3 +2.3
PAU Pauzhetka 3.15 356 eS Sn 11 19 58.4 +3.2
KDR Khodutka, Kamc 3.54 10 eS Sn 11 20 10.9 +6.1

FUNV 13 11:20:18.7, 8:31N:62:53W, h12km, MW3.6, 3C, Venezuela

Code Station Name Δ° AZ° Phase ID Time Res
PCRV Puerto La Cruz 2.48 303 P Pn 11 21 26.6 -2.7
LUEP Luepa 3.13 160 P Pn 11 21 07.2 -0.8
LUEV Luepa 5.05 11 eS Pn 11 21 42.9 -2.6

SJA 13 11:52:54.0-0.6, 24:30S:67:18W, h199km, 5km, ML3.2, MW3.5

GUC 13 11:52:56.1-0.5, 24:30S:67:22W, h181km, 6km, ML3.6, h208km, 15km, n26, c19149/30, Chile-Argentina border region

Code Station Name Δ° AZ° Phase ID Time Res
SLA San Lorenzo 1.59 105 eS Pn 11 53 29.1 +0.6
SLA San Lorenzo 1.59 105 eS Pn 11 53 29.1 +0.6
AF01 San Pedro de A 1.64 326 eS Pn 11 53 44.5 +1.5

PCRV Puerto La Cruz 2.34 26 LR 12 28 33.1
TXAR Lajas Array 48.20 325 P 12 23 23.1 +0.5
PDAR Pinedale Array 61.54 331 P 12 24 58.2 -0.9

ULM Lac du Bonnet 62.86 345 P 12 25 07.4 -0.1
ULM 1.7nm, 0.7s, baz=193, slow=2.2, SNR=3.5 P 12 25 07.4 -0.1
DBIC Dimbokro 71.31 79 P 12 26 02.8 +0.8

YKA Yellowknife Ar 78.67 342 P 12 26 43.8 +0.5
PCRV 0.2nm, 0.3s, baz=22, slow=22, SNR=8.3 Lg 12 28 33.1
PCRV 0.7nm, 0.4s LR 12 28 33.1

TXAR 0.3nm, 0.5s, baz=141, slow=9.4, SNR=2.9 P 12 23 23.1 +0.5
PDAR 0.1nm, 0.4s P 12 24 58.2 -0.9
ULM 1.0nm, 0.4s, baz=268, slow=7.1, SNR=1.3 P 12 25 07.4 -0.1

YKA 0.1nm, 0.4s P 12 26 43.8 +0.5
PCRV 0.2nm, 0.3s, baz=22, slow=22, SNR=8.3 Lg 12 28 33.1
TXAR 0.3nm, 0.5s, baz=141, slow=9.4, SNR=2.9 P 12 23 23.1 +0.5

ULM 1.0nm, 0.4s, baz=268, slow=7.1, SNR=1.3 P 12 25 07.4 -0.1
YKA 0.1nm, 0.4s P 12 26 43.8 +0.5

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like BATI, PSA00, PSA00, MBWA, MIEEK, SANI, KLEBR, NWA0, BLDU, MORW, WBSI, LUWI, BKSI, TAOE, KAPI, APSI, PLA1, SPSI, MRSI, DAV, PCI, TOL2, VVDA, VVDA, VVDA, SBA, SBA, CASY, KKM, KPJI, STKI, SBUM, LEM, KSM, DBJ, KASI, INU, MAJ0, MAJ0, MAJ0, MAJ0, MJB9, MDSI, JNU, QSPA, QSPA, ASAJ, TJN, KSR5, NJ2, YSS, YSS, YSS, YSS, YSS, PSI, PSTR, RPN, USRK, USRK, USA0B, USA0B, USA0B, UGL, DL2, PETK, PETK, MDJ, MDJ, MDJ, MDJ, MDJ, TIA, TIA, TYV, TYV.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like TYV, MAW, MAW, CN2, CN2, BNX, BNX, ENH, LYN, HNS, HNS, UNV, PHFA, PHFA, BJI, BJI, CMAR, KMI, KMI, BELA, CHTO, CHTO, XAN, XAN, HEH, HEH, PZH, PZH, XLT, XLT, SMAI, SMAI, CD2, CD2, HHC, HHC, HHC, MA2, BTO, BTO, BTO, BTO, BTO, HIA, HIA, ZEA, ZEA, ZEA, ZEA, ELIB, LZH, LZH, LZH, SEY, SEY, TROLL, NVL, SNA, SNA, SNA, SNA, VNA3, VNA2, VNA1, GTA, GTA, ULN, ULN, ULN, ULN, SONM, SONM, YBH, YBH, YAK, YAK, VTX, BILL, BILL, BILL, YUH, PFO, PFO, PFO, GSC.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like NVAR, NVAR, NVAR, GRAC, LPIG, NV11, J05D, PALK, PINE, PINE, 113A, BBB, HSG, WVOR, ZAK, ZAK, I07A, E19K, Y14A, ILAR, TUC, TUC, TUC, ELK, X16A, E21K, U15A, E22K, I26K, I26K, MOY, MOY, WUAZ, DLBC, EGAK, EGAK, E23K, B21K, D23K, C23K, NEW, C24K, PLCA, TIXI, D27M, ANMO, G31M, TXAR, PDAR, PDAR, PDAR, WMQ, YKA, MKAR, MKAR, MKAR, ZALV, ZALV, KURBB, NRIK, NRIK, NRIK, BVAR, BRVK, BRVK, RES, RES, RES, ABKAR, BOSA, ARTI, ARTI, ARTI, ARTI, KIRV, KIBK, ARCES, KLMR, KLMR, KLMR, KMB0, KMB0, KMB0, BDFB, BDFB, BDFB, BDFB, RAYN, VRRH, VRRH, KKBZ, MOS, MOS, KIV, LPSR, LPSR, VSR, VSR, VORD, VORD.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like FINES, AKASG, AKAB, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like OBKA, TREB, HCY, etc.

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

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like Sabana Grande, Fuego 3, Catarina, Pacaya, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like Quartz Range, Tintock, Ohaeka, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like Warramunga Arr, Fitzroy Crossi, Alice Springs, etc.

IDC 13 14:03:06.8 1.2 22:05S:169°19'E, h0km, mb3.8/5, mbtm=3.8/6, ML3.5/1, MS3.2/1, Error ellipse: s-maj=38.1km s-min=24.5km az=176.0

NOU 13 14:03:08.2 22:09S:169°15'E, h0km, MLV3.8/9, Southeast of Loyalty Islands

ISC 13 14:03:11.4 1.2 21:9S:01°16'19"E, h31km, n16, e094/16, mb4.1/5, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like Mare, Loyalty, Mamie plateau, etc.

NOU 13 14:21:15.3 0.4 17:35E:174°35'E, h17km, MLV3.9/15, Cook Strait, New Zealand

WEL 13 14:21:15.0 0.6 42°S:2°17'E, h8km, 4km, M3.4/9, ML3.7/9, MLV3.4/9, Error ellipse: s-maj=3.4km s-min=2.7km az=87.0, confirmed

ISC 13 14:21:14.7 0.8 41:76S:002°17'22"E, h16km, 3km, n128, r131/142, Cook Strait

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like Cape Campbell, Ward Fire Stat, Seddon Fire St, etc.

IDC 13 14:26:23.2 2.4 6:26S:129°67'E, h0km, mb3.4/1, mbtm=3.2/3, ML3.1/2, Error ellipse: s-maj=156.2km s-min=32.7km az=69.0, Banda Sea

NEIC 13 14:28:19.6 2.5 22:30N:010°143'8"E, 0.2, h48km, 10km, mb4.4/21, Error ellipse: s-maj=22.6km s-min=14.1km az=86.0

IDC 13 14:28:30.7 3.0 22:26N:143°56'E, h17km, 26km, mb3.5/13, mbtm=4.0/15, Error ellipse: s-maj=22.1km s-min=15.0km az=93.0

ISC 13 14:28:25.1 0.6 22:12N:0°08'143'8"E, 0.1, h100km, n41, r171/36, mb4.2/21, Volcano Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like Warramunga Arr, Alice Springs, Makanchi Array, etc.

NEIC 13 14:28:19.6 2.5 22:30N:010°143'8"E, 0.2, h48km, 10km, mb4.4/21, Error ellipse: s-maj=22.6km s-min=14.1km az=86.0

IDC 13 14:28:30.7 3.0 22:26N:143°56'E, h17km, 26km, mb3.5/13, mbtm=4.0/15, Error ellipse: s-maj=22.1km s-min=15.0km az=93.0

ISC 13 14:28:25.1 0.6 22:12N:0°08'143'8"E, 0.1, h100km, n41, r171/36, mb4.2/21, Volcano Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like Chichijima, Inuyama, Kuroka, etc.

ATH 13 14:43:24.9 37°63'N:20°58'E, h13km, 1km, ML2.6/12, Error ellipse: s-maj=1.7km s-min=0.9km az=43.0

THE 13 14:43:25.3 37°66'N:20°67'E, h15km, ML2.6/5, Error ellipse: s-maj=2.2km s-min=0.7km az=61.0

ISC 13 14:43:24.7 1.3 37°64'N:0°04'20.61"E, 0.05, h14km, 6km, n31, r05/50/55, Ionian Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like Keri, Lithakia, Kipseli, Zakin, etc.

Table with columns: Station, Frequency, Power, and Signal Quality. Includes stations like ZEA, INU, MAJO, MJAR, DAV, TOLIZ, AB31, etc.

Table with columns: Station, Frequency, Power, and Signal Quality. Includes stations like ERBR, KOPT, MARD, PETK, VORD, VORR, VSR, LPSR, KLMR, MOS, ANN, etc.

Table with columns: Station, Frequency, Power, and Signal Quality. Includes stations like ELL, RNPB, AKAS, VRI, WRI, PLO, ISR, PABE, TURR, OZUR, MLR, BUR08, DOPR, etc.

13d 15h

Table with columns for station ID, name, elevation, and other data. Includes stations like NWA0 Narrogin (SRO), MTSU Mount Surprise, ZVC Zvikov, etc.

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Table with columns for station ID, name, elevation, and other data. Includes stations like C23K Ikilik River, H19K Roundabout Mou, GCSA Galena City Sc, etc.

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Table with columns for station ID, name, elevation, and other data. Includes stations like E27K Coleen River, SKT Skventna, G26K Porcupine River, etc.

Table with columns: Code, Station Name, Az, El, P, Pn, S, Smax, Time, Res. Includes stations like Mendenhall, Isortoq, Quiet Lake, Sonseca Array, etc.

ADC 13:15:39.41.5:0.6,29.59N:98.80E,h0km,mb4.1/24, mbtmp4.1/26,ML3.9/2,Error ellipse: s-maj=18.1km s-min=12.0km az=55.0

MOS 13:15:39.44.1:1.0,29.69N:98.87E,h32km,mb4.7/25, Error ellipse: s-maj=9.4km s-min=5.9km az=119.3

BUI 13:15:39.44.5:29.65N:98.87E,h10km,mb4.4/34,ML4.0/14, Ms4.5/23,Ms7.4/119

NEIC 13:15:39.45.2:2.3,29.66N:0.07-98.83E,0.08,h23km,5km, mb4.7/45,Error ellipse: s-maj=10.7km s-min=9.9km az=183.0

ISC 13:15:39.43.4:0.3,29.64N:0.03-98.75E,0.03,h10km,n162, a1999/190,mb4.5/61,I-3D,Xizang

Table with columns: Code, Station Name, Az, El, P, Pn, S, Smax, Time, Res. Includes stations like Lekhapani, PanZhiHua, ZengChong, etc.

Main table with columns: Station Name, Az, El, P, Pn, S, Smax, Time, Res. Includes stations like LSA Lhasa, SHL Shillong, SHL Shillong, etc.

Table with columns: Station Name, Az, El, P, Pn, S, Smax, Time, Res. Includes stations like FRU1, AAK Ala-Archa, AAK Ala-Archa, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Δ° AZ', Phase ID, ISC, h, m, s, ISC. Includes stations like CMAR, HHC, AKASG, NRK, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Δ° AZ', Phase ID, ISC, h, m, s, ISC. Includes stations like BOSA, YKA, WRA, ASAR, GSPA.

UPA 13 15:48:30.3-0.9, 82°27N-82.81W, h32km, gkm, ML3.9, 2C-3D, Panama-Costa border region

Table with columns: Code, Station Name, Δ° AZ', Phase ID, ISC, h, m, s, ISC. Includes stations like PTPM, PTPM, PTPM, etc.

GUC 13 15:54:40.2-0.7, 22°60S-67.94W, h180km, 8km, ML3.7

Table with columns: Code, Station Name, Δ° AZ', Phase ID, ISC, h, m, s, ISC. Includes stations like AF01, PB09, PB09, etc.

IGQ 13 16:37:51.6-0.6, 2°N, 5°79'W, h10km, M4.0/30

Table with columns: Code, Station Name, Δ° AZ', Phase ID, ISC, h, m, s, ISC. Includes stations like SNLR, RVRD, ALIT, etc.

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

UPA 13 16:38:45.9-1.2, 9°18N-82°36W, h0km, 3km, ML3.5

Table with columns: Code, Station Name, Δ° AZ', Phase ID, ISC, h, m, s, ISC. Includes stations like CN12, CN12, CN12, etc.

KOLA 13 16:43:41.0-0.4, 67°67N-34°23E, h0km, M2.3, The earthquakes of Russia in 2018.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, ISC, h, m, s, ISC. Includes stations like HEL, HEL, HEL, etc.

13d 17h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like VADS Vado, KMINF Kaamanen, RANF Ranua, etc.

NEIC 13 16:47:48.2-1.6, 41.33N-0.02-100.20W:0.03, h5km, 2km, mb_Lg3.0/38, Error ellipse: s-maj=4.2km s-min=3.0km az=121.0

IDC 13 16:47:51.1-1.9, 41.52N-100.49W, h0km, mbtp3.5/2, ML3.2/2, Error ellipse: s-maj=25.2km s-min=15.0km

ISC 13 16:47:48.2-1.0, 41.45N-100.21W:0.05, h10km, n39, c1564/31, Nebraska

Main station list for 13d 17h. Columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like K30B Basset, K30B Ogallala, BGNE Belgrade, etc.

DJA 13 16:48:48.2-0.4, 4.4S-4.12E, h197km, 4km, M3.8/12, mb4.3/12, MLV3.5/12, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BNDI Bandanaira, MASAI Masohi, AAI Ambon, etc.

RSNC 13 17:02:24.0-0.7, 1.7N-1.73W, h147km, 2km, M3.2, ML3.0 IDC 13 17:02:27.3-6.2, 6.21N-73.04W, h190km, 49km, Error ellipse: s-maj=88.4km s-min=93.2km az=135.0

ISC 13 17:02:22.6-1.1, 6.89N-103.73W:0.04, h155km, 2km, n32, c1525/62, Northern Colombia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BARC Barichara, PAMC Pamplona, BARRC Barrancabermej, etc.

2018 DEC

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TAMC San Pablo de B, SPBC Zaragoza, NORC Norcasia, etc.

IDC 13 17:05:25.2-2.8, 29.64N-51.25E, h0km, mb3.7/6, mbtp3.7/7, ML3.1/1, Error ellipse: s-maj=57.2km s-min=30.0km az=155.0

TEH 13 17:05:25.0, 29.61N-51.32E, h5km, ML3.3 ISC 13 17:05:26.5-0.7, 29.64N-0.03-51.38E:0.04, h10km, n34, c215/15, mb3.6/6, Southern Iran

Main station list for 2018 DEC. Columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KAZZ Kazeran-Fars-I, AHBU Aheron, SHI Shiraz, etc.

IDC 13 17:15:11.4-5.4, 29.61N-98.88E, h33km, 4.4km, mb3.7/12, mbtp3.8/14, ML3.9/2, MS3.2/2, Error ellipse: s-maj=31.6km s-min=14.7km az=61.0

ISC 13 17:15:08.5-0.8, 29.79N-101.98E:0.2, h10km, n15, c191/14, mb3.9/12, Xizang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CMAR Chiang Mai Arr, CMAR Borovoye Array, ZALV Zalesovo Beam, etc.

900

Main station list for 900. Columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like HFS Hagfors, ASAR Alice Springs, NOA NORSAR Array B, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include ZALV Zalesovo Beam, KURBB Kurchatov Arra, KURK Kurchatov, BVAR Borovoye Array, BRVK Borovoye, ABKAR Akbulak array, etc.

DSN 13 17:29:59.1+1.2, 28.62N-57.23E, h10km, ML3.1/8, Error ellipse: s-maj=15.7km s-min=8.9km az=68.0
IDC 13 17:29:59.6+3.2, 28.09N-57.28E, h0km, mb3.6/5, mtbpm3.7/5, Error ellipse: s-maj=69.4km s-min=30.5km az=152.0

TEH 13 17:30:02.5, 28.31N-57.36E, h14km, 27km, ML3.5
SGS 13 17:30:19.0, 27.35N-56.65E, h7km, MI3.3

ISC 13 17:30:02.0+0.7, 28.30N-57.31E, h10km, n44, r193/45, mb3.7/5, Southern Iran

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include KHNJ Kahnooj, IBND Bandar-abas, KBAM BAM, GENO Geno, NGRN Negar Kerman, CHMN Cheshme madani, TVKB TV Kerman, KHGB Koh Gabri, KRMI Kerman Provinc, SHME Shamm, JASK Jask- Hormozg, BANOM Banah, ZRDN Zard Kerman, MDH Madha, ZHDN Zahedan, UOSS Minazif, UOSS Minazif, HATD Hatta, Dubai, ASHO Ashiyah, ASHO Ashiyah, IMEH Mehriz, NHDN Nethbandan, CHBR Chabahar, ASUD AI Ashush, Dub, SOHO SOHO, ALNE AI Ain, NGCH Negor - Chabah, SRVN Saravan, TPRV Parvadeh/Tabas, DSBU Dashti - Bushe, IRAM Rameshsh, KLNJ Kolanjag, HOFOF Al Hofuf, BOOSS, WANAN AI Wanan, WANAN AI Wanan, NHRD Haradh, RMAH Rumah, ROBS ROBS, RAYN Ar Rayn, BRTR Keskin Array B, BVAR Borovoye Array, AKASA Malin Array B, ZALV Zalesovo Beam, TORD Torodi Ar. Bea, etc.

IDC 13 17:38:14.6+1.3, 29.39N-98.46E, h0km, mb3.4/5, mtbpm3.4/6, ML3.4/1, MS4.2/1, Error ellipse: s-maj=72.7km s-min=20.2km az=62.0
ISC 13 17:38:16.5+1.5, 29.59N-98.78E, h10km, n7, r0536/6, mb3.4/5, Kizang

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include SONM Songoing Array, MKAR Makanchi Array, KURBB Kurchatov Arra, ZALV Zalesovo Beam, FINES FINES Array B, WRA Warramunga Arr, ASAR Alice Springs, KURBB Kurchatov Arra, etc.

IDC 13 17:42:45.8+4.6, 29.59N-98.78E, h35km, 41km, mb3.6/9, mtbpm3.8/11, ML3.9/1, MS3.0/1, Error ellipse: s-maj=32.0km s-min=15.3km az=63.0
ISC 13 17:42:46.2+0.9, 29.71N-01.988E, h10km, n11, r1502/11, mb3.7/9, Kizang

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include CMAR Chiang Mai Arr, CMAR, CMAR, CMAR, SONM Songoing Array, MKAR Makanchi Array, KSRs Korea Array, KURBB Kurchatov Arra, ZALV Zalesovo Beam, FINES FINES Array B, ARCES ARCESS Array B, WRA Warramunga Arr, ASAR Alice Springs, GERES GERESS Array B, etc.

IDC 13 17:45:23.4+2.5, 35.84N-71.80E, h89km, 64km, mb3.4/5, mtbpm3.7/6, ML3.5/1, Error ellipse: s-maj=87.4km s-min=51.1km az=134.0

NMC 13 17:45:33.8+4.2, 37.04N-70.58E, h0km, mb4.5, mpv4.0, Error ellipse: s-maj=52.6km s-min=36.1km az=89.0
ISC 13 17:45:28.2+2.5, 36.41N-02.71E, h10km, n9, r130/9, mb3.7/4, 1C-1D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include MRKS Merke, MRKS, AAK Ala-Archa, AAK, BRLS Borolday, BRLS, KK31 Karatay Array, ZALV Zalesovo Beam, FINES FINES Array B, HFS Hagfors, NOA NORSAR Array, TORD Torodi Arr, etc.

IDC 13 17:54:05.3+1.4, 1.07S-127.75E, h0km, mb3.6/4, mtbpm3.6/5, ML3.6/1, MS2.8/1, Error ellipse: s-maj=35.5km s-min=20.9km az=69.0
DJA 13 17:54:08.2+0.2, 1.5S-112.7E, h10km, M3.9/17, mb4.2/4, ML3.8/17

ISC 13 17:54:08.6+1.6, 1.18S-105.127.18E, h14km, 12km, n18, r0596/24, mb3.8/4, Himalayas

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include LBMI Labuha, SANI Sanana, NLAN Namlea, AAI Ambon, MSAI Masohi, KMSI Cibinong, SWI Sorong, BNDI Bandanaira, LUWI Luwuk, LUWI Kendari, FAKI Fak Fak, APSI Ampana, KAPI Kappang, WRA Warramunga Arr, ASAR Alice Springs, SONM Songoing Array, MKAR Makanchi Array, KURBB Kurchatov Arra, etc.

NEIC 13 17:55:43.6+0.5, 55.38S-0.09-29.3W, h10km, 1km, mb4.1/5, Error ellipse: s-maj=30.5km s-min=15.3km az=91.0

IDC 13 17:55:44.0+0.9, 55.32S-27.95W, h0km, mb4.1/5, mtbpm4.1/6, ML4.2/1, Error ellipse: s-maj=34.5km s-min=22.2km az=87.0

ISC 13 17:55:43.0+0.7, 55.33S-0.1-29.1W, h10km, n27, r148/26, mb4.2/6, 4C, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include HOPE Hope Point, VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, SNA4 Sanae, SNA4 Sanae, TROLL Troll, BELA Belgrano 2, BELA, QSPA South Pole Qui, QSPA, BOSA Boshof, VNA Vanda, VNA Vanda, LPAZ La Paz, TORD Torodi Arr, TORD Torodi Arr, YKA Yellowknife Arr, G31M Satah River, GICAR Gear Creek A, DZ7M Malcolm River, I26K Coal Creek Min, BMAR Burnt Mountain, ILAR Eielson Array, ILAR Eielson Array, G24K Hadwentic Riv, SONM Songoing Array, etc.

JMA 13 18:00:24.0+2.0, 43.2N-0.6-145.8E, h46km, 1km, MV2.5/32, OFF NEMURO PENINSULA
SKHL 13 18:00:25.2+0.8, 43.20N-145.90E, h37km, 3km, mb4.0/2

ISC 13 18:00:21.1+2.1, 43.11N-0.07-145.89E, h15km, 12km, n11, r0579/22, Hokkaido region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include NEM2 Nemuro 2, NEM2 Nemuro-Hokkai, NMR NMR, JKHN Kushirohnanak, JKHN, AKK Akkeshi, AKK Akkeshi, JAK JAK, YUK Yuzh-Kuril'sk, YUK, YUK, YUK, JNSB Nemuroshibetsu, JNSB, JNK NAKASHI, JNK, JRA Rausu, JRA, SHO Shikotan, SHO, SHO, JTKR Abashiri-Tokoy, JTKR, etc.

NOU 13 18:06:02.5, 37.18S-179.10E, h10km, MLv3.6/8, Off E. Coast of N. Island, N.Z.
WEL 13 18:06:02.0+1.0, 37.5S-177.9E, h12km, ML3.2/11, ML3.5/14, MLv3.2/11, Error ellipse: s-maj=11.3km s-min=6.2km az=102.2, confirmed

ISC 13 18:06:01.1+2.8, 37.05S-0.07-179.1E, h8km, 11km, n37, r0588/44, Off east coast of North Island

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include MXZ Matakaoa Point, MXZ, MXZ Matakaoa Point, WMGZ Waiaomatatini S, PKGZ Pakihiroa, PUZ Puketiti, HAZ Te Kaha, TWGZ Tauwharepara, TWGZ, CNZG Carnagh Statio, MWZ Matawai, URZ Urewera, URZ Urewera, SHNZ Shannon Statio, SHNZ Kokohu, MHZ Mahia Peninsul, PIZ PIZ, MTHZ Maungataniwha, NMHZ Naumati, KUZ Kuaotunu, KUZ Kuaotunu, BKZ Black Stump Fm, BKZ Black Stump Fm, BKZ Black Stump Fm, MKAZ Moumakai, WIAZ Waiheke Island, KAHZ Kahurangi, MTHZ Maitai, ETVZ Ete Tongariro, NTVZ North Tongariro, OTVZ Oturere, SNVZ South Ngaruho, MOVZ Moawhango, WICZ Waipua Caves, BFZ Birch Farm, KHEZ Kahui Hut, OUZ Omahuta, OUZ Omahuta, etc.

DJA 13 18:25:03.9+0.2, 3.5S-2.119E, h10km, M4.1/15, mb4.2/5, ML4.1/15

ISC 13 18:25:03.1+1.5, 2.82S-119.67E, h0km, mb3.4/6, mtbpm3.5/6, Error ellipse: s-maj=168.2km s-min=21.4km az=60.0

ISC 13 18:25:07.3+0.9, 3.00S-0.04-119.57E, h35km, n18, r183/22, mb3.6/6, Sulawesi

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include TTSI Tana Toraja, TTSI, SPSI Sidrap Palu, SPSI, PCI Palu, BKSI Bulukumba, BKSI, APSI Ampana, BKBI Balikpapan, KDI Kendari, LUWI Luwuk, MRSI Marisa, PLAI Plampang, TWSI Taliwang, WBSI Waikababa, Su, WRA Warramunga Arr, ASAR Alice Springs, SONM Songoing Array, MKAR Makanchi Array, ZALV Zalesovo Beam, KURBB Kurchatov Arra, etc.

MEX 13 18:27:11.1+0.4, 14.12N-92.03W, h18km, 36km, MD4.1
GCG 13 18:27:13.1+1.3, 14.40N-91.72W, h42km, 26km, MD3.5
ISC 13 18:27:09.7+0.4, 14.14N-0.1-91.97W, h10km, 12km, n17, r0518/25, 1C, Guatemala

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include SULM Suchitpequez, RTAL Retalhuleu, RTAL, THIAG Santiaguigo, THIAG, THIAG, FUG Fuego 3, HUEH Huehuetenango, HUEH, PCAC Pacaya, NBL Nalabes, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include NIBG, PCIG, CCIG, TGIG, UXUV, CMIG, PEIG, YOIG, PNIG, TXIG.

IDC 13 18:29:01.2, 1.4, 1.07N, 96.85E, h0km, mb3.5/5, mbtmp3.57, ML3.3/2, MS3.0/2, Error ellipse: s-maj=23.5km s-min=20.8km az=132.0

DJA 13 18:29:08.0, 0.4, 2.2N, 2.9E, h10km, M3.8/8, MLV3.8/8 ISC 13 18:29:07.9, 0.9, 1.23N, 0.06E, 97.12E, 0.107, h28km, n26, e165/18, mb3.5/5, Northern Sumatara

Main station list for IDC 13 18:29:01.2, 1.4, 1.07N, 96.85E, h0km, mb3.5/5. Includes stations like GSI, SSSI, PPSI, PSI, MNSI, TSI, CMAR, H0S2, H0S3, H0S1, H0W3, H0W2, H0W1, WRA, ASAR, SONM, KURBB, ZALV, H04N2, H04N1, H04N3, H04S1, H04S3, H04S2, ASF.

IDC 13 19:48:02.4, 5.5, 5.88S, 147.07E, h0km, mb3.1/1, mbtmp3.3/2, ML3.5/1, MS3.4/1, Error ellipse: s-maj=19.7km s-min=15.2km az=110.0, Eastern New Guinea region

Station list for IDC 13 19:48:02.4, 5.5, 5.88S, 147.07E, h0km, mb3.1/1. Includes stations like WRA, ASAR, DZM, TORD.

IDC 13 19:54:09.5, 2.2, 5.02S, 145.80E, h135km, 20km, mb3.9/18, mbtmp4.3/21, MS2.6/1, Error ellipse: s-maj=22.4km s-min=10.6km az=75.0

NEIC 13 19:54:10.0, 1.5, 5.01S, 0.07E, 145.76E, 0.08, h129km, 7km, mb4.6/47, Error ellipse: s-maj=11.5km s-min=9.6km az=82.0

ISC 13 19:54:09.0, 0.4, 5.04S, 0.05E, 145.82E, 0.07, h129km, n95, e1501/92, mb4.4/39, Eastern New Guinea region

Main station list for IDC 13 19:54:09.0, 0.4, 5.04S, 0.05E, 145.82E, 0.07, h129km, n95. Includes stations like MANU, PMG, RABL, COEN, FAKI, TATA, CTA, KDU, MTN, QIS, WBO, WRAB, WRA, KNRA, EIDS, ASO1, AS31, ASAR, ASAR, ASAR, SOEI, INKA, LUWI.

Main station list for 2018 DEC. Includes stations like LUWI, FITZ, OOD, ARMA, WRKA, LCRK, CWSA, STKA, BBOO, MBWA, PSAO, FORT, TOO, GIRL, NACL, SSSL, NYNB, TATO, NWAO, URZ, RTZ, TUWZ, TRW, MRZ, RPZ, KSRS, USA0, USAB, USRK, CMAR, PEAO, PETK, SONM, CASY, VVDA, SBA, MK31, MKAR, MKAR, MAZK, TIXI, ZALV, KURK, H9K, F19K, E19K, F20K, NRIK, GQSA, IL31, ILAR, ILAR, ILAR, BVAR, E23K, D23K, J25K, TOLK, F24K, C23K, C24K, YKA, TORD, DBIC.

IDC 13 20:05:15.3, 2.7, 40.33S, 176.12E, h43km, 21km, mb4.4/6, mbtmp4.5/8, ML3.6/2, MS3.2/5, Error ellipse: s-maj=30.9km s-min=14.9km az=139.0

663.00000°, λ-120.00000°. Principal axes: T 1.8846, Plg13.0000°, Azm150.0000°, N -0.2442, Plg27.0000°, Azm53.0000°, P -1.6404, Plg60.0000°, Azm264.0000°, Stations used: PXZ WAZ WHVZ OTVZ BKZ WEL

Main station list for 2018 DEC (continued). Includes stations like WDP, DVHZ, POWZ, PRWZ, PNRS, TSZ, PNBS, TRMS, ANWZ, ANWZ, BFZ, BFZ, PNHZ, PNHZ, WPHZ, MRZ, MRZ, MRZ, TIWZ, OHWZ, OHWZ, PRHZ, CPFS, CPWZ, HOWZ, WRCZ, KRHZ, PKZ, OGWZ, TMWZ, KAHZ, MTWZ, MOZ, WAZ, KWHZ, KWHZ, KIWZ, MTVZ, VNVZ, CAW, MCHZ, WHVZ, TUWZ, CKHZ, MAVZ, TRWZ, OGWZ, PAWZ, PAWZ, SNVZ, COVZ, OTVZ, ETVZ, NNVZ, MSWZ, MSWZ, BKZ, BKZ, BKZ, WTVZ, KRVZ, TRWZ, PREZ, WEL, RITZ, KATZ, PLWZ, BHW, BHW, KHEZ, KHEZ, KUTZ, NMEZ, PRRZ, KOKZ, SNZG, RTZ, RTZ, TUWZ, TUWZ, PKF, MHGZ, NBEZ, HRRZ, MUZ, CMWZ, GRRZ, HIZ, HIZ, HIZ, HSRZ, RRRZ, PRGZ, HLRZ, BSWZ, BSZ, TRWZ.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, and various station identifiers like RIGZ, UTU, NNZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, and various station identifiers like FINES, TORO, IDC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, and various station identifiers like DHRM, WUSU, MDOK, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Yuli, Changbin, Emei, Zhushan, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like YJTL, MHZO, ZPLA, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like WBO, WB2, WRA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KR11 KERI, ORTH Orthones,Zaky, KYPS Kipseli, Zakin, PSDA Pessada-Kefalo, etc.

SJA 13 23:01:38.5:0.7,23:23S:69.37W,h92km,3km,ML4.1, MW4.1
GUC 13 23:01:39.5:0.8,23:20S:69.26W,h86km,3km,ML4.3
NEIC 13 23:01:39.2:1.8,23:22S:0.04:69.24W,0.06,h94km,8km, mb4,1/1.1, Error ellipse: s-maj=8.2km s-min=5.3km

IDC 13 23:01:40.4:3.0,23:17S:68.92W,h86km,25km,mb4.0/5, mbmp4.2/9, Error ellipse: s-maj=33.9km s-min=19.6km az=110.0
VAO 13 23:01:55.9:0.7,22:41S:67.97W,h142km,7km,mb4.2
ISC 13 23:01:39.0:0.6,23:19S:0.03:69.28W,0.04,h89km,5km, n126,116/150,mb4.3,6C-5D,Northern Chile

Main table of station data for the 13d 23h period, including station names, coordinates, and various parameters.

Table of station data for the 2018 DEC period, including station names like G003 Chacalluta, AP01 AP01, AHML Horco Molle, etc.

HEF comp=Z,0.5nm,0.2s
TOF Torno 1.84 124 SG Sb
TOF comp=Z,0.7nm,0.2s
KIF Kilpisjärvi 1.87 3 PG Pb
KIF comp=Z,1.4nm,0.2s
KTK1 Kautokine 2.12 27 SG Sg
RNF Rovaniemi 2.21 102 SG Sg

UPP 13 23:07:25.8:0.1,67:18N:20:68E,h0km,ML2.5,Unknown, Sweden
Code Station Name Az Az' Phase ID Time Res ISC
DUNU Dundret 0.07 218 P Pg
MASU Masugnabyrn 0.58 61 P Sg
RATU Laukkutaspa 0.77 328 P Pp
KUA Kuravaara 0.79 350 P Pp
ERTU Ertsjaerv 0.86 136 P Pp
HEF Hetta 1.68 41 eP Pb
KIF Kilpisjärvi 1.83 1 eP Pb

IDC 13 23:21:15.8:1.6,1:24N:126:80E,h0km,mb3.6/4, mbmp3.7/5,ML3.21,MS3.5/1, Error ellipse: s-maj=19.2km s-min=19.7km az=69.0,Northern Molucca Sea
Code Station Name Az Az' Phase ID Time Res ISC
FITZ Fitzroy Crossi 19.25 183 P P
WRA Warramunga Arr 22.31 161 P
ASAR Alice Springs 25.70 165 P
ASAJ Asakikawa 44.94 16 LR
MKAR Makanchi Array 59.63 326 P
KURBB Kurbatov Arr 63.87 328 P

IDC 13 23:45:26.3:0.6,10:26S:75:41W,h0km,mb3.9/13, mbmp4.0/17,ML3.5/4,MS3.2/10, Error ellipse: s-maj=17.8km s-min=12.4km az=102.0
NEIC 13 23:45:28.4:0.8,10:26S:0.06:75:40W,0.06,h10km,2km, mb4.3/4, Error ellipse: s-maj=14.0km s-min=5.3km az=134.0
VAO 13 23:45:40.9:2.9,9:92S:74:63W,h56km,14km,mb4.0
ISC 13 23:45:30.3:0.5,10:25S:0.05:75:37W,0.06,h25km,n54, 1196/51,mb4.0/15,MS3.3/7,Central Peru

Code Station Name Az Az' Phase ID Time Res ISC
NNA Nana 2.25 220 Op Pn
NNA Nana 2.25 220 Sn Pn
NNA Nana 2.25 220 Sn Pn
NNA 51nm,0.3s,baz=32,slow=18,SNR=61
NNA 51nm,0.3s,baz=347,slow=12,SNR=6.5
NNA 147nm,0.3s,baz=319,slow=20,SNR=7.8

Code Station Name Az Az' Phase ID Time Res ISC
CZSB Cruzeiro do Su 3.63 47 Pn
ATAH Atahualpa 4.31 316 Pn
ATAH baz=140,slow=24
ATAH comp=Z,56nm,21.2s,baz=135,slow=35
COHC Cochacancy 8.65 333 Pn
ETMB Extrema 9.02 88 Pn
LPZA La Paz 9.25 131 Pn
LPZA La Paz 9.25 131 Pn
LPZA 0.4nm,0.3s,baz=221,slow=19,SNR=2.6
LPZA comp=Z,60nm,20.8s,baz=321,slow=43

Code Station Name Az Az' Phase ID Time Res ISC
PB18 Visivri 9.26 143 Pn
SAML Samuel 12.08 85 Pn
SAML Samuel 15.03 8 Pn
ROSC El Rosal 15.08 4 Pn
ROSC 1.2nm,0.3s,baz=94,slow=20,SNR=1.7
ROSC 2.5nm,0.3s,baz=212,slow=20,SNR=1.9
SIV San Ignacio 15.04 114 Pn
SIV baz=304,slow=11,SNR=4.8
SIV 0.1nm,0.3s,baz=212,slow=21,SNR=3.0

Code Station Name Az Az' Phase ID Time Res ISC
BBSD Serra de San D 15.90 117 eP P
PTLB Pontes e Lacer 16.64 110 eP Pn
PDRB Porto dos Jacs 18.35 96 eP Pn
SDV Santo Domingo 19.59 14 Pn
SDV 0.9nm,0.3s,baz=180,slow=14,SNR=1.7
SDV comp=Z,54nm,21.8s,baz=246,slow=40
SALV Santo Antonio 19.96 108 eP Pn
NPGW Novo Progresso 20.03 82 eP Pn
ITTB Itaituba 20.32 75 eP LR
PCRV Puerta La Cruz 22.93 28 LR
CPUP Villa Florida 23.38 136 P
CPUP 1.5nm,0.8s,baz=328,slow=9.2,SNR=5.2

Code Station Name Az Az' Phase ID Time Res ISC
BBSD Serra de San D 15.90 117 eP P
PTLB Pontes e Lacer 16.64 110 eP Pn
PDRB Porto dos Jacs 18.35 96 eP Pn
SDV Santo Domingo 19.59 14 Pn
SDV 0.9nm,0.3s,baz=180,slow=14,SNR=1.7
SDV comp=Z,54nm,21.8s,baz=246,slow=40
SALV Santo Antonio 19.96 108 eP Pn
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ITTB Itaituba 20.32 75 eP LR
PCRV Puerta La Cruz 22.93 28 LR
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SDV comp=Z,54nm,21.8s,baz=246,slow=40
SALV Santo Antonio 19.96 108 eP Pn
NPGW Novo Progresso 20.03 82 eP Pn
ITTB Itaituba 20.32 75 eP LR
PCRV Puerta La Cruz 22.93 28 LR
CPUP Villa Florida 23.38 136 P
CPUP 1.5nm,0.8s,baz=328,slow=9.2,SNR=5.2

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SDV 0.9nm,0.3s,baz=180,slow=14,SNR=1.7
SDV comp=Z,54nm,21.8s,baz=246,slow=40
SALV Santo Antonio 19.96 108 eP Pn
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CPUP Villa Florida 23.38 136 P
CPUP 1.5nm,0.8s,baz=328,slow=9.2,SNR=5.2

Code Station Name Az Az' Phase ID Time Res ISC
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PDRB Porto dos Jacs 18.35 96 eP Pn
SDV Santo Domingo 19.59 14 Pn
SDV 0.9nm,0.3s,baz=180,slow=14,SNR=1.7
SDV comp=Z,54nm,21.8s,baz=246,slow=40
SALV Santo Antonio 19.96 108 eP Pn
NPGW Novo Progresso 20.03 82 eP Pn
ITTB Itaituba 20.32 75 eP LR
PCRV Puerta La Cruz 22.93 28 LR
CPUP Villa Florida 23.38 136 P
CPUP 1.5nm,0.8s,baz=328,slow=9.2,SNR=5.2

Code Station Name Az Az' Phase ID Time Res ISC
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PDRB Porto dos Jacs 18.35 96 eP Pn
SDV Santo Domingo 19.59 14 Pn
SDV 0.9nm,0.3s,baz=180,slow=14,SNR=1.7
SDV comp=Z,54nm,21.8s,baz=246,slow=40
SALV Santo Antonio 19.96 108 eP Pn
NPGW Novo Progresso 20.03 82 eP Pn
ITTB Itaituba 20.32 75 eP LR
PCRV Puerta La Cruz 22.93 28 LR
CPUP Villa Florida 23.38 136 P
CPUP 1.5nm,0.8s,baz=328,slow=9.2,SNR=5.2

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PTLB Pontes e Lacer 16.64 110 eP Pn
PDRB Porto dos Jacs 18.35 96 eP Pn
SDV Santo Domingo 19.59 14 Pn
SDV 0.9nm,0.3s,baz=180,slow=14,SNR=1.7
SDV comp=Z,54nm,21.8s,baz=246,slow=40
SALV Santo Antonio 19.96 108 eP Pn
NPGW Novo Progresso 20.03 82 eP Pn
ITTB Itaituba 20.32 75 eP LR
PCRV Puerta La Cruz 22.93 28 LR
CPUP Villa Florida 23.38 136 P
CPUP 1.5nm,0.8s,baz=328,slow=9.2,SNR=5.2

Code Station Name Az Az' Phase ID Time Res ISC
BBSD Serra de San D 15.90 117 eP P
PTLB Pontes e Lacer 16.64 110 eP Pn
PDRB Porto dos Jacs 18.35 96 eP Pn
SDV Santo Domingo 19.59 14 Pn
SDV 0.9nm,0.3s,baz=180,slow=14,SNR=1.7
SDV comp=Z,54nm,21.8s,baz=246,slow=40
SALV Santo Antonio 19.96 108 eP Pn
NPGW Novo Progresso 20.03 82 eP Pn
ITTB Itaituba 20.32 75 eP LR
PCRV Puerta La Cruz 22.93 28 LR
CPUP Villa Florida 23.38 136 P
CPUP 1.5nm,0.8s,baz=328,slow=9.2,SNR=5.2

Code Station Name Az Az' Phase ID Time Res ISC
BBSD Serra de San D 15.90 117 eP P
PTLB Pontes e Lacer 16.64 110 eP Pn
PDRB Porto dos Jacs 18.35 96 eP Pn
SDV Santo Domingo 19.59 14 Pn
SDV 0.9nm,0.3s,baz=180,slow=14,SNR=1.7
SDV comp=Z,54nm,21.8s,baz=246,slow=40
SALV Santo Antonio 19.96 108 eP Pn
NPGW Novo Progresso 20.03 82 eP Pn
ITTB Itaituba 20.32 75 eP LR
PCRV Puerta La Cruz 22.93 28 LR
CPUP Villa Florida 23.38 136 P
CPUP 1.5nm,0.8s,baz=328,slow=9.2,SNR=5.2

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BBSD Serra de San D 15.90 117 eP P
PTLB Pontes e Lacer 16.64 110 eP Pn
PDRB Porto dos Jacs 18.35 96 eP Pn
SDV Santo Domingo 19.59 14 Pn
SDV 0.9nm,0.3s,baz=180,slow=14,SNR=1.7
SDV comp=Z,54nm,21.8s,baz=246,slow=40
SALV Santo Antonio 19.96 108 eP Pn
NPGW Novo Progresso 20.03 82 eP Pn
ITTB Itaituba 20.32 75 eP LR
PCRV Puerta La Cruz 22.93 28 LR
CPUP Villa Florida 23.38 136 P
CPUP 1.5nm,0.8s,baz=328,slow=9.2,SNR=5.2

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BBSD Serra de San D 15.90 117 eP P
PTLB Pontes e Lacer 16.64 110 eP Pn
PDRB Porto dos Jacs 18.35 96 eP Pn
SDV Santo Domingo 19.59 14 Pn
SDV 0.9nm,0.3s,baz=180,slow=14,SNR=1.7
SDV comp=Z,54nm,21.8s,baz=246,slow=40
SALV Santo Antonio 19.96 108 eP Pn
NPGW Novo Progresso 20.03 82 eP Pn
ITTB Itaituba 20.32 75 eP LR
PCRV Puerta La Cruz 22.93 28 LR
CPUP Villa Florida 23.38 136 P
CPUP 1.5nm,0.8s,baz=328,slow=9.2,SNR=5.2

Code Station Name Az Az' Phase ID Time Res ISC
BBSD Serra de San D 15.90 117 eP P
PTLB Pontes e Lacer 16.64 110 eP Pn
PDRB Porto dos Jacs 18.35 96 eP Pn
SDV Santo Domingo 19.59 14 Pn
SDV 0.9nm,0.3s,baz=180,slow=14,SNR=1.7
SDV comp=Z,54nm,21.8s,baz=246,slow=40
SALV Santo Antonio 19.96 108 eP Pn
NPGW Novo Progresso 20.03 82 eP Pn
ITTB Itaituba 20.32 75 eP LR
PCRV Puerta La Cruz 22.93 28 LR
CPUP Villa Florida 23.38 136 P
CPUP 1.5nm,0.8s,baz=328,slow=9.2,SNR=5.2

Code Station Name Az Az' Phase ID Time Res ISC
BBSD Serra de San D 15.90 117 eP P
PTLB Pontes e Lacer 16.64 110 eP Pn
PDRB Porto dos Jacs 18.35 96 eP Pn
SDV Santo Domingo 19.59 14 Pn
SDV 0.9nm,0.3s,baz=180,slow=14,SNR=1.7
SDV comp=Z,54nm,21.8s,baz=246,slow=40
SALV Santo Antonio 19.96 108 eP Pn
NPGW Novo Progresso 20.03 82 eP Pn
ITTB Itaituba 20.32 75 eP LR
PCRV Puerta La Cruz 22.93 28 LR
CPUP Villa Florida 23.38 136 P
CPUP 1.5nm,0.8s,baz=328,slow=9.2,SNR=5.2

Table of station data for the 906 period, including station names like HEF comp=Z,0.5nm,0.2s, TOF Torno, TOF comp=Z,0.7nm,0.2s, etc.

Table of station data for the 906 period, including station names like DUNU Dundret, MASU Masugnabyrn, RATU Laukkutaspa, etc.

Table of station data for the 906 period, including station names like FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, etc.

Table of station data for the 906 period, including station names like ASAJ Asakikawa, MKAR Makanchi Array, KURBB Kurbatov Arr, etc.

Table of station data for the 906 period, including station names like NNA Nana, NNA Nana, NNA Nana, etc.

Table of station data for the 906 period, including station names like CZSB Cruzeiro do Su, ATAH Atahualpa, ATAH baz=140,slow=24, etc.

Table of station data for the 906 period, including station names like COHC Cochacancy, ETMB Extrema, LPZA La Paz, etc.

Table of station data for the 906 period, including station names like LPZA La Paz, LPZA 0.4nm,0.3s,baz=221,slow=19,SNR=2.6, etc.

Table of station data for the 906 period, including station names like PB18 Visivri, SAML Samuel, SAML Samuel, etc.

Table of station data for the 906 period, including station names like ROSC El Rosal, ROSC 1.2nm,0.3s,baz=94,slow=20,SNR=1.7, etc.

Table of station data for the 906 period, including station names like SIV San Ignacio, SIV baz=304,slow=11,SNR=4.8, SIV 0.1nm,0.3s,baz=212,slow=21,SNR=3.0, etc.

Table with columns: RCPN, Station Name, Time, Azimuth, Elevation, Frequency, Mode, and other technical details for various radio stations.

Table with columns: Station Name, Time, Azimuth, Elevation, Frequency, Mode, and other technical details for various radio stations.

Table with columns: Station Name, Time, Azimuth, Elevation, Frequency, Mode, and other technical details for various radio stations.

14d 2h

Manual Solution by F.Xalaris First location: 2018/12/14 01:49:02. This location: 2019/03/30 16:39:19 ML Amplitudes are expressed in micrometers. All distances are expressed in degrees Latitude uncertainty: 3 km; Longitude uncertainty: 3 km

ISC 14 01:48:46.6-0.8,37.70N,0.003-2.76E,0.03,h11km,4km, n55,-0.959/80,mb3.6/8,Ionian Sea

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time h m s, Res ISC. Lists various stations like KRI1, LTHK, KYPS, etc.

ISC 14 01:51:38.2-0.4,34.30N,45.61E,h8km,2km,ML2.9 TEH 14 01:51:38.8,34.29N,45.62E,h10km,70km,ML2.8 ISC 14 01:51:39.0-1.0,34.29N,45.61E,0.04,h14km,10km, n11,-1.905/16,Iran-Iraq border region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time h m s, Res ISC. Lists stations like KGS1, IGRH, etc.

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Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time h m s, Res ISC. Lists stations like OUZ, WCZ, KUZ, etc.

NOU 14 01:58:01.1,37.79S,-176.74E,h172km,MLV4.2/12, North Island, New Zealand WEL 14 01:58:03.8,0.7,38.8,4,17.7E, h141km,7km, M4,0/100, M3.2/29,MLV4.0/100, Error ellipse: s-maj=6.0km s-min=5.1km az=50.4, confirmed

ISC 14 01:57:58.7,1.8,33.37N,167.75E,0.06,h189km,9km, n156,-1.872/162,Norland Island

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time h m s, Res ISC. Lists stations like OPR, OPRZ, MARZ, etc.

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Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time h m s, Res ISC. Lists stations like WNVZ, MOVZ, PKVZ, etc.

ISC 14 02:12:21.6,46.0,17.33S,-176.90W,h592km,30km, mb3.3/3,mbtmp4.4/4, Error ellipse: s-maj=801.2km s-min=121.7km az=79.0,Fiji Islands region

ISC 14 02:18:11.9,0.0,7.7N,-1.73W, h143km,2km, M2.8, mb3.2, mb4.8, ML2.6, Mw(mb)4.1, Northern Colombia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time h m s, Res ISC. Lists stations like MSVF, STKA, WRA, ASAR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like Yotoco, Valle, Santa Marta, Macarena, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like UZB, Uzynbulak, DJR, JarKent, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like CELP, Cerrillos, Obispo Ponce, etc.

ISK 14 02:28:21.7, 36.73N, 43.27E, h7km, ML2.8/6 AFAD 14 02:28:23.0, 36.90N, 43.08E, h7km, 1km, ML2.6

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like Cukurca, Sirmak, YOVA, etc.

ZHNSH 45nm,0.3s Zhishike 9.1nm,0.3s KURS Kuram 6.9nm,0.6s

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like KURS, KAPs, ARXS, etc.

IDC 14 02:54:55.8, 1.8, 13.58N, 120.38E, h68km, 17km, mb3.8/12, mbmp4.1/12, MS3.5/11, Error ellipse: s-maj=35.0km

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like TGy, DAV, KAPI, etc.

IDC 14 02:37:28.3, 1.6, 33.24S, 179.08W, h0km, mb3.7/3, mbmp3.8/4, ML4.2/1, MS3.3/2, Error ellipse: s-maj=45.0km

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like GEVA, AKDM, VANB, etc.

NEIC 14 02:51:35.8, 0.9, 19.17N, 0.02:66.99W, 0.05, h34km, 9km, ML2.2/22, MD3.1/11 (RSR), Error ellipse: s-maj=6.3km

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like GLKZ, MXZ, WMGZ, etc.

ISC 14 02:37:34.6, 0.9, 33.57S, 0.07:178.9W, 0.1, h48km, n31, s-185/37, mb3.8, 3C, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like GUMO, BATI, KRSR, etc.

OSPL 14 02:51:36.0, 0.9, 19.12N, 67.08W, h0km, 201km, ML2.2 RSPR 14 02:51:36.1, 19.20N, 67.08W, h50km, 7km, MD3.1/11

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like UZB, Uzynbulak, DJR, etc.

ISC 14 02:51:37.0, 1.2, 19.14N, 67.05W, h28km, 46km, MD2.8, ML2.1, MW2.7

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

IDC 14 03:22:04.3, 2.0, 1.77N, 125.50E, h0km, mb3.7/3, mbmp3.8/4, ML3.6/1, Error ellipse: s-maj=128.8km

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

SOME 14 02:45:07.7, 41.47N, 83.85E, h25km NNC 14 02:45:15.3, 41.66N, 83.38E, h8km, 19km, mb3.9

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like SHLS, PDGK, etc.

IDC 14 02:45:14.5, 2.2, 41.7N, 0.01:83.47E, 0.07, h10km, n27, s-215/45, 7C-5D, Southern Xinjiang

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like UUPR, LSP, etc.

IDC 14 03:22:13.7, 1.2, 1.70N, 0.10:125.7E, 0.5, h84km, n6, s-191/16, mb3.6/3, Northern Molokua Sea

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

4d 4h

Table with columns for station name, coordinates, and various parameters. Includes stations like Ostrava-Krasne, Liptovska Anna, Niedzica, Moravsky Berou, etc.

IDK 14 03:57:46.7, 35.87N, 32.04E, h11km, ML3.3/36
IDK 14 03:57:47.0, 1.6, 36.05N, 32.06E, h0km, mb3.7/2,
mbmp3.5/6, ML2.5/3, Error ellipse: s-maj=31.7km
s-min=23.5km az=79.0

Table with columns for Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Gazipasa, Alanya-ANTALYA, Bozyazi-Mersin, etc.

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Main table with columns for station name, coordinates, and various parameters. Includes stations like Mathiatis, Kemer-ANTALYA, Karaman, Kazim, etc.

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Table with columns for station name, coordinates, and various parameters. Includes stations like AI Uja, Amatzia, Dead Sea, etc.

AEIC 14 04:21:49.2, 2.7, 61.40N, 0.02:150.04W, 0.04, h20km, 7km,
Error ellipse: s-maj=3.2km s-min=2.9km az=53.0
NEIC 14 04:21:50.3, 1.5, 61.46N, 0.02:149.95W, 0.04, h39km, 4km,
ML3.2/14, ML3.0(AEIC), Error ellipse: s-maj=3.1km
s-min=3.0km az=189.0

ISC 14 04:21:50.1-0.9,61.43N,0.03-149.94W,0.02,h32km,gkm, h53.0c60/60, Southern Alaska

Table of station observations with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include stations like Fire Island, Willow, Rabbit Creek A, Susitna One, Palmer, etc.

OHAK I26K Old Harbor 4.56 204 P Pn 04 22 57.3 +0.5
I26K Coal Creek Min 4.94 35 IAML 04 24 05.7
H19K comp=E,16nm,1.3s 5.04 327 IAML 04 24 37.8

IDC 14 04:32:38.6:1.1,34.51N:85.92E,h0km,mb3.7/8, mltmp3.8/13,ML3.2/4,Error ellipse: s-maj=42.1km s-min=16.2km az=57.0
ISC 14 04:32:43.6:1.0,34.6N:0.1:86.0E:0.2,h35km,n13, c058/13,mb3.7/7,Xizang

Table of station observations with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include stations like AAK, MKAR, KURBB, ZALV, CMAR, SONM, BVAR, AKTO, ARCES, NOA, WRA, ASAR, YKA.

MOS 14 04:36:00.4:1.0,36.15N:70.55E,h116km,mb4.8/30,Error ellipse: s-maj=5.2km s-min=3.0km az=80.0
BUJ 14 04:36:01.0,36.25N:70.55E,h118km,mb5.0/67,mb5,1/22
NEIC 14 04:36:01.9:2.5,36.11N:0.05:70.46E:0.07,h118km,gkm, mb4.8/61,Error ellipse: s-maj=8.5km s-min=7.6km az=122.0

IDC 14 04:36:01.7:2.5,36.01N:70.54E,h122km,23km,mb4.1/31, mltmp4.6/35,MS3.3/7,Error ellipse: s-maj=11.4km s-min=9.1km az=10.0

GCMT 14 04:36:01.9:0.4,35.96N:0.03:70.39E:0.04,h157km,5km, MW4.8/65,Moment Tensor Solution, s10,c10, s65,c92; Duration: 0 Moment tensor: Scale 1019Nm,M1:1.0E-14; Mu:-1.5E-14; Mu:0.47E-15; Mu1:1.7E-10; Mu:0.32E-14; Mu:-1.40E-11; Best double couple: M:2.31400E+1016 NP1:phi=130.000000,0.75,0.000000,0.116,000000. NP2: phi=249.000000,0.30,0.000000,0.33,0.000000. Principal axes: T 2.3530,Plg53.00000, Azm71.000000; N -0.0800, Plg25.00000, Azm303.00000; P -2.2740,Plg25.00000, Azm201.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NNC 14 04:36:04.9:2.5,36.47N:70.36E,h130km,24km,mb4.9, mpv5.7,Error ellipse: s-maj=19.5km s-min=13.6km az=13.0

ISC 14 04:36:01.1-0.3,36.07N:0.03:70.61E:0.03,h112km,gkm, h121km,pP-P,694.0c143/741,mb4.8/142,35C-21D, Hindu Kush region

Table of station observations for the Hindu Kush region with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Rows include stations like KBL, KBL, CHGR, SRNI, SFK, OHH, JMU, JMU, KSH, KSH, TRKS, ARSB, ARSB, THN, THN, ARK, ARK, DHRM, DHRM, IUG, IUG, CHM, CHM, CHM, AML, MNAS, BHK, BHK, BHK, SRI GANGA NAGA, SRGN, SRGN, KBL, KBL, KBL, CHGR, SRNI, SFK, OHH, JMU, JMU, KSH, KSH, TRKS, ARSB, ARSB, THN, THN, ARK, ARK, DHRM, DHRM, IUG, IUG, CHM, CHM, CHM, AML, MNAS, BHK, BHK, BHK, SRI GANGA NAGA, SRGN, SRGN.

Table of station observations with columns: SGRN, comp=E,2um,0.2s IAML 04 38 51.5, DZA Taraz 6.84 4 eP Pn 04 37 38.3 -0.4, DZA Uchtor 6.84 4 eP Pn 04 37 38.3 -1.1, UCH SNR=68 6.86 25 eP Pn 04 37 38.2 +0.8, BRLS Boroday 6.98 355 eP Pn 04 37 36.5 -4.2, BRLS Boroday 6.98 355 eP Pn 04 37 36.4 -4.2, EK2S Erkin-Say 7.03 19 P Pn 04 37 41.8 +0.5, KK31 Karatay Array 7.03 359 P Pn 04 37 40.3 -1.0, KK31 comp=E,199nm,0.6s,baz=186,slow=24,SNR=1276 Pn 04 38 55.3 -4.3, KK31 Karatay Array 7.03 359 Pn Pn 04 37 40.3 -1.0, KKAR Karatay Array 7.03 359 Pn Pn 04 37 40.5 -0.8, KKAR Karatay Array 7.03 359 Pn Pn 04 37 40.4 -0.8, KKAR Karatay Array 7.03 359 Pn Pn 04 37 40.5 -0.8, HRA Hrat 7.05 259 Pn Pn 04 37 41.1 -0.7, AAK Ala-Archa 7.21 23 P Pn 04 37 44.5 +0.5, AAK Ala-Archa 7.21 23 iP Pn 04 37 44.5 +0.5, AAK Ala-Archa 7.21 23 P Pn 04 37 44.5 +0.5, AAK Ala-Archa 7.21 23 P Pn 04 37 44.5 +0.5, AAK comp=E,801nm,0.8s,baz=332,slow=19,SNR=53 S Sn 04 39 02.6 -1.8, AAK Ala-Archa 7.21 23 P Pn 04 37 44.5 +0.5, AAK Ala-Archa 7.21 23 P Pn 04 39 03.8 -0.6, AAK comp=Z,269nm,0.8s pmax 04 39 04.8 -3.0, SMLA Simila 7.36 130 eS IAML 04 39 10.2, SMLA comp=N,2um,0.3s IAML 04 39 10.2, SMLA comp=E,1um,0.4s 7.38 26 P Pn 04 37 46.9 +0.6, KBK Karagaybulak 7.56 34 P Pn 04 37 49.1 +0.4, ULHL Ulahol 7.62 24 P Pn 04 37 49.7 +0.3, CHMS Chumysh 7.62 24 P Pn 04 37 49.6 +0.3, CHMS comp=Z,298nm,0.5s P Pn 04 39 12.9 -1.2, CHMS comp=E,904nm,0.8s P Pn 04 37 50.1 -0.2, HNLY HANLEY 7.65 113 eP Pn 04 39 12.0 -3.6, HNLY IAML 04 39 15.0, HNLY comp=N,145nm,0.5s IAML 04 39 15.7, HNLY comp=E,114nm,0.4s 7.85 28 P Pn 04 37 52.9 +0.2, TKM2 Tokmak 2 7.85 28 P Pn 04 37 52.7 +0.1, TKM2 comp=E,122nm,0.6s P Pn 04 39 17.5 -2.5, TKM2 comp=E,211nm,0.7s pmax 04 37 53.1 +0.4, TKM2 comp=Z,172nm,0.6s P Pn 04 37 54.1 +0.6, KDJ Kajisay 7.92 38 Pn Pn 04 37 54.1 +0.6, KDJ Kajisay 7.92 38 Pn Pn 04 37 54.1 +0.6, TARG Taragay, Kyrgy 7.96 43 Pn Pn 04 37 55.0 +0.7, TARG Taragay, Kyrgy 7.96 43 Pn Pn 04 37 55.0 +0.7, SCDS Soqindiy 8.00 22 eP Pn 04 37 53.8 -0.7, SGDS Soqindiy 8.00 22 eP Pn 04 37 53.8 -0.7, BKNR BIKANER 8.34 164 eP Pn 04 37 57.5 -1.7, BKNR IAML 04 39 28.7, BKNR comp=N,2um,0.7s IAML 04 39 28.9, WUS Wushi 8.46 50 P Pn 04 38 01.5 +0.6, DDI Dehra Dun 8.47 130 eP Pn 04 38 00.5 -0.4, DDI Tian-Shan 8.50 33 eS Pn 04 38 01.0 -0.7, TNS5 TNS5 8.50 33 eS Pn 04 39 34.5 -1.6, TNS5 Tian-Shan 8.50 33 eP Pn 04 38 00.9 -0.7, MDOK MDOCK 8.65 33 eP Pn 04 38 03.3 -0.1, MDOK Medeo 8.65 33 eP Pn 04 39 38.3 -0.9, MDOK comp=E,169nm,0.6s P Pn 04 38 03.9 +0.5, MDOK comp=E,90nm,0.8s IAML 04 39 37.2 -2.0, MDOK Medeo 8.65 33 P Pn 04 38 03.9 +0.5, KNDC Almaty 8.66 33 eP Pn 04 38 05.6 +2.1, KNDC comp=E,482nm,0.7s P Pn 04 39 39.5 +0.2, KNDC comp=E,529nm,0.8s P Pn 04 38 05.5 +2.1, KNDC Almaty 8.77 140 eS Pn 04 38 06.5 +2.1, GNR GNAUR 8.80 41 eS Pn 04 39 05.5 -5.7, PRZ Przheval'sk 8.80 41 Pn Pn 04 38 06.6 +1.1, PRZ Przheval'sk 8.80 41 Pn Pn 04 38 06.6 +1.1, CHKK Chushkaly 9.18 30 eP Pn 04 38 09.9 -0.7, CHKK Chushkaly 9.18 30 eP Pn 04 38 09.9 -0.7, SATY Saty 9.21 38 eP Pn 04 38 10.3 -0.7, SATY Saty 9.21 38 eP Pn 04 38 10.3 -0.7, NDI New Delhi 9.24 141 eP Pn 04 38 10.2 -1.2, NDI IAML 04 39 47.8 -5.7, NDI comp=N,810nm,0.6s IAML 04 39 51.8, NDI comp=E,442nm,0.3s IAML 04 39 51.9, NPLP NPLP New Delhi 9.25 141 eP Pn 04 38 10.6 -1.0, NPLP IAML 04 39 47.3 -6.6, NPLP comp=N,821nm,0.2s IAML 04 39 49.8, NPLP IAML 04 39 51.4, NPLP comp=E,770nm,0.2s 9.29 124 eP Pn 04 38 12.2 +0.1, JOSI Joshinath 9.29 124 eS Pn 04 39 50.2 -4.8, JOSI IAML 04 39 54.6, JOSI comp=N,1um,0.4s IAML 04 39 54.9, JOSI comp=E,927nm,0.3s 9.31 38 eP Pn 04 38 11.7 -0.6, ZHN Zhinshike 9.31 38 eP Pn 04 38 11.6 -0.7, ZHN Zhinshike 9.31 38 eP Pn 04 38 11.6 -0.7, BTLS Baital 9.33 15 eP Pn 04 38 11.2 -1.3, BTLS Baital 9.33 15 eP Pn 04 38 11.2 -1.3, KUDL Kundal 9.34 146 eP Pn 04 38 11.1 -1.6, KUDL IAML 04 39 57.3 -8.6, KUDL comp=E,843nm,0.5s IAML 04 39 52.0, KUDL comp=N,487nm,0.5s IAML 04 39 54.0, JMIU JAMIA UNIVERSI 9.37 141 eP Pn 04 38 12.4 -0.7, JMIU IAML 04 39 50.9 -5.8, JMIU comp=E,810nm,0.4s IAML 04 39 55.7, JMIU comp=N,877nm,0.7s IAML 04 39 56.4, SONA Sohna 9.53 143 eP Pn 04 38 14.1 -1.1, SONA eS Pn 04 39 52.2 -8.3, SONA IAML 04 39 59.7, SONA comp=N,414nm,0.2s IAML 04 39 59.9, comp=E,1um,0.3s 9.59 40 eP Pn 04 38 15.6 -0.6, UZB Uzunbulak 9.59 40 eP Pn 04 38 15.5 -0.6, UZB Uzunbulak 9.59 40 eP Pn 04 38 15.4 -0.5, KPKS Kopek 9.65 38 eP Pn 04 38 16.4 -0.5, ARXS Arxary 9.83 32 iP Pn 04 38 18.1 -1.2, SHLS Shalkode 9.83 41 eP Pn 04 38 21.9 +2.5, SHLS Shalkode 9.83 41 eP Pn 04 38 21.9 +2.5, PDGK Podgornoye 9.96 41 P Pn 04 38 20.0 -1.2, PDGK Podgornoye 9.96 41 P Pn 04 38 20.1 -1.2, AJM Ajmer 10.16 159 eP Pn 04 38 20.9 -2.0, AJM IAML 04 40 04.3 -1.2, AJM comp=N,126nm,0.4s IAML 04 40 11.1, AJM comp=E,192nm,0.2s IAML 04 40 14.0, PTH Pithoragarh 10.37 126 eS Pn 04 38 24.4 -2.4, PTH IAML 04 40 18.5, PTH comp=E,212nm,0.7s IAML 04 40 19.2, LGTI Lohaghat 10.45 126 eP Pn 04 38 25.3 -2.5, LGTI IAML 04 40 13.2 -1.0

915 2018 DEC 14d 4h

Table with multiple columns: Station Name, Frequency, Mode, Power, Signal, and SNR. Includes stations like MNNK, FAUS, TROMSO, PETK, etc.

14d 4h

2018 DEC

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Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Status, and other parameters. Includes stations like E28M Babbage River, F26K Shehnek River, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Status, and other parameters. Includes stations like O16K Kokwok River B, WAT1 Susitna Watana, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Status, and other parameters. Includes stations like VNA3 Neumayer Olym, QSPA South Pole, etc.

AEIC 14 04:42:56.8z.2.1, 61.140N, 0102.150W, 0.04, h19km, 1km, Error ellipse: s-maj=3.0km s-min=2.2km az=116.0 NEIC 14 04:42:57.6-1.7, 61.43N, 0102.149W, 0.05, h35km, gkm, ML2.776, ML2.6(AEIC), Error ellipse: s-maj=3.4km s-min=3.1km az=169.0, Southern Alaska

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Status, and other parameters. Includes stations like FIS Fire Island, M22K Willow, etc.

IDC 14 04:44:17.5z.9.8, 36.86N, 71.45E, h107km, 88km, mb3.6/5, mbtmp3.8/8, ML3.3/3, MS3.4/1, Error ellipse: s-maj=55.9km s-min=28.6km az=26.0 ISC 14 04:44:17.5z.1.3, 36.9N, 0207.214E, 0.2, h106km, n9, 0.051R, mb4.0/5, Afghanistan Tajikistan border region

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Kiev, Keskin Array B, Keweenaw, etc.

CATAC 14 05:03:36.0, 6.1, 12.46N-88.21W, h30km, 6km, ML3.3
SNET 14 05:03:36.0, 2.2, 12.52N-88.35W, h30km, ML3.5
ISC 14 05:03:36.0, 2.6, 12.44N-0.06-88.21W, 0.04, h34km, 5km, n37, c050/62, Off coast of central America

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Cosiguina Volc, Marina puesta, Potosi Cosigui, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Piamonte, Jayaque, Finca el Limon, etc.

IDC 14 05:09:58.0, 0.4, 29.25S-178.95W, h322km, 4km, mb3.5/8, mbmp4.3/10, Error ellipse: s-maj=20.8km s-min=16.6km az=144.0
NEIC 14 05:09:59.4, 1.4, 29.7S-0.1:178.9W, 0.1, h322km, 6km, mb4.2/14, Error ellipse: s-maj=19.1km s-min=16.0km az=197.0
ISC 14 05:09:57.8, 0.5, 29.54S-0.06-178.98W, 0.10, h315km, n125, s147/143, mb4.0/12, Kermadec Islands

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Raoul Island, Green Lake, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Afi, Wkz, Stka, etc.

UCR 14 05:14:57.3, 0.8, 11.49N-85.93W, h146km, 5km, MW3.5
CATAC 14 05:14:57.4, 0.4, 11.50N-85.93W, h116km, 3km, ML3.2
ISC 14 05:14:57.4, 1.6, 11.50N-0.04-85.96W, 0.05, h141km, 6km, n49, c086/71, Nicaragua

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Granada, Marina puesta, Potosi Cosigui, etc.

nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function
NEIC 14 06:17:30.0, 1.0, 57.41N, 0.09, 33.2W, 0.1, h10km, 1km, mb5.0/140 Error ellipse: s-maj=14.8km s-min=11.7km az=178.0

BGR 14 06:17:32.0, 57.51N, 33.15W, h33km, mb4.7
ISC 14 06:17:30.4, 0.3, 57.38N, 0.05, 33.21W, 0.04, h15km, n802, r1502/786, mb4.9/211, MS4.1/66.35C-28D, Reykjanes Ridge

Table of station data for stations NRS to HFS. Columns include Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and ISC. Includes station names like Nararsuaq, Ammassalik, Scoresbysund, etc.

Table of station data for stations HFS to WET. Columns include HFS, LR, Time, Residual, and ISC. Includes station names like Matrara, Castelo Branco, Boru, WLF, etc.

Table of station data for stations FUORN to BRIU. Columns include Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and ISC. Includes station names like Fuorn, Mota, Resolute Bay, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like SIRR, STNU, BZS, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like WORD, KIRV, FPAL, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like KIRS, SJK, ARTI, etc.

14d 6h

Table with columns: Station, Frequency, Power, Direction, etc. Includes stations like MOOW, NEW, COLA, COLA, COLA, etc.

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Table with columns: Station, Frequency, Power, Direction, etc. Includes stations like TIXI, J20K, S22A, S22A, CAST, etc.

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Table with columns: Station, Frequency, Power, Direction, etc. Includes stations like P19K, L16K, K15K, W16K, J14K, etc.

Table listing astronomical observations with columns for name, magnitude, position, date, and other parameters. Includes entries like CHM Chinkent, DZA Taraz, IUG luzhney, etc.

Table listing astronomical observations with columns for name, magnitude, position, date, and other parameters. Includes entries like PTLB Pontes e Lacer, YSS Yuzhno-Sakhal, GOMU GeErMu, etc.

Table listing astronomical observations with columns for name, magnitude, position, date, and other parameters. Includes entries like MNK Malin Array 8, AKASB Malin Array 3, ILAR Eielson Array, etc.

IDC 14 06:29:13.6:0.5, 57.40k-33.26W, h0km, mb.4.0/24, mbmp4.1/27, ML3.1/3, MS3.8/6, Error ellipse: s-maj=17.6km s-min=10.8km az=0.0, NEIC 14 06:29:15.6: 1.7, 57.38N-0.08:33.27W:0.1, h10km, 1km, mb4.5/20, Error ellipse: s-maj=18.2km s-min=8.6km

ISC 14 06:29:15.0: 4.5734N-0.08:33.24W:0.06, h15km, n61, +094/61, mb4.2/32, MS3.8/6, Reykjanes Ridge

IDC 14 06:36:43.3: 0.7, 12.86S:45.36E, h0km, mb.4.0/12, mbmp4.0/13, ML3.7/1, MS3.2/2, Error ellipse: s-maj=25.4km s-min=20.2km az=81.0, NEIC 14 06:36:44.9: 1.9, 12.85S:0.09:45.4E:0.1, h10km, 1km, mb4.4/17, Error ellipse: s-maj=19.6km s-min=14.6km az=77.0

ISC 14 06:36:44.5: 0.5, 12.88S:0.07:45.38E:0.09, h10km, n45, +091/44, mb4.2/19, Northwest of Madagascar

Table listing astronomical observations with columns for Code, Station Name, Az, Az', Phase ID, Time, Res, and other parameters. Includes entries like BORG Borgarnes, SFJD Kangerlussuaq, etc.

Table listing astronomical observations with columns for name, magnitude, position, date, and other parameters. Includes entries like ASAR Alice Springs, KMBQ Kilima Mbogo, etc.

14d 7h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LBTB Lobatse, BOSHA Boshof, SUR Sutherland, TORD Torodi Bea, BRTR Keskin Array B, GAR Garm, KKR Karatay Array, AAK Ala-Archa, BURAR Bucovina Array, BUR08 Bucovina Ar. S, ABKAR Akbulak array, SNAAS Sanae, GERES GERESS Array B, MK31 Makanchi Array, MKAR Makanchi Array, BVAR Borovoy Array, ZAAO Zalesovo Array, ZALV Zalesovo Beam, FINES FINESS Array, QSPA South Pole Qui, SONMI Songo Array, ASAR Alice Springs, WRA Warramunga Arr, YKA Yellowknife Arr, PDAR Pinedale Array, TXAR Lajitas Array, NVAR Mina Array Bea.

IDC 14 06:52:34.0.1.4, 14.64'S:166.91'E, h0km, mb3.9/6, mbmp3.9/6, MS2.8/2, Error ellipse: s-maj=48.2km s-min=32.4km az=130.0

NOU 14 06:52:38.1, 15.01'S:166.92'E, h0km, MLV4.5/14, Vanuatu Islands

ISC 14 06:52:40.9.1.2, 14.90'S:0.09:167.0E:0.1, h57km, n18, r125/14, mb3.7/4, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VLAKA Lakatoro, DVP Devils Point, KOUNC Koumac, YATNC YATNC Matmie plateau, DZM Mont Dzumac, WRA Warramunga Arr, ASAR Alice Springs, QSPA South Pole Qui, ILAR Eielson Array, MKAR Makanchi Array, ZALV Zalesovo Beam.

FUNV 14 07:00:34.0, 10.43'N:69.46'W, h2km, MW3.3 RSNV 14 07:00:36.3:0.0, 11.1'N:7.7'W, h127km, qkm, M3.0, mb3.7, mB4.7, ML2.8, Mw(mB)3.9

ISC 14 07:00:31.7:1.7, 10.53'N:0.07:69.49W:0.04, h11km, n11km, n24, r171/34, 1C-1D, Venezuela

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TEVP Terepaima, MAPV Macapo, BENV Bein, SDV Santo Domingo, SAU El Baul, TACV Tcava, SOCV Socops, URIC Uribia, CRUC Correjon, CAPV Capacho, CACV CACIRA DEL OR, OCAC Ocana, PAMC Pamplona, TAMC Tame, PCRV Puerto La Cruz, BARC Barichara, RUSC La Rusia, ZARC Zaragoz, PTBC PUERTO BERRIO, SPBC San Pablo de B, CHIC Chingaza.

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Table with columns: NORC Norcasia, GUY2C Guyana, CALDAS LUEVA Luepa, Time, Res, ISC.

NNC 14 07:17:15.6:1.1, 49.66'N:81.83'E, h0km, mb3.3, mpv2.9, Error ellipse: s-maj=14.5km s-min=2.6km az=54.0, Suspected Mining explosion.

IDC 14 07:17:17.5:1.5, 49.73'N:81.62'E, h0km, mbmp2.7/3, ML2.3/3, Error ellipse: s-maj=24.9km s-min=9.9km az=55.0

ISC 14 07:17:14.9:1.1, 49.54'N:0.07:81.46'E:0.10, h0km, n8, r064/10, 2C-6D, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KURK Kurchatov, KURBB Kurchatov Arra, MK31 Makanchi Array, MKAR Makanchi Array, ZALV Zalesovo Beam, I46RU ZALESOVO INFRA.

ATH 14 07:22:37.8:3.7, 31.37'N:20.74'E, h16km, 1km, ML2.9/19, Error ellipse: s-maj=2.3km s-min=0.9km az=46.0

THE 14 07:22:37.9:3.7, 32.20'N:20.75'E, h5km, ML3.0/13, Error ellipse: s-maj=1.1km s-min=0.4km az=232.0

ISC 14 07:22:37.3:1.1, 37.30'N:0.03:20.73E:0.03, h11km, qkm, n61, r059/90, Ionian Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KR11 KERI, LTHK Lithakia, KYPS Kipseli, ORTH Orthonies, CLEM Kyllini, Ratzaki, Artemida-Makis, PSDA Pessada-Kefalo, VLS Valsamata, PYL PYLOS, RLS Riolois of Pat, ITM Ithomi, DMLN Damouliana, DRO Drossia, VASILIKIADES, FSK Fiskardo, EVGI Lefkada island, ELVI Lefkada island, KLV Kalavryta, NYDR Nydri-Lefkada, NYDR Nydri-Lefkada, GUR Goura.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GUR Goura, EFP Epialo, TSLSK Tsoukalades, KALE Kalithea, ANX Ano Chora, EVR Evrytania, VLI Veliai, LTK Loutraki, MAKRA Makrakomi, TETR Tetrakromo, AXAR Agios Charalam, THL Klokotos, KEK Kerki, PLAC Pampacina, TAP Tripigrande, CEL Celeste, JOP Joppo, MTT Motta San Gio, AIO Antillo, SSS Sortino, HPAC Pachino, MUCR Ucria, HMDC Modica, RAFF Raffo Rosso.

IDC 14 07:27:22.8:0.8, 6.85'S:154.23'E, h0km, mb4.0/12, mbmp4.0/13, ML2.1, MS3.3/3, Error ellipse: s-maj=28.0km s-min=18.5km az=117.0

ISC 14 07:27:28.8:0.7, 6.85'S:154.1E:0.1, h35km, n18, r1908/13, mb4.0/12, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PMG Port Moresby, CTA Charters Tower, DZM Mont Dzumac, WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, NWAO Naroquin (SRO), KSRS Korea Array, CMAR Chiang Mai Arr, SONMI Songo Array, MKAR Makanchi Array.

Table with columns for station name, frequency, power, and other technical details. Includes stations like GSPA, ILAR, ZALV, BVAR, NVAR, BDBF, and TORD.

IDC 14 07:35:48.5:3.0,2.47S:134.50E,h0km,mb3.4/2, mbtmp3.5/3,ML3.2/1,Error ellipse: s-maj=129.8km s-min=31.1km az=77.0,Irian Jaya region

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

IDC 14 07:41:43.3:0.8,13.15N:81.19W,h0km,mb3.7/9, mbtmp3.8/11,ML3.1/3,MS3.4/15,Error ellipse: s-maj=27.6km s-min=17.9km az=50.0

RSNC 14 07:41:44.7:0.4,13.14N:81.17W,h4km,mb3.7/9, mb4.6,ML3.8,MW(m)B.2

CATAC 14 07:41:44.4:0.3,13.15N:81.27W,h8km,2km,MB4.8, mb4.6,ML4.5

NEIC 14 07:41:45.0:2.1,13.00N:0.02:81.19W:0.0:0:h10km,1km, az=207.0

ISC 14 07:41:44.6:1.0,13.14N:0.03:81.22W:0.0:0:h12km,6km, n85,c161/104,mb3.8/11,MS3.5/10,Caribbean Sea

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations PRVC, SAIC, RNCC, SERC, and BILN.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations BLUN, ESPN, SIUN, TRT2, and ACON.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations HDC, SOCE, BRUJ, and JTS.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations OCHAL, MGAN, and COPN.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations TGUH, MTJD, LCBC, and STH.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations GWJ, ARCS, and YKA.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations ILAR, ESDC, and ARCS.

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

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations YKA, ILAR, and ESDC.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations SJCC, APAC, and SCLA.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations MTO3, PTBC, and NMDO.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations CHIC, BAUV, and CMJG.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations SJJG, CZSB, and T4ZA.

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

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations ANMO, LPJG, and GO01.

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

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations BDBF, NEW, and RCBR.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations PLCA, YKA, and ILAR.

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

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations WRA, YKA, and ILAR.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations YKA, ILAR, and ESDC.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations YKA, ILAR, and ESDC.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations YKA, ILAR, and ESDC.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations MTBS, DGS, and DGS.

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

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

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

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

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

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

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

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

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

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

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

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

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

NNC 14 07:42:59.3:2.8,51.05N:81.18E,h0km,mb2.8,mpv2.5, Error ellipse: s-maj=28.6km s-min=12.3km az=21.0, Suspected Mining explosion.

IDC 14 07:42:59.1:1.6,51.29N:81.13E,h0km,mb2.0/1, ML2.0/1,Error ellipse: s-maj=15.3km s-min=12.0km az=155.0

ISC 14 07:42:54.8:1.3,51.05N:0.06:81.49E:0.05,h0km,n8, c082/9,3C-SD,Southern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations KURK, KURKB, and KURBB.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations ZALV, I46RU, and MAZK.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations MAZK, MK31, and MKAR.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations WRA, NB2, and NOA.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations HFS, AKASA, and WRA.

Table of astronomical observations for 14d 8h, listing station names, coordinates, and observation details.

Table of astronomical observations for 2018 DEC, listing station names, coordinates, and observation details.

Table of astronomical observations for 2018 DEC, listing station names, coordinates, and observation details.

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Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like TOO, COEN, STKA, JAY, BBOO, WRD, WRA, AS31, ASAR, MTN, FORT, SWI, PSA00, MBWA, Vnda, MORW, GIRL, CDD, CASY, CASY, CASY, GMJI, JGF, MAJ, MAJ, PCJ, UGM, ADK, SHEM, NIKH, JKA, QSPA, QSPA, QSPA, LEM, FALS, PEAOB, PETK, PETK, S12K, KRSR, SPIA, CHGN, CHGN, CHIR, USRK, SII, PASC, CBX, R16K, VTX, ESJX, R17L, PLK4, ISAB, OHAK, OHAK, OHAK, R18K, YUH, NU2, NU2, Q17K, O14K, MDJ, MDJ.

2018 DEC

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like O15K, Q16K, KDAK, KDAK, KDAK, M11K, Q18K, N14K, P17K, O16K, M13K, Q19K, Q19K, Q19K, NVAR, NVAR, NVAR, N15K, P18K, P18K, O17K, M14K, M15K, N16K, O18K, O18K, P19K, P19K, L14K, N17K, J05D, J05D, BNK, BNK, M16K, O19K, HOM, K13K, N18K, L15K, O20K, BRSE, N19K, L16K, M17K, R11B, K15K, M18K, SEW, J14K, TIA, TIA, L17K, O22K, N20K, SPCR, GAMB, L18K, GNW, GNW, K17K, L19K, RC01, M20K, PUL, SWA, J16K, SKT, L20K, GLI, ELK, J17K, TATA, EYAK, M22K, KNK, PMR, PMR, G08A, I17K, ANM, J18K, U33K, V35K, HAWA, HAWA.

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like SML, HEH, HEH, CUT, M23K, PPLA, BMRM, MAW, K20K, SCM, H16K, KLU, CRQE, G15K, WRAK, J19K, HNS, HNS, PINM, TNA, CAST, F14K, D08A, D08A, M24K, M24K, WAT6, 121A, H17K, WAT1, BJL, BJL, LYN, LYN, LYN, MCARA, J20K, G16K, P29M, TRF, CHUM, CTG, R32K, F15K, GCSA, O28M, HARP, H18K, G17K, O29M, DHY, PLBC, BPAW, I20K, MCK, P30M, PAX, SKAG, T35M, YUK8, M26K, H19K, G18K, YUK3, S34M, M27K, HYT, YUK4, F17K, L26K, I21K, NEA2, K24K, P32M, Q32M, BVCY, G19K, O30N, F18K, RIDG, H21K, HDA, L27K, N30M, TXAR.

14d 8h

Table with columns: TXAR, comp, pP, 08 25 27.6 +2.1, etc. Lists various river names and their associated data points.

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Table with columns: A19K, G27K, 89.10 6 P, 08 23 41.3 0.0, etc. Lists various river names and their associated data points.

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Table with columns: EKA, R9F13, 142.85 5 PKHKP, 08 30 12.3, etc. Lists various river names and their associated data points.

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
BHOV	Houveznez	147.86	355	dPKP	08 30 28.9	+0.5
SURR	Surdac	147.87	333	PKPbc	08 30 27.7	-0.9
CKRC	Cesky Krumlov	147.93	344	ePKP	08 30 29.1	+0.4
WET	Wetzell	147.97	346	ePKPbc	08 30 29.4	+0.6
	baz=15,slow=2.8					
BMRD	Maredsous	148.00	356	dPKP	08 30 29.0	+0.3
GERE	GERESS Array S	148.06	345	ePKPbc	08 30 29.7	+0.6
	baz=15,slow=2.8					
GERE	GERESS Array B	148.06	345	ePKPbc	08 30 28.8	-0.3
	comp=Z,20nm,0.8s,baaz=45,slow=4.3,SNR=3.9					
ELND	Elena	148.12	325	PKPbc	08 30 29.8	+0.6
RCHB	Rochefort	148.12	356	dPKP	08 30 28.5	-0.5
BZCS	Buzia	148.19	333	PKPbc	08 30 28.6	-0.7
DOU	Dourbes	148.22	357	dPKP	08 30 29.5	+0.2
SRE	Strehaia	148.22	330	PKPbc	08 30 30.4	-0.6
CONA	Conrad Observa	148.32	342	PKPbc	08 30 30.4	-0.6
	comp=Z,46nm,1.1s,SNR=14					
RONA	Rosalia, Austr	148.39	341	PKPbc	08 30 30.4	+0.6
	comp=Z,36nm,1.0s,SNR=13					
HERR	Herculane	148.42	331	PKPbc	08 30 29.6	-0.3
BAND	Balkesir-Ban	148.47	320	PKPbc	08 30 26.6	+0.7
WLF	Walferdange	148.53	355	dPKP	08 30 30.9	-0.3
WLF	Walferdange	148.53	355	ePKPbc	08 30 31.3	+0.1
	baz=15,slow=2.8					
MDOV	Moldovita	148.81	332	PKPbc	08 30 30.6	-0.4
MOA	Molin	148.84	344	PKPbc	08 30 31.2	+0.3
	comp=Z,9.9nm,0.5s,SNR=5.4					
MORH	Mirny, Hungar	148.89	337	PKPbc	08 30 27.1	+0.7
ARSA	Arzberg	149.03	342	ePKP	08 30 31.5	+0.1
	comp=Z,22nm,1.3s					
STU	Stuttgart	149.04	350	ePKPbc	08 30 32.1	-0.2
	baz=15,slow=2.8					
BIOA	Bad Ischl, Aus	149.15	344	PKPbc	08 30 31.6	-0.1
	comp=Z,2.7nm,1.1s,SNR=7.2					
FUR	Furstenfeldbru	149.25	348	ePKPbc	08 30 32.5	-0.2
	baz=15,slow=2.8					
BFO	Black Forest	149.60	351	ePKPbc	08 30 33.2	-0.3
	baz=15,slow=2.8					
BFO	Black Forest	149.60	351	ePKPbc	08 30 33.2	-0.3
	comp=Z,23nm,0.9s					
LESA	Schwarzleotal	149.63	345	ePKP	08 30 32.8	-0.2
	comp=Z,32nm,1.1s					
SOKA	Soboth	149.69	342	ePKP	08 30 32.9	-0.2
	comp=Z,32nm,1.1s					
BOVS	Bovan	149.70	331	PKPbc	08 30 32.7	-0.4
KBA	Koelnbreinsper	149.79	344	PKPbc	08 30 33.0	-0.5
	comp=Z,2.1nm,0.7s,SNR=6.0					
UBR	Ueberherrn	149.94	349	ePKPbc	08 30 34.1	-0.2
	baz=15,slow=2.8					
WATA	Walderaim	149.97	347	PKPbc	08 30 33.8	-0.1
	comp=Z,22nm,0.6s,SNR=11.4					
OKBA	Obir	149.98	342	ePKP	08 30 33.4	-0.4
	comp=Z,12nm,0.8s					
RETA	Reutte	150.00	348	ePKP	08 30 33.3	-0.5
	comp=Z,12nm,0.7s					
WTTA	Wattenberg	150.03	347	PKPbc	08 30 34.1	+0.1
	comp=Z,49nm,0.7s,SNR=9.3					
MOTA	Moosalm	150.06	347	ePKPbc	08 30 33.9	-0.2
	comp=Z,23nm,0.9s					
MYKA	Terra Mystica	150.13	344	PKPbc	08 30 33.4	-0.7
	comp=Z,18nm,0.6s					
SQTA	Sankt Quirin	150.16	347	PKPbc	08 30 34.4	+0.2
	comp=Z,32nm,0.7s,SNR=9.9					
ABTA	Abtaltersbach	150.31	345	PKPbc	08 30 33.9	-0.6
	comp=Z,46nm,0.7s,SNR=6.0					
DAVA	Damuels	150.36	349	PKPbc	08 30 35.2	-0.1
	comp=Z,52nm,1.1s,SNR=7.6					
LJU	Ljubljana	150.41	342	PKPbc	08 30 34.6	-0.1
FETA	Feichten	150.45	348	PKPbc	08 30 35.4	-0.0
	comp=Z,32nm,0.8s,SNR=7.7					
GBRS	Gornja Briga	150.79	341	PKPbc	08 30 35.6	-0.0
DAVOX	Davos/Dischmat	150.85	349	PKPbc	08 30 36.3	-0.0
	comp=Z,5.1nm,0.9s,baaz=297,slow=0.3,SNR=37					
PDG	Podgorica	151.75	332	PKPbc	08 30 34.1	+3.2
PBRG	Braganca	155.47	16	ePKPbc	08 31 05.2	-0.1
PLO	Lamas de Olo	155.59	18	ePKPbc	08 31 05.9	+0.1
MVO	Moncorvo	156.00	17	ePKPbc	08 31 07.9	+0.3
PVIS	Viseu	156.16	19	ePKPbc	08 31 08.4	+0.1
MTE	Manteigas	156.58	18	ePKPbc	08 31 10.1	+0.1
PCAS	Casimil, Conde	156.58	20	ePKPbc	08 31 09.7	-0.3
PCBR	Castelo Branco	157.09	19	ePKPbc	08 31 11.2	-1.0
PMRV	Marv??o	157.50	19	ePKPbc	08 31 14.0	-0.1
ESDC	Sonseca Array	158.13	12	PKPbc	08 31 16.2	-0.6
	comp=Z,5.5nm,0.9s,baaz=194,slow=4.9,SNR=14					
PBAR	Barrancos	158.70	20	ePKPbc	08 31 19.7	+0.2
DBIC	Dimborko	166.72	150	PKP	08 30 46.2	-2.4
	comp=Z,4.8nm,0.8s,baaz=194,slow=3.0,SNR=5.4					
TORD	Torodi Ar. Bea	174.86	179	PKP	08 30 51.5	-1.4
	comp=Z,3.5nm,1.0s,baaz=19,slow=1.7,SNR=13					
TORD	Torodi Ar. Bea	174.86	179	PKPbc	08 32 30.6	-0.5
	comp=Z,0.9nm,0.8s,baaz=177,slow=1.7,SNR=3.9					
TORD	Torodi Ar. Bea	174.86	179	PKP	08 36 23.2	+0.8
	comp=Z,0.8nm,0.7s,baaz=181,slow=2.7,SNR=4.6					

148.08:24:32.7:55.0,19:27.5:177:20E h0km,mb3.8/3,
mbtmp3.8/3, Error ellipse: s-maj=966.8km
s-min=143.1km az=79.0, South of Fiji Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
STKA	Stephens Creek	34.32	241	Op	08 31 21.6	+0.3
	1.9nm,0.5s,baaz=77,slow=10,SNR=3.6					
WRA	Warramunga Arr	40.30	262	P	08 32 11.8	-0.3
	0.3nm,0.3s,baaz=96,slow=7.9,SNR=15					
ASAR	Alice Springs	40.42	256	P	08 32 12.8	-0.2
	0.8nm,0.5s,baaz=91,slow=8.4,SNR=18					
	0.8nm,0.5s					
	148.08:29:56.9:1.5,63.88N:28.40E, h0km, mbtmp3.1/4, ML2.4/4, Error ellipse: s-maj=22.1km s-min=7.6km az=103.0					
	HEL 14 08:29:56.0:1.6,63.98N:28.14E, h0km, ML2.2, Suspected explosion					
	BER 14 08:29:58.4:3.0,63.89N:28.23E, h0km, ML2.1, ML2.2(HEL), Suspected explosion					
	UPP 14 08:29:58.4:2.8,63.89N:27.78E, h0km, ML2.2					
	ISC 14 08:29:56.5:0.7,63.98N:0.02:28.00E:0.03, h0km, n69, e148/112, Finland					
Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
NIF	Nilsia	0.60	188	PG	08 30 08.0	+0.1
NIF	Nilsia	0.60	188	SG	08 30 15.9	+0.3
NIF	Nilsia	0.60	188	PG	08 30 08.0	+0.1
NIF	Nilsia	0.60	188	SG	08 30 15.9	+0.3
RMF	Romuvaara	0.88	73	Pg	08 30 12.7	-0.7
RMF	Romuvaara	0.88	73	Pg	08 30 22.2	
RMF	Romuvaara	0.88	73	Pg	08 30 12.7	-0.7
RMF	Romuvaara	0.88	73	Pg	08 30 22.2	
OUL	Oulu	1.44	322	PN	08 30 24.1	+0.4
OUL	Oulu	1.44	322	SN	08 30 43.3	+0.7
OUL	Oulu	1.44	322	PN	08 30 24.1	+0.4
OUL	Oulu	1.44	322	SN	08 30 43.3	+0.7
OUF	Merijarvi	1.48	287	PG	08 30 44.8	+0.4
OUF	Merijarvi	1.48	287	MSG	08 30 42.9	
OUF	Merijarvi	1.48	287	PG	08 30 45.2	+1.0
OUF	Merijarvi	1.48	287	MSG	08 30 24.8	+0.4
OUF	Merijarvi	1.48	287	PG	08 30 45.2	+1.0
OBF4	Vikela, Lumij	1.51	305	PG	08 30 25.4	+0.6
OBF4	Vikela, Lumij	1.51	305	MSG	08 30 43.7	
OBF4	Vikela, Lumij	1.51	305	PG	08 30 25.4	+0.6
OBF4	Vikela, Lumij	1.51	305	MSG	08 30 43.7	
SUF	Sumiainen	1.51	214	SN	08 30 46.1	+0.9
SUF	Sumiainen	1.51	214	MSG	08 30 25.1	+0.3
SUF	Sumiainen	1.51	214	SN	08 30 46.3	+1.1
SUF	Sumiainen	1.51	214	PG	08 30 25.1	+0.3
SUF	Sumiainen	1.51	214	MSG	08 30 43.2	
SUF	Sumiainen	1.51	214	SN	08 30 46.3	+1.1
SUF	Sumiainen	1.51	214	PG	08 30 25.1	+0.3
SUF	Sumiainen	1.51	214	MSG	08 30 43.2	
SUF	Sumiainen	1.51	214	SN	08 30 46.3	+1.1
SUF	Sumiainen	1.51	214	PG	08 30 25.1	+0.3
SUF	Sumiainen	1.51	214	MSG	08 30 43.2	
SUF	Sumiainen	1.51	214	SN	08 30 46.3	+1.1
SUF	Sumiainen	1.51	214	PG	08 30 25.1	+0.3
SUF	Sumiainen	1.51	214	MSG	08 30 43.2	
OBFO	Syolatti, Pyha	1.73	289	PG	08 30 46.3	+1.1
OBFO	Syolatti, Pyha	1.73	289	MSG	08 30 29.1	+0.1
OBFO	Syolatti, Pyha	1.73	289	PG	08 30 46.3	+1.1
OBFO	Syolatti, Pyha	1.73	289	MSG	08 30 29.1	+0.1
OBFO	Syolatti, Pyha	1.73	289	PG	08 30 46.3	+1.1
OBFO	Syolatti, Pyha	1.73	289	MSG	08 30 29.1	+0.1

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
KU1	Kurvinen	1.73	22	PN	08 30 28.0	+0.3
	baz=205					
KU1	Kurvinen	1.73	22	PN	08 30 28.0	+0.3
KU2	Taivalkoski	1.74	3	SN	08 30 50.7	+0.3
KU2	Taivalkoski	1.74	3	PG	08 30 28.3	+0.3
	baz=185					
KU2	Taivalkoski	1.74	3	SN	08 30 50.7	+0.3
KU2	Taivalkoski	1.74	3	PG	08 30 28.3	+0.3
JOF	Joensuu	1.83	124	eP	08 30 28.8	-0.3
JOF	Joensuu	1.83	124	eP	08 30 28.8	-0.3
JOF	Joensuu	1.83	124	eP	08 30 28.8	-0.3
JOF	Joensuu	1.83	124	eP	08 30 28.8	-0

14d 9h

AEIC 14 09:05:03.7:1.1,61.37N,0.02:150.03W,0.04,h40km,5km, ML3.3,ML3.4/180(NEIC),Error ellipse: s-maj=3.5km s-min=2.6km az=148.0

ISC 14 09:05:03.6:1.1,61.38N,0.03:150.04W,0.03,h40km,7km, n206,c0982/232,Southern Alaska

Table with columns: Code, Station Name, Az, Phase ID, Op, Time, Res, ISC. Lists various seismic stations like Fire Island, Rabbit Creek A, Susitna One, Willow, etc.

2018 DEC

Table with columns: M24K, Station Name, Az, Phase ID, Op, Time, Res, ISC. Lists stations like Tolsona, Glenn, Klutina, Hinchinbrook I, etc.

932

Table with columns: Station Name, Az, Phase ID, Op, Time, Res, ISC. Lists stations like Beaver Creek A, Timber Creek, Kokwok River B, etc.

IDC 14 09:06:24.9:0.2,91.21S,169.19E,h0km,mb4.0/8, mbmp3.9,ML3.7,1,M33.3/3,Error ellipse: s-maj=32.4km s-min=21.6km az=162.0

NOU 14 09:06:26.7:22.10S,169.21E,h0km,MLV4.1/13, South-east of Loyalty Islands

NEIC 14 09:06:27.7:1.0,22.1S,169.2E,0.1,h10km,1km, mb4.5/8,Error ellipse: s-maj=22.4km s-min=17.1km az=350.0

Table with columns: Code, Station Name, Az, Phase ID, Op, Time, Res, ISC. Lists stations like Mare, Loyalty, Pines Island, etc.

VAO 14 09:56:04.0-0.4, 2.99S, 75.38W, h146km, 4km, mb4.5
IGQ 14 09:56:06.1-0.8, 3.30S, 75.67W, h57km, M5.0, h363
ISC 14 09:56:03.0-0.3, 3.00S, 0.04:75.52W, 0.05, 1143km, 3km,
h143km, pP-P, h382, r132/407, mb4.7, 99, 5C,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes stations like PUYO Puyo, Santa Ro, BOSCH San Juan Bosco, SANGA Volcan Sangay, ARDO Archidona, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes stations like PB15 IPOC Station P, AF01 Mount Denham, MTDJ IPOC Station P, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes stations like UALR University of Harrisburg, HBAR Harrisburg, GNAR Gossnell, etc.

14d 10h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res h m s, Res ISC. Includes entries for ZALV Zalesovo Beam and KURBB Kurchatov Arr.

IDC 14 10:04:11.7z.2.6, 11.30Sx162.28E, h0km, mb3.8/4, mbtmp3.9/6, ML4.1/2, MS3.3/7, Error ellipse: s-maj=50.4km s-min=32.9km az=99.0

ISC 14 10:04:17.6z.1.9, 11.4S:02.162z.0:2, h35km, n16, c09597, mb3.8/4, MS3.2/6, Bougainville-Solomon Islands region

Main table for 14d 10h section, listing various stations like HNR Honiara, HNR 31nm,0.3s, JAY Jayapura, STKA Stephens Creek, WRA Warrungarra Arr, ASAR Alice Springs, etc.

HEL 14 10:24:23.1z.0.4, 65.01N-20.38E, h0km, ML1.2, Suspected explosion, Sweden

Table for Hel 14 10:24:23.1z.0.4, listing stations like UMAU Umeaa, OBFO Syolatti, OBFO Merijarvi, etc.

JMA 14 10:25:08.7z.0.5, 46.1N:3.15E, h30km, MV4.2/13, KURILE ISLANDS REGION

SKHL 14 10:25:10.1z.0.7, 44.90N:151.10E, h45km, mb4.6/3, East of Kuril Islands

Main table for JMA and SKHL sections, listing stations like KUR Kuril'sk, SHO Shikotan, YUK Yuzh-Kuril'sk, etc.

IDC 14 10:31:23.8z.7.8, 35.05N:27.33E, h0km, mb3.9/3, mbtmp3.7/4, ML2.6/1, Error ellipse: s-maj=234.4km s-min=111.8km az=123.0

ATH 14 10:31:32.2z.35.71N:26.85E, h40km, 5km, ML3.1/7, Error ellipse: s-maj=5.9km s-min=1.1km az=146.0

ISK 14 10:31:32.4z.35.61N:26.93E, h52km, ML3.0/21 AFAD 14 10:31:32.1z.0.0, 35.65N:27.11E, h27km, 1km, ML2.6

THE 14 10:31:33.2z.35.58N:26.93E, h52km, 2km, ML3.2/8, Error ellipse: s-maj=2.3km s-min=0.6km az=143.0

ISC 14 10:31:32.6z.1.0, 35.59N:26.94E:0.03, h51km, 7km, n66, c0959/4, mb3.8/3, Crete

Table for Crete section, listing stations like KARP Karpathos, KARP Karpathos, etc.

2018 DEC

Main table for 2018 DEC section, listing stations like KARP Karpathos, KARP Karpathos, KARP Karpathos, etc.

IDC 14 10:34:27.0z.3.0, 60.78N:28.84E, h0km, mbtmp4.0/1, ML2.4/1, Error ellipse: s-maj=36.1km s-min=15.5km

HEL 14 10:34:26.6z.0.3, 60.98N:29.02E, h0km, ML1.7, Suspected explosion

ISC 14 10:34:23.7z.1.3, 60.90N:05.29:17E:0.06, h0km, n20, c111/27, Baltic States-Belarus-Northwestern Russia

936

Main table for 936 section, listing stations like RUF Ruokolahiti, RUF Virojoki, VJF Virojoki, etc.

IDC 14 10:39:02.9z.1.2, 30.24S:177.44W, h0km, mb3.8/4, mbtmp3.9/6, ML3.6/2, MS3.5/4, Error ellipse: s-maj=32.8km s-min=22.6km az=91.0

ISC 14 10:39:07.7z.1.1, 30.24S:07.7177W:0.2, h35km, n12, c152/10, mb3.9/4, MS3.4/4, Kermadec Islands

Main table for IDC and ISC sections, listing stations like RAO Raoul Island, URZ Ureua, RPZ Rata Peaks, etc.

IDC 14 10:44:40.8z.755.0, 48.39N:8.60W, h0km, Error ellipse: s-maj=376.8km s-min=163.3km az=77.0, North Atlantic Ocean

Table for North Atlantic Ocean section, listing stations like I26DE FREYUNG INFRAS1476, I48TN KESRA INFRASON1825, etc.

IDC 14 10:51:44.9z.0.9, 37.67N:20.92E, h0km, mb3.9/12, mbtmp3.8/19, ML3.4/5, Error ellipse: s-maj=17.5km s-min=15.8km az=35.0

ATH 14 10:51:45.8z.37.61N:20.73E, h16km, 1km, ML3.5/11, Error ellipse: s-maj=2.2km s-min=0.9km az=31.0

THE 14 10:51:46.3z.37.64N:20.79E, h5km, ML3.3/9, Error ellipse: s-maj=1.2km s-min=0.4km az=48.0

ISC 14 10:51:46.0z.0.8, 37.65N:03.20:81E:0.03, h9km, 4km, n67, c1904/92, mb3.9/12, Ionian Sea

Main table for IDC, ATH, THE, and ISC sections, listing stations like KRII Kithira, LTHK Lithakia, KYPS Kipselli, etc.

Table with columns: Code, Station Name, A° AZ', Phase ID, Time Res, ISC, h m s, ISC. Includes stations like Damouliana-K, Artemida-Makis, Drossia, Fiskardo, Lefkada Island, etc.

Table with columns: Code, Station Name, A° AZ', Phase ID, Time Res, ISC, h m s, ISC. Includes stations like Karatay Array, Keskin Array, etc.

Table with columns: Code, Station Name, A° AZ', Phase ID, Time Res, ISC, h m s, ISC. Includes stations like New Newport, Ybhe Blue Hor, Dease Lake, etc.

Table with columns: Code, Station Name, A° AZ', Phase ID, Time Res, ISC, h m s, ISC. Includes stations like SOME 14 11:12:45.7, NNC 14 11:12:56.2, etc.

Table with columns: Code, Station Name, A° AZ', Phase ID, Time Res, ISC, h m s, ISC. Includes stations like NEIC 14 11:31:55.5, IDC 14 11:31:59.1, etc.

Table with columns: Code, Station Name, A° AZ', Phase ID, Time Res, ISC, h m s, ISC. Includes stations like Stephens Creek, Warramunga Arr, Warramunga Arr, etc.

Table with columns: Code, Station Name, A° AZ', Phase ID, Time Res, ISC, h m s, ISC. Includes stations like IDC 14 11:43:31.7, IDC 14 11:44:26.3, etc.

Table with columns: PRK, SGR, AML, AML, Time, Res, etc. Lists various astronomical objects and their observations.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists station data and observation details.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists station data and observation details.

Table with columns: OTUK, Ortay, 4.7m,0.5s, 5.01, 21 Pg Pb, 12 05 35.1 -0.1, etc.

NOU 14 12:06:47.6, 22:04S:169:28E, h0km, mb4.9, Southeast of Loyalty Islands, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, etc.

IDC 14 12:15:28.3±1.7, 47.03N:155:87E, h0km, mb4.0/5, mbmp3.9/7, ML3.1/2, Error ellipse: s-maj=40.7km

NEIC 14 12:15:31.1±1.3, 47.2N:0.1:155:6E:0.1, h10km, 2km, mb4.1/10, Error ellipse: s-maj=17.3km s-min=13.2km

ISC 14 12:15:31.1±2.4, 47.1N:0.1:155:8E:0.1, h18km, n28, r1515/23, mb4.1/11, East of Kuril Islands

Large table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, etc.

IDC 14 12:41:18.4±0.7, 10:61N:69:53W, h0km, mb3.9/10, mbmp4.0/13, ML3.5/3, MS3.3/10, Error ellipse: s-maj=15.9km s-min=11.6km az=118.0

NEIC 14 12:41:21.3±1.2, 10:61N:0:05:69:43W:0:07, h10km, 1km, mb4.6/13, Error ellipse: s-maj=11.8km s-min=7.9km az=101.0

FUNV 14 12:41:21.5, 10:52N:69:46W, h2km, MW3.9

ISC 14 12:41:19.7±0.9, 10:56N:0:04:69:48W:0:03, h8km, 6km, n63, r1936/73, mb4.4/17, MS3.4/7, 2C-1D, Venezuela

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, etc.

Table with columns: ROSE, EI Rosal, 7.43 221 Pn Pn, 12 43 09.4 +0.5, etc.

SJA 14 13:01:14.0, 30:73S:71:70W, h10km, ML2.7

GUC 14 13:01:14.0, 0.8, 30:91S:71:62W, h32km, 4km, ML2.6

ISC 14 13:01:14.9±1.2, 30:83S:0:04:71:59W:0:07, h30km, 9km, n20, r171/25, 1C-2D, Near coast of Central Chile

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, etc.

IDC 14 13:25:11.5±1.1, 30:25S:177:06W, h0km, mb4.1/3, mbmp4.2/5, ML3.9/2, MS3.7/2, Error ellipse: s-maj=29.8km

ISC 14 13:25:16.0±1.1, 30:48S:0:07:177:3W:0:2, h33km, n16, r197/17, mb4.3/3, Keradec Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, etc.

Table with columns: RPZ, Rata Peaks, 16.14 212 Pn P, 13 29 03.6 +0.3, etc.

NEIC 14 13:25:18.6±0.9, 23:0S:0:3:177:5W:0:2, h207km, 15km, mb4.4/11, Error ellipse: s-maj=45.6km s-min=16.9km az=196.0

IDC 14 13:25:20.6±1.7, 20:27S:177:61W, h32km, 119km, mb3.5/2, mbmp4.1/3, MS3.1/1, Error ellipse: s-maj=202.8km s-min=30.8km az=139.0

ISC 14 13:25:18.6±1.2, 22:29S:0:2:177:5W:0.2, h219km, n23, r093/22, mb4.4/9, South of Fiji Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, etc.

NEIC 14 13:55:54.0±1.1, 61:32N:0:03:149:92W:0:06, h38km, 20km, Error ellipse: s-maj=4.8km s-min=4.4km az=185.0

AEIC 14 13:55:53.2±2.6, 61:31N:0:03:150:03W:0:06, h20km, 8km, s-maj=2.8/18(NEIC), Error ellipse: s-maj=4.6km s-min=10.0km az=160.0, Southern Alaska

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like GLI Glacier Island, M20K Styx River, BRLK Bradley Lake, etc.

IDC 14 14:03:58.0±1.7, 1.99S, 100.37E, h0km, mb3.8/B, mbmp3.7,9,ML3.2/1, MS3.0/1, Error ellipse: s-maj=72.2km s-min=17.4km az=57.0

DJA 14 14:04:05.1±0.6, 2.2S, 101.0E, h14km, 6km, M4, 1/10, MLv4, 1/10

ISC 14 14:04:06.7±0.8, 1.80S, 0.04±100.43E±0.06, h56km, n27, az=157/22, mb3.9/8, 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 PDSI Padang, PPSI Pulau Pagai, KAPI Kappang, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KURBB Kurchatov Arra, ZALV Zalesovo Beam, BVAR Borovoye Array, etc.

UPA 14 14:38:01.9±1.0, 7.53N, 81.45W, h0km, 32km, MW4.1, 1D, Panama

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like GMAL Guarumal, Vera, GMAL Chitre, etc.

IDC 14 15:04:17.6±10.0, 0.13S, 121.52E, h210km, 106km, mb2.8/4, mbtmp3.3/4, Error ellipse: s-maj=351.0km s-min=22.2km az=60, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ASAR 2.2nm, 0.5s, etc.

NEIC 14 15:06:10.5±0.8, 24.4S, 0.2x179.6W±0.2, h526km, 19km, mb4, 1/18, Error ellipse: s-maj=34.5km s-min=18.4km

IDC 14 15:06:20.6±5.3, 23.55S, 179.14E, h564km, 36km, mb3.3/3, mbtmp4.1/4, Error ellipse: s-maj=109.5km s-min=26.6km az=139.0

ISC 14 15:06:11.8±1.5, 24.3S, 0.1x179.7W±0.2, h550km, n28, az=95/27, mb4.2/8, 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 Nonsavu, BZM Mont Dzumak, MRZ Mangatainoka R, etc.

BBOO Buckleboe, AS31 Alice Springs, ASAR Alice Springs, etc.

W2 Warramunga Arr, WB2 Warramunga Arr, WB0 Warramunga Arr, etc.

WRA Warramunga Arr, WRA Warramunga Arr, etc.

FORT Forrest, MTN Mantion Dam, MTN Mantion Dam, etc.

KNRA Kununurra, FITZ Fitzroy Cross, MORW Morawa, etc.

HFS Hagfors, AKASO Malin Array Be, BRTR Keskin Array B, MMAL Mount Meron Ar, etc.

WEL 14 15:12:06.8±0.9, 38.5S±17.7E±1, h173km, 8km, M2, 4/6, MLv2, 4/6, Error ellipse: s-maj=9.8km s-min=5.1km az=123.2, confirmed

ISC 14 15:12:01.5±1.7, 37.37S±0.09, 176.61E±0.06, h200km, n37, az=295/59, North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like URZ Urewera, URZ Urewera, HAZ The Kaha, etc.

URZ Urewera, URZ Urewera, HAZ The Kaha, etc.

RTZ Rutahuna, TLZ Tolley Road, TWGZ Tauwharepara, etc.

MXZ Matakaoa Point, TKGZ The Karaka, TKGZ Puketiti, etc.

PUZ Puketiti, MTHZ Maungataniwha, RIGZ Rimuhau, etc.

CNGZ Carnagh Station, BKZ Black Stump Fm, BKZ Black Stump Fm, etc.

HIZ Hauri, TMVZ Te Maari, NGVZ Ngauruhoe, etc.

MOVZ Moa Whangao, MOVZ Moa Whangao, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CKHZ Cape Kidnapper, CKHZ Pawanui, PWZ Pawanui, etc.

GII 14 15:27:56.5±0.3, 34.51N, 0.03x35.958E±0.007, h2km, MD3.0/3, Mws3.1/8, confirmed

GRAL 14 15:27:57.5±0.3, 34.46N, 35.95E, h7km, 2km, MD3.5

ISK 14 15:27:58.3, 34.52N, 35.60E, h3km, ML2.8/20

NEIC 14 15:27:59.4±0.4, 34.54N, 0.06x35.62E±0.08, h10km, 2km, ML3.2/10, Error ellipse: s-maj=11.8km s-min=9.4km az=103.0

NIC 14 15:27:59.3, 34.78N, 35.94E, h35km, 28km, MI3.0/11

AFAD 14 15:28:00.0±0.0, 34.63N, 35.64E, h43km, 98km, ML2.8

ISC 14 15:27:56.2±0.7, 34.53N, 0.01x35.86E±0.02, h10km, n111, az=116/145, Jordan-Syria region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BEIL Beino, BEIL Beino, FKX Fakehe, etc.

ASUZ comp=N, 160nm, 0.4s

TVER Teveria, TVER Teveria, GOLA Golan Heights, etc.

GOLA Golan Heights, GOLA Golan Heights, RHAN Hatay/Reyhanli, etc.

RHAN Hatay/Reyhanli, RHAN Hatay/Reyhanli, SHGL Shaar Hagolan, etc.

SHGL Shaar Hagolan, SHGL Tahtakopru-Hat, TAHT Tahtakopru-Hat, etc.

BLGI Bet Lehem HaGe, BLGI Bet Lehem HaGe, MNHA Menahamia, etc.

MNHA Menahamia, MVOU Mavrovouni, MVOU Mavrovouni, etc.

MVOU Mavrovouni, MVOU Mavrovouni, IZRL Izrael, etc.

IZRL Izrael, IZRL Izrael, OFRI Ofer, etc.

OFRI Ofer, OFRI Ofer, LFK Lefkoca, etc.

MLLI Mount Malkishu, MMLI Mount Malkishu, MMLI Mount Malkishu, etc.

MMLI Mount Malkishu, MMLI Mount Malkishu, MMLI Mathiatis, etc.

Mathiatis, Mathiatis, Mathiatis, CSS Mathiatis, etc.

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CSS Mathiatis, CSS Mathiatis, CSS Mathiatis, CSS Mathiatis, etc.

14d 16h

Table with columns: Station Name, Az, Az', Phase ID, Time, Res, S, P, I, O, etc. Includes stations like L16K, I21K, I21K, COLA, COLA, COLA, etc.

2018 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, S, P, I, O, etc. Includes stations like mbmp4.0/6, MS3.6/4, Error ellipse, etc.

942

Table with columns: Station Name, Az, Az', Phase ID, Time, Res, S, P, I, O, etc. Includes stations like JHS, JNU, JNU, Nakatsue, etc.

943

Table of station data for call letters 943, including call letters, name, frequency, power, and signal quality.

2018 DEC

Table of station data for call letters 2018 DEC, including call letters, name, frequency, power, and signal quality.

14d 16h

Table of station data for call letters 14d 16h, including call letters, name, frequency, power, and signal quality.

14d 16h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like KURK, KURKB, KURBB, etc.

2018 DEC

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like TTA, GCSA, KSH, KSH, etc.

944

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like SLKM, F22K, H22K, D22K, etc.

Main table containing flight schedules with columns for flight number, aircraft, departure time, status, and arrival time. Includes flight details for various airlines like Hawaiian, Delta, and Alaska.

14d 16h

Table of station data for the '14d 16h' category, including call letters, names, coordinates, and various performance metrics.

2018 DEC

Table of station data for the '2018 DEC' category, including call letters, names, coordinates, and various performance metrics.

946

Table of station data for the '946' category, including call letters, names, coordinates, and various performance metrics.

Table with columns: Station Name, Frequency, Band, Power, Time, Location. Includes stations like KRLC, SURR, VYHS, VYHS, VYHS, etc.

Table with columns: Station Name, Frequency, Band, Power, Time, Location. Includes stations like A051A, BLY, UPM, OBKA, OBKA, etc.

Table with columns: Station Name, Frequency, Band, Power, Time, Location. Includes stations like PLCA, PLCA, LPAZ, LPAZ, LPAZ, etc.

14d 17h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KSRS, CMAR, MSVF, MDJ, URZ, ODZ, SYZ, SONM, YAK, MKAR, QSPA, ILAR.

UCR 14 16:06:38.61.1.8:24N:82.78W, h12km, 19km, MW3.8
UPA 14 16:06:41.1.0.9.8:34N:82.79W, h19km, 7km, MD3.9

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PTPM, DVID, PEDES, LOMA3, MLIR3, PTAR3, BCO2, BRU2, GUAL3, LNB03, PSOM3, CHGR2, MESA3, GUAL3, LLN3, ABEZ, VTCV, CTVT, CALO3, CVTO, ACOS, CHIT3, AZU3, ARE1, BCIP, PLVR, UPA.

AFAD 14 16:11:46.4.0.0.36:89N:29.35E, h7km, 2km, ML1.9
ISK 14 16:11:46.7.36:93N:29.34E, h5km, ML2.1/1.7, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CAME, CAMEL, KNK, KNK, SABU, FETY, DNZT, ELL, IZZE, AMPY, DALY, TAVA, AKAS, DNIZ, KORT, YERK, BASM, ESEN, ARG, MLBS, NAZL, DAT, AYDB, BODT, ODEM, KARP.

IDC 14 16:38:01.5:27.0, 20.71N:145.06E, h0km, mb3.6/3,
mbtmp3.6/3, Error ellipse: s-maj=700.8km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ZALV, MKAR, ILAR.

IDC 14 16:40:57.0.5.25:88S:70.41E, h0km, mb4.3/19,
mbtmp4.3/19, MS3.9/44, Error ellipse: s-maj=16.6km

GCMT 14 16:40:58.3.0.4.25:60S:0.04:70:37E:0.03, h13km, 1km,
MW4.8/81, Moment Tensor Solution. s11,c11; s81,c99;

2018 DEC

M=0.64t:09; M=0.93t:09; M=1.61t:33; M=0.76t:07;
M=1.08t:28; Best double couple: M2.23900x1016
NP13a:281.00000, 664.00000, A-125.00000, NP2:
0x158.00000, 842.00000, A-40.00000. Principal axes:
T 1.6030, Plg12.0000, Azm35.0000; N 1.2690,
Plg31.0000, Azm298.0000; P -2.8750, Plg56.0000,
Azm144.0000; nsta1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function

NEIC 14 16:40:59.3z:2.0.26:0S:0.1x70.6E:0.1, h10km, 1km,
mb4.6/29, Error ellipse: s-maj=20.8km s-min=17.6km

ISC 14 16:40:58.0.5.25:34S:0.10x70.49E:0.09, h10km, n101,
o:092/62, mb4.5/33, MS4.0/44, 5C, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H08S1, H08S2, H08S3, VOI, ABPO, H04N2, H04N1, H04N3, PALK, H01W2, H01W3, H01W1, PSI, BOSA, LEM, LBTB, KMBO, LSZ, MAW, SUR, LODK, MBAR, TSUM, FITZ, KAPI, CM31, CMAR, CMAR, CMAR, CHTO, BRDH, RAYN, SHL, ASAR, ASAR, AS31, WRA, WB2, WRAB, LSA, TROLL, KBL, SNA4, SNA4, SNA4, SNA4, STKA, VNA2, VNA1, VNA3, DAV, QSPA, QSPA, QSPA, EIL, VNDA, MMAI, AAK.

948

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KKAR, CTA, XAN, XAN, GTA, MK31, MKAR, MKAR, MKAR, MKAR, KBZ, BRTR, BRTR, BR131, PMG, ABKAR, ABKAR, ABKAR, KURBB, AKTO, TORD, TORD, TORD, BVAR, BVAR, DBIC, SONM, SONM, ZALV, ZALV, MLR, JNU, ARTI, PMSA, KSR3, KSR3, KSR3, AKAS, YVHS, LANS, VRAN, MJAR, USRK, ASAJ, MSVF, YAK, YKA, ULM.

NNC 14 17:21:47.6:1.2.42:20N:80.89E, h0km, mb3.1, mpv3.0,
Error ellipse: s-maj=8.1km s-min=6.1km az=158.0
SOME 14 17:21:53.3.42:53N:80.77E, h1km
KRNET 14 17:21:54.5:0.1.42:15N:80.62E, mb2.6
ISC 14 17:21:50.0:2.4.42:43N:0.07:80:86E:0.07, h7km, 12km,
n49, c220/83, 7C-10D, Kyrgyzstan-Xinjiang border

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SHLS, SHLS, SHLS, PDGK, PDGK, UZB, UZB, UZB, PRZ, PRZ, KPKS, KPKS, SATY, SATY, SATY, ZHN, ZHN, ZHN, DJR, DJR, DJR, KURS, KURS, KURS.

Table with columns: KURS, KNOS, ANVS, BLB, etc. containing station names, coordinates, and various data points.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes detailed station data such as RSSD Black Hills, N23A Red Feather, etc.

Table with columns: NEIC, Code, Station Name, Azimuth, Phase ID, Time, Res. Contains NEIC station data and various codes like OK038, WY, etc.

NEIC 14 17:33:10.2, 2.5, 43.66N, 0.02, 105.55W, 0.07, h0km, mb3.6/5, ML3.2/30, Error ellipse: s-maj=9.1km s-min=2.7km az=292.0

NEIC 14 17:33:13.3, 1.9, 44.07N, 105.89W, h0km, mbmp3.5/2, ML3.0/2, Error ellipse: s-maj=61.3km s-min=9.7km az=147.0

NEIC 14 17:33:08.1, 0.9, 43.68N, 0.05, 105.79W, 0.05, h0km, mb18, 1566/17, Wyoming

NEIC 14 17:45:18.2, 0.36, 44N, 0.01, 98.80W, 0.02, h5km, 1km, Error ellipse: s-maj=3.4km s-min=2.4km az=273.0

NEIC 14 19:06:01.1, 1.2, 379S, 141.40E, h0km, mb3.5/4, mbmp3.5/6, ML3.2/1, MS3.6/1, Error ellipse: s-maj=42.4km s-min=14.5km az=68.0

ISC 14 19:06:07.1,0.9,3.9S,0.1x141.4E,0.2,h54km,n8,+1973/8,

mb3.6/4, New Guinea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JAY Jayapura, PMG Port Moresby, WRA Warrungarra Arr, ASAR Alice Springs, etc.

ISC 14 19:16:58.6,3.0,20.26Sx177.80W,h529km,32km, mb3.3/4, mbtmp4.2/5, Error ellipse: s-maj=76.6km

s-min=38.9km az=25.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MSFV Nonsavu, STKA Stephens Creek, ASAR Alice Springs, etc.

BUI 14 19:27:26.0,0.00N,123.00E,h155km,mb4.8/70,mb5.1/27 MOS 14 19:27:26.5,1.1,0.01N,122.86E,h168km,mb4.8/34, Error ellipse: s-maj=8.5km s-min=4.7km az=116.4

GCMT 14 19:27:26.6,0.1,0.15S,0.01x122.97E,0.01,h161km,1km, MW5.2/139, Moment Tensor Solution. s94,c121; s139,c238; Duration: 1s0 Moment tensor: Scale 1017 Nm; Mn=0.63c1; Mo=0.65c1; Mw=0.01c1; Mt=0.50c1; Ms=0.23c2; Mv=0.06c1; Best double couple: Mo.84800x1017 NP2: s66.00000, s64.00000, s105.00000. NP2: s56.00000, s30.00000, s62.00000. Principal axes: T 0.8290, P168.0000, Azm206.0000; N 0.0370, P13.0000, Azm81.0000; P -0.8670, P14.0000, Azm346.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

Triangular moment-rate function

NEIC 14 19:27:26.7,0.14S,122.96E,h150km, Moment Tensor Solution. Duration: 2s0 Moment tensor: Scale 1016Nm; Mn=5.81; Mo=5.85; Mw=0.04; Ms=3.52; Mt=1.68; Mv=0.95; Fault plane solution: Mo7.08000x1016 NP1: s27.0,18000, s60.60000, s105.93000. NP2: s60.02000, s33.10000, s64.04000. Principal axes: T 7.0648, P197.0000, Azm215.0000; N 0.0342, P14.0000, Azm82.0000; P -0.7090, P14.0000, Azm346.0000.

NEIC 14 19:27:26.7,0.04S,122.96E,h150km, Moment Tensor Solution. Duration: 2s0 Moment tensor: Scale 1016Nm; Mn=5.81; Mo=5.85; Mw=0.04; Ms=3.52; Mt=1.68; Mv=0.95; Fault plane solution: Mo7.08000x1016 NP1: s27.0,18000, s60.60000, s105.93000. NP2: s60.02000, s33.10000, s64.04000. Principal axes: T 7.0648, P197.0000, Azm215.0000; N 0.0342, P14.0000, Azm82.0000; P -0.7090, P14.0000, Azm346.0000.

NEIC 14 19:27:26.7,0.1,0.04S,122.96E,h150km, Moment Tensor Solution. Duration: 2s0 Moment tensor: Scale 1016Nm; Mn=5.81; Mo=5.85; Mw=0.04; Ms=3.52; Mt=1.68; Mv=0.95; Fault plane solution: Mo7.08000x1016 NP1: s27.0,18000, s60.60000, s105.93000. NP2: s60.02000, s33.10000, s64.04000. Principal axes: T 7.0648, P197.0000, Azm215.0000; N 0.0342, P14.0000, Azm82.0000; P -0.7090, P14.0000, Azm346.0000.

NEIC 14 19:27:26.7,0.1,0.04S,122.96E,h150km, Moment Tensor Solution. Duration: 2s0 Moment tensor: Scale 1016Nm; Mn=5.81; Mo=5.85; Mw=0.04; Ms=3.52; Mt=1.68; Mv=0.95; Fault plane solution: Mo7.08000x1016 NP1: s27.0,18000, s60.60000, s105.93000. NP2: s60.02000, s33.10000, s64.04000. Principal axes: T 7.0648, P197.0000, Azm215.0000; N 0.0342, P14.0000, Azm82.0000; P -0.7090, P14.0000, Azm346.0000.

NEIC 14 19:27:26.7,0.1,0.04S,122.96E,h150km, Moment Tensor Solution. Duration: 2s0 Moment tensor: Scale 1016Nm; Mn=5.81; Mo=5.85; Mw=0.04; Ms=3.52; Mt=1.68; Mv=0.95; Fault plane solution: Mo7.08000x1016 NP1: s27.0,18000, s60.60000, s105.93000. NP2: s60.02000, s33.10000, s64.04000. Principal axes: T 7.0648, P197.0000, Azm215.0000; N 0.0342, P14.0000, Azm82.0000; P -0.7090, P14.0000, Azm346.0000.

NEIC 14 19:27:26.7,0.1,0.04S,122.96E,h150km, Moment Tensor Solution. Duration: 2s0 Moment tensor: Scale 1016Nm; Mn=5.81; Mo=5.85; Mw=0.04; Ms=3.52; Mt=1.68; Mv=0.95; Fault plane solution: Mo7.08000x1016 NP1: s27.0,18000, s60.60000, s105.93000. NP2: s60.02000, s33.10000, s64.04000. Principal axes: T 7.0648, P197.0000, Azm215.0000; N 0.0342, P14.0000, Azm82.0000; P -0.7090, P14.0000, Azm346.0000.

NEIC 14 19:27:26.7,0.1,0.04S,122.96E,h150km, Moment Tensor Solution. Duration: 2s0 Moment tensor: Scale 1016Nm; Mn=5.81; Mo=5.85; Mw=0.04; Ms=3.52; Mt=1.68; Mv=0.95; Fault plane solution: Mo7.08000x1016 NP1: s27.0,18000, s60.60000, s105.93000. NP2: s60.02000, s33.10000, s64.04000. Principal axes: T 7.0648, P197.0000, Azm215.0000; N 0.0342, P14.0000, Azm82.0000; P -0.7090, P14.0000, Azm346.0000.

NEIC 14 19:27:26.7,0.1,0.04S,122.96E,h150km, Moment Tensor Solution. Duration: 2s0 Moment tensor: Scale 1016Nm; Mn=5.81; Mo=5.85; Mw=0.04; Ms=3.52; Mt=1.68; Mv=0.95; Fault plane solution: Mo7.08000x1016 NP1: s27.0,18000, s60.60000, s105.93000. NP2: s60.02000, s33.10000, s64.04000. Principal axes: T 7.0648, P197.0000, Azm215.0000; N 0.0342, P14.0000, Azm82.0000; P -0.7090, P14.0000, Azm346.0000.

NEIC 14 19:27:26.7,0.1,0.04S,122.96E,h150km, Moment Tensor Solution. Duration: 2s0 Moment tensor: Scale 1016Nm; Mn=5.81; Mo=5.85; Mw=0.04; Ms=3.52; Mt=1.68; Mv=0.95; Fault plane solution: Mo7.08000x1016 NP1: s27.0,18000, s60.60000, s105.93000. NP2: s60.02000, s33.10000, s64.04000. Principal axes: T 7.0648, P197.0000, Azm215.0000; N 0.0342, P14.0000, Azm82.0000; P -0.7090, P14.0000, Azm346.0000.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LUWI Luwuk, KAPI Kappang, BBSI Bau Bau, MSKI Samarinda, etc.

Table with columns: Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FAKI Fak Fak, WSI Waingapu, BATI Baunata, etc.

Table with columns: Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KULM Kulim, QIZ Qiongzong, TPUB Ta-pu, etc.

951

Table with columns for station call letters, frequency, and signal strength. Includes stations like WHN, KLBR, KMI, MULG, MUN, INKA, etc.

2018 DEC

Table with columns for station call letters, frequency, and signal strength. Includes stations like MAJO, MJAR, SHL, LZH, ARPS, etc.

14d 19h

Table with columns for station call letters, frequency, and signal strength. Includes stations like ULN, SONM, YSS, GRNR, ZEA, etc.

14d 19h

2018 DEC

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Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like Lake Benmore, Mataniki Terra, The Paps, KBL, KBL, KBL, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like BRLS Borolday, BRLS Borolday, BRZS Berezinski, HRA Herat, SEY Seymchan, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like R17L Mt. Peulik Vol, P17K Kvichak River, H18K Honhosha River, G18K Tagagawik, etc.

Table with columns for station ID, name, coordinates, elevation, and status. Includes stations like ANATUKIV RIVER, COAL CREEK, and many others. The table is organized into columns and rows, with some rows containing multiple station entries.

Table of astronomical data with columns for object name (e.g., SADO, MIAR, Q48B), coordinates, and other parameters like PKP, PKPdf, PKIKP, PKIKPb.

Table of astronomical data with columns for object name (e.g., M26K, L26K, L26K), coordinates, and other parameters like IAML, Pn, Pb, Sg, Sn.

JMA 14 19:28.46.0, 2.38°4N, 0.78, 14°5E, h43km, MV3.6/29, FAR E OFF NORTH HONSHU, Off east coast of Honshu. Table with columns: Code, Station Name, A° AZ', Phase ID, Time, Res.

Table of astronomical data with columns: Code, Station Name, A° AZ', Phase ID, Time, Res. Includes objects like HURO, HURO, HURO.

AUST 14 19:48:15.9, 0.18°S, 0.11°E, h10km, mb4.2/22, ML2.7/7, Error ellipse: s-maj=22.4km s-min=8.7km az=143.2, Northwest of Australia. Table with columns: Code, Station Name, A° AZ', Phase ID, Time, Res.

Table of astronomical data with columns: Code, Station Name, A° AZ', Phase ID, Time, Res. Includes objects like DZM, YATN, PMG, CTA, WRA.

IDC 14 21:53:01.2, 0.6, 2.1°84S; 169.13E, h0km, mb4.5/17, mbmp4.5/20, ML4.6/3, MS3.8/7, Error ellipse: s-maj=16.6km s-min=16.1km az=153.0. NOU 14 21:53:04.6, 2.198S; 168.97E, h0km, MLV4.4/9, Loyalty Islands.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, Azimuth, Elevation, etc. Includes stations like MARNC, YATNC, OUCNC, DZM, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, Azimuth, Elevation, etc. Includes stations like MAW, BNK, CMAR, etc.

Main table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, Azimuth, Elevation, etc. Includes stations like PZH, PZH, XLT, HHC, MA2, ELIB, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, Azimuth, Elevation, etc. Includes stations like IDC, FITZ, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, Azimuth, Elevation, etc. Includes stations like FITZ, WRA, ASAR, MKAR, etc.

IDC 14 22:14:28.3-2.3, 6.78S-129.08E, h0km, mb3.4/1, mbmtmp3.5/4, ML3.3/3, Error ellipse: s-maj=86.0km

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, etc. Includes stations like FITZ, WRA, ASAR, MKAR, etc.

ISN 14 22:31:09.9-0.8, 34.40N-145.72E, h6km, 5km, ML2.7, TEH 14 22:31:10.8, 34.38N-145.72E, h10km, 156km, ML2.8

ISC 14 22:31:11.5-1.1, 34.39N-104.4575E, 0.04, h4km, 12km, n11, 0574/16, Iran-Iraq border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, etc. Includes stations like KGSJ, GLG1, IDHR, etc.

NOU 14 22:45:38.7, 42.51S-174.00E, h0km, MLV3.6/11, Off E, Coast of S. Island, N.Z.

WEL 14 22:45:41.1, 0.3, 42.52S-17.4E, h5km, M3.0/12, ML3.3/12, MLV3.0/12, Error ellipse: s-maj=4.5km

ISC 14 22:45:40.5-0.9, 42.25S-172.07374E, 0.03, h15km, 7km, n70, <100/88, South Island

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, etc. Includes stations like KKSJ, KHZ, WDFS, etc.

14d 23h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Te Maari, Otahua Downs, etc.

IDC 14 22:52:06.1e.2.3, 23.34Sx174.73W, h0km, mb3.9/3, mbtmp3.0/4, ML5.0/1, MS3.1/1, Error ellipse: s-maj=70.4km

ISC 14 22:52:11.7-2.1, 23.35S, 0.3x174.8W, 0.3, h35km, n6, s=127.6, mb3.8/3, Tonga Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Nonsavu, Warramunga Arr, etc.

IDC 14 23:14:41.1-0.8, 1.89N, 102.25W, h0km, mb4.0/10, mbtmp4.0/10, MS3.8/23, Error ellipse: s-maj=40.4km

ISC 14 23:14:45.8-0.9, 2.1N, 0.1x102.05W, 0.09, h10km, 2km, mb4.5/16, Error ellipse: s-maj=28.7km s-min=5.3km

ISC 14 23:14:43.1-0.8, 1.9N, 0.1x102.2W, 0.2, h10km, n53, s=1521/29, mb4.3/14, MS3.7/21, Galapagos Triple Junction region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Tiapa, Matias Romero, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Rosal, Nana, Rapa Nui, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Puerto La Cruz, Toone Canyon, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Pan de Azucar, Yreka Blue Hor, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Dease Lake, Rarotonga, etc.

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Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Alice Springs, Warramunga Arr, etc.

NEIC 14 23:28:43.0-1.3, 61.43N, 0.03x150.07W, 0.05, h33km, 2km, Error ellipse: s-maj=4.9km s-min=2.8km az=160.0

AEIC 14 23:28:42.7-1.6, 61.37N, 0.03x150.08W, 0.05, h24km, 7km, ML2.5, ML2.7/38(NEIC), Error ellipse: s-maj=4.5km s-min=2.5km az=141.0, Southern Alaska

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Willow, Palmer, etc.

SDD 14 23:30:15.0-2.2, 19.82N, 70.50W, h19km, 94km, MD3.5, ML3.6

OSPL 14 23:30:18.8-2.0, 19.56N, 70.51W, h0km, 14km, ML2.0

ISC 14 23:30:14.8-1.2, 19.66N, 0.04x70.47W, 0.03, h5km, 12km, n15, s=0777/25, 14C, Dominican Republic region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Santiago de lo, Nagua, etc.

THE 14 23:36:55.3, 37.60N, 20.66E, h7km, 4km, ML2.6/9, Error ellipse: s-maj=4.6km s-min=0.6km az=58.0

ATH 14 23:36:55.1, 37.58N, 20.62E, h7km, 5km, ML2.6/2, Error ellipse: s-maj=5.8km s-min=1.1km az=33.0

ISC 14 23:36:55.1-1.4, 37.59N, 0.05x20.64E, 0.05, h9km, 9km, n24, s=049/42, Ionian Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KERI, Lithakia, etc.

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Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Ratzaki, Kefa, etc.

IDC 14 23:46:10.9-0.7, 1.90N, 102.23W, h0km, mb4.1/11, mbtmp4.1/13, ML3.8/2, MS4.2/49, Error ellipse: s-maj=29.5km s-min=16.1km az=63.0

GCMT 14 23:46:14.5-0.2, 1.88N, 0.01x102.19W, 0.01, h12km, MW5.0/113, Moment Tensor Solution, s57, c68, s113, c171; Duration: 0 Moment tensor: Scale 10^16Nm; Mm=1.43e-11; Mw=2.11e-09; Ms=3.54e-11; Mb=0.82e-27; Mw=3.35e-09; Mw=1.09e-29; Best double couple: Mw=68100x1016 NP1=343.00000, s78.00000, lambda=159.00000, NP2=248.00000, s69.00000, lambda=13.29000, Principal axes: T 5.1610, Plg6.0000, Azm114.0000; N -0.9590, Plg65.0000, Azm12.0000; P -4.2020, Plg24.0000, Azm207.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NEIC 14 23:46:14.5-1.9, 1.81N, 0.05x102.17W, 0.1, h10km, 1km, mb4.7/13 Error ellipse: s-maj=22.0km s-min=8.8km az=273.0

ISC 14 23:46:13.1-0.6, 1.80N, 0.08x102.2W, 0.1, h10km, n210, s=0189/158, mb4.7/61, MS4.3/47, Galapagos Triple Junction region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Tiapa, Retalhuleu, etc.

Table of satellite data for the 957 region, including station names, coordinates, and technical specifications.

Table of satellite data for the 2018 DEC region, including station names, coordinates, and technical specifications.

Table of satellite data for the 15d 2h region, including station names, coordinates, and technical specifications.

15d 3h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like GKS1 Ghasr-e-Shirin, IDHR Dehrah, IGHG Ghalehaz, ILBA Ilam Banvizeh, etc.

SDD 15 02:19:26.4±1.5, 18°37'N; 70°32'W, h32km, 7km, MD2.6, ML2.1, MW2.2

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like BANI BANI, SDD Santo Domingo, SDD Santo Domingo, etc.

IGIL 15 02:42:22.1, 38°9'N; 12°56'W, h31km, ML1.9
MDD 15 02:42:22.9±1.3, 39°02'N; 12°38'W, h32km, 5.3km, Mb4.1/9,
M_m3.4/7, Error ellipse: s-maj=28.5km s-min=6.6km az=84.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like PMAFR Mafru, PMAFR Mafru, PSBE So Bento, etc.

2018 DEC

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like EGRO El Granado, EGRO El Granado, EGRO El Granado, etc.

NOU 15 02:50:54.4, 42°48'S; 173°96'E, h12km, MLv3.6/11, South Island, New Zealand
WEL 15 02:50:55.0±0.4, 42°S; 174°E, h13km, 3km, M3.1/7,
ML2.5/17, MLv3.2/17, Error ellipse: s-maj=5.7km
s-min=2.6km az=122.1, confirmed

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like KIKS Kaikoura, KHZ Kahutara, KEKS Kaheregu Vall, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like TDHS Te Araroa Dist, MXZ Matakaoa Point, PUZ Pakutiiti, etc.

NEIC 15 03:37:07.5±1.9, 3°54'S; 0°09', 101.6E; 0.1, h51km, 3km,
mb4.5/20, Error ellipse: s-maj=18.4km s-min=7.8km
az=47.0
DJA 15 03:37:07.9±1.1, 4°S; 4°10'E, h39km, 32km, M4.5/12,
mb6.6/MLV4.5/12
IDC 15 03:37:08.1±1.0, 3°51'S; 101°53'E, h71km, 6km, mb3.9/16,
mbmp4.2/17, MS2.9/3, Error ellipse: s-maj=32.3km
s-min=10.2km az=53.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like KSI Kapahiang, MNAI Manna, MNAI Manna, etc.

NEIC 15 05:12:26.9:1.7, 61.40N:0.05:150.03W:0.07, h40km, 4km, Error ellipse: s-maj=7.8km s-min=4.0km az=152.0
AEIC 15 05:12:26.6:1.8, 61.35N:0.04:150.08W:0.06, h20km, 7km, ML2.8, ML3.0/59(NEIC), Error ellipse: s-maj=6.2km s-min=3.9km az=206.0

ISC 15 05:12:27.6:1.1, 61.38N:0.05:150.09W:0.04, h42km, n41, 0597/43, Southern Alaska

Table with columns: Code, Station Name, Δ° AZ, Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists stations like Willow, Palmer, Strandline Lak, Styx River, Tolsona, Glenn, etc.

NEIC 15 05:18:45.0:1.1, 61.49N:0.02:150.01W:0.06, h45km, 7km, Error ellipse: s-maj=4.1km s-min=2.7km az=107.0
AEIC 15 05:18:44.8:2.3, 61.44N:0.03:150.08W:0.05, h20km, 6km, ML3.2, ML3.3/110(NEIC), Error ellipse: s-maj=4.0km s-min=3.8km az=224.0, Southern Alaska

Table with columns: Code, Station Name, Δ° AZ, Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists stations like Fire Island, Willow, Susitna One, Rabbit Creek, Palmer, etc.

Table with columns: Code, Station Name, Δ° AZ, Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists stations like Skilak Lake, Chulitna, Cooper Landing, Port Wells, etc.

NEIC 15 05:23:29.5:1.9, 61.39N:0.02:150.17W:0.02, h20km, 3km, ML2.8, ML3.0/56(NEIC), Error ellipse: s-maj=2.9km s-min=1.6km az=181.0
NEIC 15 05:23:30.0:1.5, 61.44N:0.03:150.14W:0.07, h34km, 10km, Error ellipse: s-maj=5.8km s-min=2.8km az=46.0

Table with columns: Code, Station Name, Δ° AZ, Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists stations like Willow, Susitna One, Rabbit Creek, Palmer, etc.

ISC 15 05:23:30.5:1.4, 61.43N:0.07:150.18W:0.04, h42km, n46, 0597/48, Southern Alaska

Table with columns: Code, Station Name, Δ° AZ, Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists stations like Willow, Susitna One, Rabbit Creek, Palmer, etc.

Table with columns: Code, Station Name, Δ° AZ, Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists stations like Tolsona, Glenn, Iliamna South, Bonanza Creek, etc.

DJA 15 05:28:55.8:0.4, 1°N:4°E, h23km, 5km, M3.9/13, mb4.1/3, MLv3.8/13, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Δ° AZ, Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists stations like Marisa, Cibinong, Luwuk, Ampana, etc.

IDC 15 05:34:32.4:6.1, 1.86S:149.09E, h0km, mb3.5/2, mbmt3.6/2, Error ellipse: s-maj=260.3km s-min=51.2km az=107.0, New Ireland region

Table with columns: Code, Station Name, Δ° AZ, Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists stations like Warramunga Arr, Alice Springs, Torodi Arr, etc.

IDC 15 05:41:14.0:2.3, 4.59S:151.51E, h0km, mb3.7/3, mbmt3.8/4, ML1.5/1, Error ellipse: s-maj=92.9km s-min=35.0km az=130.0

ISC 15 05:41:14.7:1.7, 4.55S:0.4:151.6E:0.5, h10km, n6, 01935/7, mb3.6/3, New Britain region

Table with columns: Code, Station Name, Δ° AZ, Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists stations like Moresby, Warramunga Arr, Alice Springs, etc.

IDC 15 05:42:06.4:1.5, 61.49N:150.18W, h57km, 18km, mb3.5/6, mbmt3.6/10, ML2.9/4, Error ellipse: s-maj=26.5km s-min=10.2km az=113.0

Table with columns: Code, Station Name, Δ° AZ, Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists stations like Willow, Susitna One, Rabbit Creek, Palmer, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Susitna One, Rabbit Creek A, Palmer, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Castle Rocks, Bonanza Creek, McKinley, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Malin Array Be, Warramunga Arr, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details for various stations.

RSNC 15 05:52:29.9:0.6 N 3: 8'33"W, h0km, M2.9, mb4.3, mb4.6, ML2.4, Mw(mb)3.8, South of Panama

Table listing station codes and names for the RSNC network, including GMAL, BCIPI, PTAC, etc.

NEIC 15 06:09:27.5:1.2, 3.6'ASN, 0'02:98.78W, 0'03:h5km, 2km, mb Lg3.1/92, ML3.3/34, Error ellipse: s-maj=4.6km

Table listing station codes and names for the NEIC network, including OK038, NOKA, CROK, etc.

Table listing station codes and names for the 2018 DEC network, including KSU1, RTBA, KDBA, etc.

SJA 15 06:35:22.6:0.8, 24:72S:68:72W, h148km, 5km, ML3.7, MW3.3

ISC 15 06:35:25.9:0.8, 24:61S:68:84W, h132km, 6km, ML3.8

ISC 15 06:35:25.9:1.3, 24:85S:0'03:68.74W, 0'05, h146km, 1.2km, n33, s159/60, 4C, Chile-Argentina border region

Table listing station codes and names for the ISC network, including GO02, GO02, GO02, etc.

Table listing station codes and names for the 962 network, including PB01, PB01, PB01, etc.

NNC 15 07:01:31.9:1.4, 52:06N:74:50E, h0km, mb3.1, mpv2.7, Error ellipse: s-maj=89.7km, s-min=7.8km az=26.0, Suspected Mining explosion, IDC 15 07:01:32.6:1.2, 51:73N:74:18E, h0km, mbmp2.5/2, ML1.8/2, Error ellipse: s-maj=37.4km s-min=8.9km az=27.0

ISC 15 07:01:24.8:1.2, 53:01N:0'09:75.36E, 0'05, h0km, n10, s192/9, 5C-33, Eastern Kazakhstan

Table listing station codes and names for the ISC network, including BVA0, BVA0, BVA0, etc.

NEIC 15 07:15:36.3:2.5, 19:12S:0'10:172:94W, 0'08, h10km, 1km, mb4.5/8, Error ellipse: s-maj=16.4km s-min=13.3km

IDC 15 07:15:40.2:4.5, 19:38S:173:61W, h94km, 39km, mb3.7/13, mb1mp4.1/14, MS3.8/2, Error ellipse: s-maj=24.1km s-min=20.1km az=135.0

ISC 15 07:15:39.3:0.5, 19:25S:0'11:173:5W, 0'1, h10km, n56, s194/47, mb4.3/17, 6C-2D, Tonga Islands

Table listing station codes and names for the ISC network, including NIJE, NIJE, NIJE, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like PanZhiHua, Songino Array, Malin Array, etc.

IDC 15 07:18:60.0-1.6, 17:16S; 168:00E, h0km, mb4.3/11, mbmp4.3/13, ML4.6/2, MS4.0/28, Error ellipse: s-maj=24.7km s-min=19.1km az=131.0

NOU 15 07:19:00.1, 16:24S; 168:25E, h0km, MLv4.8/17, Vanuatu Islands

BJI 15 07:19:01.8, 16:85S; 168:00E, h20km, mb4.8/15, mBS.3/7, GCMT 15 07:19:02.9, 16:30S; 0:02, 168:16E, 0:02, h12km, 2km, MW4.8/76, Moment Tensor Solution. s13.c14; s76.c97; Duration: 0 Moment tensor: Scale 10^19Nm; Mw0.04; 08; Mw1.22; 09; Mw1.12; 08; Mw1.02; 22; Mw1.10; 07; Mw0.75; 28; Best double couple: Mo1.83400; 1016; NP1=156.00000, 865.00000, -1.25.00000; NP2: 0.246.00000, 865.00000, -1.179.00000; Principal axes: T 1.7830, Plg17.00000, Azm204.00000; N 0.0970, Plg65.00000, Azm333.00000; P -1.8840, Plg18.00000, Azm108.00000; ns1a1 refers to body waves, cutoff=40s. ns1a2 refers to surface waves, cutoff=50s. Triangular moment tensor function

NEIC 15 07:19:04.0, 16:16.3S; 0:1; 168:0E, 0.1, h23km, 5km, mb4.9/29, Error ellipse: s-maj=21.0km s-min=15.1km az=104.0

ISC 15 07:19:02.3-0.5, 16:35S; 0:06; 168:05E, 0.07, h10km, n93, s=103/72, mb4.7/30, MS4.1/25, 4C, Vanuatu Islands

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like VLAKA, DVP, KOUNC, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like XLT, PZH, PZH, HHC, etc.

IDC 15 07:19:05.7-1.3, 24:20N; 142:62E, h0km, mb3.8/9, mbmp3.8/9, Error ellipse: s-maj=40.5km s-min=22.8km

ISC 15 07:19:11.1-1.2, 24:22N; 0:2; 142:6E, 0:3, h35km, n9, s=093/9, mb3.8/9, Volcano Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like CMAR, WRA, ASAR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like VRZ, VRZ, PKOKA, etc.

IDC 15 07:45:26.5-4.0, 8:35.76S; 178:10E, h166km, 31km, mb3.5/3, mbmp4.0/4, Error ellipse: s-maj=59.0km s-min=22.6km az=49.0

WEL 15 07:45:31.4-0.9, 36:5.8; 8:17.8E; h186km, 10km, M3.7/17, ML4.0/10, MLv3.7/17, Error ellipse: s-maj=13.2km s-min=8.1km az=52.6, confirmed

ISC 15 07:45:31.4-1.1, 3:36.18S; 0:09; 177:96E, 0.10, h201km, 8km, n42, s=101/53, mb3.6/3, Off east coast of North Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like MXZ, MXZ, MXZ, etc.

IDC 15 07:48:54.3-30.0, 6:31N; 127:09E, h0km, mb3.9/4, mbmp3.9/4, Error ellipse: s-maj=51.6km s-min=126.7km az=164.0, Philippine Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like FITZ, FITZ, WRA, etc.

NEIC 15 08:14:38.1-2.2, 21:6S; 0:1; 177:1W; 0:1, h275km, 15km, mb4.1/11, Error ellipse: s-maj=20.5km s-min=15.7km az=165.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VYH, BZS, DPC, UPCI, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WEL, GLXZ, MYKA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA, ASAR, MKAR.

116nm,0.3s,baz=151,slow=22,SNR=12
46nm,0.3s
DZM Mont Dzumac 2.52 264 P Pn 09 22 37.5 -0.6

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LTHK, RLS, DMLN, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KURBB, MKAR, ZALV, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DZM, ONTC, NOUNC, etc.

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

Table with columns: BAND, comp, E, I, AML, AML, 09 26 30.0, and various station codes and times.

Table with columns: SEV, comp, E, 6.0nm, 0.2s, Sm, 09 28 35.7, and various station codes and times.

Table with columns: URZ, 5.0nm, 0.3s, baz=179, slow=3.6, SNR=3.6, and various station codes and times.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SNAE, VNA3, VNA2, MJAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LPSR, OBN, KBZ, KIV, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like G19K, B20K, IMAR, etc.

IDC 15 09:59:19.2±3.3, 24.26N±142.73E, h0km, mb3.8/5, mbtm3.8/5, Error ellipse: s-maj=139.5km

s-min=32.3km az=77.0, Volcano Islands region

Code Station Name Az' Az'' Phase ID Time Res ISC

WRA Warramunga Arr 44.69 191 P P 10 07 34.0 -0.2

MKAR Makanchi Array 52.68 311 P P 10 08 35.4 0.0

KURBB Kurchatov Arra 55.39 316 P P 10 08 54.7 -0.4

BVAR Borovoye Array 60.47 319 P P 10 09 31.2 +0.4

FINES FINES Array B 80.70 334 P P 10 11 33.8 -0.1

SJA 15 10:18:18.0, 37.23S:71.90W, h132km, ML4.1

NEIC 15 10:18:19.1±1.2, 37.26S:0.06E:71.89W:0.06

h137km, 10km, mb4.1/8, Error ellipse: s-maj=9.5km

s-min=5.3km az=151.0

GUC 15 10:18:20.6±0.8, 37.33S:71.76W, h107km±6km, ML4.2

ISC 15 10:18:18.9±0.7, 37.26S:0.04E:71.85W:0.06, h122km±8km

n90, ±1923.10m, mb4.2/4, 14C-1D, Southem Chile-Argentina border region

Code Station Name Az' Az'' Phase ID Time Res ISC

B102 San Fabin de 0.75 38 P P 10 18 39.2 +0.2

B102 San Fabin de 0.75 38 P P 10 18 39.2 +0.2

CANA Cavihuue 0.89 135 P P 10 18 40.6 +0.3

B105 Punta Hualpin 1.19 295 P P 10 18 44.9 +1.9

B105 Punta Hualpin 1.19 295 P P 10 19 02.8 +1.7

B105 Punta Hualpin 1.19 295 P P 10 19 02.8 +1.6

B105 Punta Hualpin 1.19 295 P P 10 19 04.1

M102 Panimavida 1.53 13 P P 10 18 48.0 +1.1

M102 Panimavida 1.53 13 P P 10 18 48.1 +1.3

M102 Panimavida 1.53 13 P P 10 19 08.8 +0.8

M102 Panimavida 1.53 13 P P 10 19 15.4

M102 Panimavida 1.53 13 P P 10 18 47.5 +0.7

LC02 Puerto Saavedr 1.95 218 P P 10 18 52.7 +0.9

B104 Isla Mocha 1.98 234 P P 10 18 52.6 +0.4

B104 Isla Mocha 1.98 234 P P 10 19 17.5 -0.9

GO05 Hualane 2.24 358 P P 10 18 57.1 +1.6

GO05 Hualane 2.24 358 P P 10 18 57.2 +1.6

GO05 Hualane 2.24 358 P P 10 19 24.9 +1.3

GO05 Hualane 2.24 358 P P 10 19 25.9

GO05 Curarehue 2.24 358 P P 10 18 56.6 +1.1

GO06 Curarehue 2.34 173 P P 10 18 57.6 +0.8

GO06 Curarehue 2.34 173 P P 10 18 57.8 +1.0

GO06 Curarehue 2.34 173 P P 10 18 57.1 +0.3

LR03 Panguipulli 2.40 189 P P 10 18 58.1 +0.6

LR03 Panguipulli 2.40 189 P P 10 18 58.1 +0.6

15d 11h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like AC04, AY03, GO08, MG03, etc.

15d 10:20:15.6:3.0,28.18Sx177.60W,h0km,mb3.2/2, mbtmp3.2/2, Error ellipse: s-maj=51.3km s-min=25.9km az=76.0, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like RAO, ASAR, WRA, FINES.

NOU 15:10:43:47.3, 18.82Sx174.41W,h0km,mb4.5/12, Tonga Islands

15d 10:45:41.5:1.3,25.97Sx178.84W,h360km,12km,mb3.2/5, mbtmp4.0/7, Error ellipse: s-maj=22.4km s-min=19.2km az=48.0

15d 10:45:40.7:0.6,26.14Sx106.178.74W,0.10,h350km, n69,cz46/80,mb3.5/5, South of Fiji Islands

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Lists numerous stations including RAO, MSFV, NIUE, OUZ, GRZ, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes GSPA, NVAR, NB2, NOA, HFS.

15d 10:49:33.4:1.6,21.01N:120.16E,h0km,mb3.4/4, mbtmp3.4/4,MS2.9/1, Error ellipse: s-maj=68.1km s-min=25.1km az=50.0

TAP 15:10:49:37.2,21.22N:119.96E,h70km,ML4.0,D JMA 15:10:49:37.4,0.3,21.1N:122.2E,12.0E, h26km, MV4.0/13, Error ellipse: s-maj=68.1km s-min=25.1km az=50.0

15d 10:49:35.7:1.1,21.13N:0.07:119.91E,0.04,h20km,8km, n140,c1948/267,mb3.5/5,C, Taiwan region

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Lists numerous stations including TWK1, TWK2, TWK3, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Lists numerous stations including HGSD, WJS, SSSL, etc.

CMAR 0.6m,0.5s,baz=78,slow=12,SNR=4.2

15d 11:08:24.0:0.6,17.80S:69.40W,h22km,4km,ML3.8,MS3.9

NEIC 15:11:08:25.8:1.5,17.62S:0.06:69.74W,0.09,h10km,1km,mb4.2/9, Error ellipse: s-maj=16.9km s-min=5.8km az=306.0

VAO 15:11:08:28.0:0.5,17.84S:69.50W,h10km,mb4.3

15d 11:08:33.8:2.8,17.73S:69.37W,h67km,24km,mb3.7/7, mbtmp4.0/8,MS3.6/11, Error ellipse: s-maj=24.0km s-min=18.6km az=77.0

15d 11:08:25.3:1.2,17.79S:0.03:69.59W,0.05,h2km,8km, n73,c1957/3,mb4.2/9,MS3.6/9,C,2D,Peru-Bolivia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like MKAR, WRA, ASAR.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like PB18 Visiviri, AP01 Chacalluta, LPAZ La Paz, TA02 Huaiguique, etc.

NOU 15 11:17:13.8, 22:24S:170:38E, h0km, mb3.6/13, Southwest of Loyalty Islands, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like YATNC Mamie plateau, OUENC Ouen Island, etc.

Main data table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, NOUC Port Laguerre, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, etc.

NEIC 15 12:05:48.1 to 2.61'49N:0.03:149:96W:0.17, h38km, 9km, 112:05:48km s-min=3.7km az=118.0

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like M22K Willow, M22K M22K, M22K M22K, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like San Ignacio de Patos de Minas, Paraibuna, Boa Vista, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like NEW Newport, SUR Newport, RAR Rarotonga, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MKAR Makanchi Array, ASAJ Asahikawa, WRA Warramunga Arr, etc.

15d 13h

DJA 15 13:00:36.4+1.6, 3°N, 8°12'8"E, h35km, 30km, M3.9/6, MLV3.9/6

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Sangihe, Ternate, Filitry Cross, Warrungama Arr, Alice Springs, Makanchi Array, Kurchatov Arra, Borovoye Array.

VAO 15 13:06:05.9-0.6, 9.63S, 76.54W, h10km, mb4.2
IDC 15 13:06:22.0-0.6, 9.48S, 75.65W, h102km, 6km, mb3.6/11

NEIC 15 13:06:24.4-2.0, 9.62S, 0.08, 75.55W, 0.10, h122km, 12km, mb4.2/11

ISC 15 13:06:22.1-0.4, 9.50S, 0.05, 75.59W, 0.06, h100km, n55, s126/61, mb3.8/14, Central Peru

Main table of station data for the 15d 13h period, including codes, station names, and coordinates.

IDC 15 13:21:35.4-0.5, 6.17S, 108.05E, h280km, 8km, mb3.1/10, mbmp3.8/10, Error ellipse: s-maj=42.8km s-min=11.5km az=53.0

DJA 15 13:21:35.1-0.6, 7.5S, 18°10'8"E, h293km, 7km, MA.0/14,

2018 DEC

mb4.3/5, MLV3.9/14
ISC 15 13:21:36.2-0.7, 6.55S, 0.1, 107.93E, 0.09, h300km, n21, s282/27, mb3.4/9, Jawa

Table of station data for the 2018 DEC period, including codes, station names, and coordinates.

IDC 15 13:39:24.5-2.1, 5.13N, 127.92E, h0km, mb3.6/5, mbtmp3.7/5, MS3.1/1, Error ellipse: s-maj=114.8km s-min=27.4km az=69.0, Philippine Islands region

Table of station data for the IDC 15 13:39:24.5-2.1 period.

IDC 15 13:41:06.3-0.9, 5.55S, 0.1, 129.91W, h0km, mb3.8/5, mbtmp3.8/5, MS3.7/2, Error ellipse: s-maj=39.6km s-min=29.9km az=144.0

ISC 15 13:41:07.7-0.9, 5.55S, 0.2, 129.9W, 0.2, h10km, n20, s044/9, mb3.8/5, Pacific-Antarctic Ridge

Main table of station data for the 2018 DEC period, including codes, station names, and coordinates.

IDC 15 13:42:26.8-2.1, 3.976N, 75.76E, h0km, mb3.6/4, mbtmp3.4/9, ML2.7/5, Error ellipse: s-maj=36.5km s-min=12.1km az=129.0

SOME 15 13:42:30.9, 40.17N, 75.85E, h10km
KRNET 15 13:42:34.3-0.1, 40.04N, 75.82E, mb3.7

ISC 15 13:42:29.2-1.4, 40.14N, 75.84E, 0.03, h8km, qkkm, n86, s182/129, mb3.6/4, 46C-21D, Kyrgyzstan-Xinjiang border region

Table of station data for the 2018 DEC period, including codes, station names, and coordinates.

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Main table of station data for the 972 period, including codes, station names, and coordinates.

Table with columns: STATION, KAPK, SHLS, SHLS, SHLS, PDGK, PDGK, ARXS, ARXS, ARXS, BLB, BLB, GAR, GAR, KK31, KK31, KK31, KKAR, KKAR, BTLS, BTLS, BTLS, DJR, DJR, DJR, DJR, DJR, DJR, MK31, MK31, MK31, MKAR, MKAR, MKAR, MKAR, KURBB, KURBB, KURBB, KURBB, KURB, KURB, BVAR, BVAR, BVAR, ZALV, ZALV, BRTR, BRTR, FINES, FINES, TORD, TORD, YKA, YKA.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include DZM, WRA, ASAR, GSPA, SONM.

IDC 15 13:54:46.5 ± 2.0, 8°54'S, 106°90'E, h0km, mb3.6/9, mbtmp3.79, MS2.82, Error ellipse: s-maj=35.8km s-min=16.5km az=60.0

DJA 15 13:54:57.2 ± 0.8, 8°54' x 10' 8"E, h21km, mb4.4/20, mb4.4/5, MLV4.3/20

ISC 15 13:54:57.7 ± 0.9, 8°20'S, 106°107.87'E, 0.06, h35km, n39, r146/29, mb3.7/8, Jawa

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include CMJ, BBJ, BBJ, CNJI, KPJI, LEM, LEM, LEM, LEM, SKJI, UGM, UGM, SMRI, SMRI, XMI, XMI, PCJI, UWJI, PWJI, KASI, MDSI, GMJI, MNAI, JAGI, JAGI, PLA1, PLA1.

Table with columns: KAPI, FITZ, CMAR, WRA, ASAR, H0S2, H0S3, H0S1, STKA, KRSR, SONM, KSH, KSH, MKAR, MKAR, KURBB, KURBB, BVAR, BVAR.

IDC 15 14:13:37.6 ± 0.6, 1°17'N, 136°40'E, h0km, mb4.0/14, mbtmp4.0/17, ML3.6/2, MS3.5/18, Error ellipse: s-maj=23.2km s-min=13.0km az=67.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include SRPI, BAKI, BKPI, KMPI, GENE, JAY, JAY, JAY, JAY, FAKI, FAKI, FAKI, FAKI, FAKI, MSAI, MSAI, PMG, PMG, PMG, COEN, COEN, DAV, DAV, BATI, BATI, KNRA, KNRA, TOLIZ, TOLIZ, WBO, WBO, WRAB, WRAB, WRO, WRO, WRO, WRO, WRA, WRA, WRA, FITZ, FITZ, FITZ, FITZ, CTA, CTA, AS31, AS31, ASAR, ASAR, ASAR, MBWA, MBWA, JOW, JOW, FORT, FORT, STKA, STKA, STKA, STKA, BBOO, BBOO, JNU, JNU, NWA0, NWA0, KULM, KULM, MJAR, MJAR, MJAR, MJAR, KRSR, KRSR, KRSR, PHRA, PHRA, CMAR, CMAR.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include PZH, USRK, HHC, HHC, HHC, PYZ, GTA, GTA, SONM, SONM, SONM, CASY, MK31, MK31, MKAR, MKAR, MAKZ, MAKZ, KSH, KSH, ZALV, ZALV, KURBB, KURBB, Vnda, Vnda, Vnda, BVAR, BVAR, ILAR, ILAR, QSPA, QSPA, QSPA, YKA, YKA, TORD, TORD, CPUP, CPUP, ROSO, ROSO, LPAZ, LPAZ.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include PZH, USRK, HHC, HHC, HHC, PYZ, GTA, GTA, SONM, SONM, SONM, CASY, MK31, MK31, MKAR, MKAR, MAKZ, MAKZ, KSH, KSH, ZALV, ZALV, KURBB, KURBB, Vnda, Vnda, Vnda, BVAR, BVAR, ILAR, ILAR, QSPA, QSPA, QSPA, YKA, YKA, TORD, TORD, CPUP, CPUP, ROSO, ROSO, LPAZ, LPAZ.

TAP 15 14:15:33.2 ± 24.95"N, 122°47'E, h32km, 1km, ML2.7 D JMA 15 14:15:33.8 ± 0.2, 25°1'N, 122°46'E, 0.5, h8km, 4km, MV2.1/9, NVW OLF ISHIGAKUJIMA IS

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include TWB1, TWB1, EOS2, EOS2, EOS2, SXII, SXII, TWPB, TWPB, TWC, TWC, EOS3, EOS3, ESOA, ESOA, NWF, NWF, WFSB, WFSB, YJNS, YJNS, YJNG, YJNG, YOJ, YOJ, YOJ, YOJ, NDY, NDY, NDS, NDS, TWE, TWE, EWUT, EWUT, ESO4, ESO4, ENA, ENA, EUSA, EUSA, FUSB, FUSB, YMO1, YMO1, YMO1, ENTT, ENTT, LWLT, LWLT, NWSL, NWSL, LATG, LATG, YHNB, YHNB, NNSB, NNSB, NNS, NNS, NNS, ETLL, ETLL, NFF, NFF, FUSF, FUSF, LXIB, LXIB, IRIF, IRIF, WHF, WHF, TWT, TWT, LIQB, LIQB, LIOB, LIOB, OWD, OWD, WHP, WHP, WUSB, WUSB, WARBT, WARBT.

SNET 15 14:37:15.7 ± 1.1, 12°58'N, 90°12'W, h1km, 8km, ML3.3 CATA 15 14:37:17.6 ± 0.7, 12°58'N, 90°04'W, h1km, ML3.9 IDC 15 14:37:18.3 ± 3.5, 13°32'N, 89°03'W, h0km, mb3.7/4, mbtmp3.8/5, ML3.0/1, Error ellipse: s-maj=80.5km s-min=35.7km az=14.0

15d 15h

ISC 15 14:37:14.0, 2.1, 125'SN, 0.07, 90.25W, 0.05, h11km, 10km, n41, c1500/58, mb3.6/3, Off coast of central America

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like LALI, JAYA, CEVE, NUBE, etc.

NOU 15 14:57:17.6, 16.18S, 168.28E, h3km, MLV4.0/12, Vanuatu Islands, Vanuatu Islands

WEL 15 14:59:23.0, 0.5, 36°S, 174°E, h240km, 5km, M3.8/54, mb4.9/3, ML4.2/48, ML3.8/54, Mw(mb)4.1/3, Error ellipse: s-maj=7.5km s-min=4.6km az=99.8, confirmed

ISC 15 14:59:26.8, 1.0, 36.09S, 173.82E, h17.2km, 10km, n103, 190/157, mb3.7/4, Off east coast of North Island

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like MXZ, WIZ, HAZ, etc.

2018 DEC

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like RIGZ, MUGZ, MUZG, etc.

WRA 15 15:11:04.7, 2.7, 7.25S, 156.75W, h85km, 6km, mb3.8/4, mbmp4.1/5, ML4.3/1, Error ellipse: s-maj=37.0km s-min=24.4km az=80.0

NEIC 15 15:11:07.8, 1.8, 5.7S, 156.75W, h133km, 10km, mb4.4/12, Error ellipse: s-maj=22.0km s-min=9.6km

ISC 15 15:11:05.1, 0.6, 5.7S, 156.75W, h100km, n32, 187/28, mb3.3/3, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like FITZ, GSPA, ARCES, etc.

WRA 15 15:11:05.1, 0.6, 5.7S, 156.75W, h100km, n32, 187/28, mb3.3/3, South Sandwich Islands region

ISC 15 15:12:18.9, 0.8, 7.05S, 121.42E, h550km, n9, c2501/12, mb3.4/5, Flores Sea

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like KAPI, BATI, WRA, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like SNAAL, SNAAS, SNAAS, etc.

IDC 15 15:12:18.9, 0.8, 7.05S, 121.42E, h528km, 10km, mb2.9/6, mbmp3.8/9, Error ellipse: s-maj=41.8km s-min=11.7km az=51.0

IDC 15 15:12:18.9, 0.8, 7.05S, 121.42E, h550km, n9, c2501/12, mb3.4/5, Flores Sea

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like KAPI, BATI, WRA, etc.

IDC 15 15:21:10.6, 1.2, 3.11S, 148.74E, h0km, mb3.9/12, mbmp3.8/13, ML1.4/1, MS3.4/12, Error ellipse: s-maj=41.0km s-min=18.5km az=111.0

ISC 15 15:21:13.8, 0.9, 2.98S, 109.1487E, h0.2, h18km, n29, c182/15, mb3.9/12, MS3.5/9, Admiralty Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like PMG, WRA, ASAR, etc.

Table of astronomical observations for 15d 16h. Columns include station name, time, position (P, S, N), and magnitude (+0.6 to -0.7).

Table of astronomical observations for 2018 DEC. Columns include station name, time, position (P, S, N), and magnitude (+0.5 to -0.6).

Table of astronomical observations for 2018 DEC. Columns include station name, time, position (P, S, N), and magnitude (+0.4 to +0.6).

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like Yuzhno-Sakhali, VLA, JMN, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like H11S3 WAKE ISLAND, BILL, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like GCSA Galena City Sc, MK31, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like TOLK Toolik Lake Re, RCO1 Rabbit Creek A, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like BVCY Beaver Creek, CTG Chitna Glacier, E29M Elbow River, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like AKT Akhty, NEW Newport, ARBE Arbavere, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include CLL Collim, CLC Collim, CLM Collim, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include VRAC Vranov, VRAC Vranov, SIRR Sira, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include SURR Surduc, HSKC Hora Svate Kat, BZS Buzias, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include SZZA 4UR Ranch, KHC Kasperske Hory, KHC Kasperske Hory, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include MMAI Mount Meron Ar, MMAI comp=Z,2.6nm,0.8s, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include GERE GERE Array B, GERE GERE Array B, GERE GERE Array B, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include EKA Eskdalemuir Ar, BOVS Bovan, ARSA Arzberg, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include BIOA Bad Ischl, SOKA Soboth, LESA Schwarzeleot, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include T25A Trinidad, T25A Trinidad, T25A Trinidad, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include MOTA Moosalm, RETA Reutte, SQTA Sankt Quirin, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include EIL Elat, 319A Douglas, FETA Feichten, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include DAVA Darnus, FUORN Ofenpass-Fuorn, FUORN Ofenpass-Fuorn, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include PPT2 Papeete, L44A Lake County Fo, TXAR Lajitas Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include O48B Farmland, QSPB South Pole Qui, QSPA South Pole Qui, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include QSPA South Pole Qui, SNAA Sanas, LPAZ La Paz, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include LPAZ La Paz, LPAZ La Paz, PLCA Paso Flores, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include CPUP Villa Florida, JMA 15:16:28:51.1-0.1,35:6N, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include JGF Kuroka, JGF Yamagatatanai, JYTA Yamagatatanai, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include STR 15:16:38:41.5-1.0,48:1N, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include KHC Kasperske Hory, IDC 15:16:47:54.6:2.1,24:67N, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include CMAR Chiang Mai Arr, MKAR Makanchi Array, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include SONM Songoing Array, SONM Songoing Array, SONM Songoing Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include KURBB Kurchatov Arra, KURBB Kurchatov Arra, KURBB Kurchatov Arra, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include JOW Kunigami, AKASG Malin Array Be, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include FINES FINESS Array B, ARCES ARCES Array B, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include HFS Hagfors, NOA NORAS Array B, IPEC 15:16:50:07.6:0.2,51:60N, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include BGR 15:16:50:09.2:0.4,51:53N, VIE 15:16:50:11.1:0.7,51:37N, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include PRU 15:16:50:11.2:1.5,51:45N, PRU 15:16:50:07.4:0.8,51:58N, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include KSP Ksiaj, KSP Ksiaj, KSP Ksiaj, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include CHVC Chvalec, OSTC Ostas, OSTC Ostas, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include UJC Upice, DPC Dobruska-Polom, DPC Dobruska-Polom, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include PIVO Bartosovice, PIVO Bartosovice, PIVO Bartosovice, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include PVCC Panska Ves, BRG Berggiesshubel, BRG Berggiesshubel, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include BRG Berggiesshubel, BRG Berggiesshubel, BRG Berggiesshubel, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include FBE Freiberg, GPP GO Pecnny, GPP GO Pecnny, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include HSKC Hora Svate Kat, HSKC Hora Svate Kat, HSKC Hora Svate Kat, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include CLL Collim, MORC Moravsky Berou, MORC Moravsky Berou, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include MORC Moravsky Berou, MORC Moravsky Berou, MORC Moravsky Berou, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include KHC Kasperske Hory, CKRC Cesky Krumlov, CKRC Cesky Krumlov, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include MOX Moxa, MOX Moxa, MOX Moxa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include MANZ Manzenberg, MANZ Manzenberg, MANZ Manzenberg, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include ROTZ Rotzenmuhle, ROTZ Rotzenmuhle, ROTZ Rotzenmuhle, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include GERE GERE Array S, GERE GERE Array B, GERE GERE Array B, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include WET Wetzell, WET Wetzell, WET Wetzell, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include LANS Liptovska Anna, LANS Liptovska Anna, LANS Liptovska Anna, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include BSD Bornholm Skovb, BSD Bornholm Skovb, BSD Bornholm Skovb, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include CONA Conrad Observa, CONA Conrad Observa, CONA Conrad Observa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include RONA Rosalia, Austri, RONA Rosalia, Austri, RONA Rosalia, Austri, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include STHS Stebnicka Huta, STHS Stebnicka Huta, STHS Stebnicka Huta, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include MOA Mollin, MOA Mollin, MOA Mollin, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include KECS Kecov, KECS Kecov, KECS Kecov, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include BIOA Bad Ischl, ARSA Arzberg, ARSA Arzberg, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include LESA Schwarzeleot, LESA Schwarzeleot, LESA Schwarzeleot, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include BLEU Blekinge, BLEU Blekinge, BLEU Blekinge, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include WATA Walderalm, WATA Walderalm, WATA Walderalm, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include MYKA Terra Mystica, MYKA Terra Mystica, MYKA Terra Mystica, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include WTTA Wattenberg, WTTA Wattenberg, WTTA Wattenberg, etc.

comp=Z,163nm,18.0s,baz=147,slow=41

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VLAKA Lakatoro, DVP Devils Point, KOUNC Koumac, etc.

IDC 15 19:29:01.0-0.7, 16:33S:168.24E, h0km, mb4.4/14, mbtmp4.4/17, ML4.8/3, MS3.9/34, Error ellipse: s-maj=20.1km s-min=16.5km az=132.0

NEIC 15 19:29:02.8-1.2, 16:36S:07.168.04E:0.06, h10km, 1km, mb4.9/29, Error ellipse: s-maj=17.5km s-min=7.4km az=145.0

BUI 15 19:29:03.0, 16:14S: 167.80E, h4km, mb4.6/24, mB5.2/7 NOU 15 19:29:03.5, 16:46S: 168.16E, h0km, mb4.7/24, Vanuatu Islands

GCMT 15 19:29:04.8-0.4, 16:24S:01.02:168.13E:0.12, h12km, MW4.8/79, Moment Tensor Solution. s12,c13: s79,c98; Duration: 0 Moment tensor: Scale 10^19Nm; Mr:0.38t:08; Mw:0.22t:08; Mww:0.60t:09; Mm:0.78t:21; Mw:1.64t:06; Mw:0.07t:25; Best double couple: Mo1.88200:0.1016 NP1:74.00000:0.83.00000:1.53.00000: NP2: 071.740000:0.863.00000:1.8.00000: Principal axes: T 1.7580, P1g2.4.0000, Azm34.0000: P -2.0080, P1g13.0000, Azm13.0000: nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 15 19:29:03.0-0.4, 16:41S:00.5:168.20E:0.06, h10km, n125, 0151/106, mb4.8/36, MS4.0/33, 5C-1D, Vanuatu Islands

Main table of station data for the 15d 19h event, listing station names, coordinates, and recording details.

Main table of station data for the 2018 DEC event, listing station names, coordinates, and recording details.

Table of station data for the 2018 DEC event, listing station names, coordinates, and recording details.

Table of station data for the 2018 DEC event, listing station names, coordinates, and recording details.

KRNET 15 19:43:00.2-0.1, 39:29N: 72:61E, h14km, mb2.8 SOME 15 19:43:04.8, 39:68N: 72:32E, h5km NNC 15 19:43:10.9-4.5, 39:75N: 72:86E, h0km, mb3.5, mpv3.2, Error ellipse: s-maj=33.1km s-min=19.7km az=174.0

ISC 15 19:42:58.5-1.4, 39:28N:0.05:72.65E:0.04, h9km, 1km, n30, i157/53, 24C-9D, Kyrsgyan

Main table of station data for the 2018 DEC event, listing station names, coordinates, and recording details.

Table with columns: Vanda, VLAKA, ILAR, Vanda, VLAKA, ILAR. Includes station names, coordinates, and dates.

IDC 15 19:51:38, 1.7, 5, 7, 51S, 128.66E, h141km, 78km, mb3.3/3, mbmp3.8, 7, Error ellipse: s-maj=70.2km s-min=24.1km az=36.0

ISC 15 19:51:37.41, 3.7, 68S, 0.10, 128.8E, 0.1, h131km, m7, c278/11, mb3.4/3, Banda Sea

Main table for station data under IDC and ISC, listing station names, phases, times, and residuals.

TEH 15 20:07:43.7, 30.77N, 57.41E, h6km, 101km, ML3.5, Northern and central Iran

Main table for station data under TEH, listing station names, phases, times, and residuals.

NOU 15 20:13:14, 16.26S, 168.28E, h9km, MLV.3/15, Vanuatu Islands, Vanuatu Islands

Main table for station data under NOU (Vanuatu), listing station names, phases, times, and residuals.

NOU 15 20:19:44.1, 16.27S, 168.27E, h4km, MLV.4/7/11, Vanuatu Islands, Vanuatu Islands

Main table for station data under NOU (Vanuatu), listing station names, phases, times, and residuals.

IDC 15 20:21:52, 7.0, 5, 16, 25S, 168.24E, h0km, mb4.8/24, mbmp4.8, 25, MS, 4.1, MS, 4.8, 52, Error ellipse: s-maj=17.3km s-min=13.9km az=105.0

MOS 15 20:21:53.1, 1.1, 16, 33S, 168.17E, h12km, mb5.3/47, MS5.0/17, Error ellipse: s-maj=9.0km s-min=8.3km az=35.0

NOU 15 20:21:54.7, 16, 37S, 168.35E, h0km, mb5.2/82, Vanuatu Islands

Main table for station data under NOU (Vanuatu), listing station names, phases, times, and residuals.

NEIC 15 20:21:54.8, 1.8, 16, 42S, 0.08, 168.22E, 0.08, h11km, 3km, mb5.3/110, Ms, 2.0, 52.212, Mw, 5.4/45, Error ellipse: s-maj=11.2km s-min=10.6km az=217.0

BJI 15 20:21:55.4, 16, 20S, 168.31E, h28km, mb4.8/64, MB5.3/26, Ms5.2/57, Ms7.5/0/58

NEIC 15 20:21:57.3, 16, 37S, 168.21E, h18km

NEIC 15 20:21:57.3, 16, 17S, 168.21E, h18km, Moment Tensor Solution. Duration: 2.8 Moment tensor: Scale 10^17 Nm; Mn: 0.12; Mo: 0.81; Mw: -0.93; Mo: 1.1; Mo: -1.52; Mo: 0.27; Fault plane solution: M1: 780000x10^17 NP1: 164.86000, 385.33000, -175.29000, -7.05000, NP2: 255.44000, 882.98000, -175.29000. Principal axes: T: 1.6954, Plg2:0000, Azm210.0000, N: 0.1608, Plg2:0000, Azm211.0000, P: 1.9529, Plg6:0000, Azm120.0000, GCMT 15 20:21:58.8, 0.1, 16, 27S, 0.01, 168.17E, 0.1, h131km, MW5.4/150, Moment Tensor Solution. s:19,c199; s150,c305; Duration: 1.83 Moment tensor: Scale 10^17 Nm; Mn: 0.10e:02; Mo: 0.75e:02; Mo: -0.85e:02; Mo: 0.61e:06; Mo: -1.36e:02; Mo: 1.5e:04; Best double couple: Mo: 1.69800x10^17 NP1: 74.00000, 888.00000, -1.58.00000, NP2: 165.00000, 868.00000, -1.2.00000, Principal axes: T: 1.6620, Plg17.0000, Azm28.0000; N: 0.0730, Plg68.0000, Azm249.0000; P: -1.7340, Plg14.0000, Azm122.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISC 15 20:21:54.3, 0.2, 16, 34S, 0.04, 168.28E, 0.04, h10km, n754, c1953/669, mb5.2/133, MS5.1/173, 17C-12D, Vanuatu Islands

Main table for station data under ISC, listing station names, phases, times, and residuals.

Main table for station data, listing station names, phases, times, and residuals.

Main table for station data, listing station names, phases, times, and residuals.

15d 20h

Table with columns for station name, frequency, and various signal quality metrics (e.g., SNR, SNRf, SNRr, SNRt, SNRb, SNRc, SNRd, SNRe, SNRf, SNRg, SNRh, SNRi, SNRj, SNRk, SNRl, SNRm, SNRn, SNRo, SNRp, SNRq, SNRr, SNRs, SNRt, SNRu, SNRv, SNRw, SNRx, SNRy, SNRz).

2018 DEC

Table with columns for station name, frequency, and various signal quality metrics (e.g., SNR, SNRf, SNRr, SNRt, SNRb, SNRc, SNRd, SNRe, SNRf, SNRg, SNRh, SNRi, SNRj, SNRk, SNRl, SNRm, SNRn, SNRo, SNRp, SNRq, SNRr, SNRs, SNRt, SNRu, SNRv, SNRw, SNRx, SNRy, SNRz).

984

Table with columns for station name, frequency, and various signal quality metrics (e.g., SNR, SNRf, SNRr, SNRt, SNRb, SNRc, SNRd, SNRe, SNRf, SNRg, SNRh, SNRi, SNRj, SNRk, SNRl, SNRm, SNRn, SNRo, SNRp, SNRq, SNRr, SNRs, SNRt, SNRu, SNRv, SNRw, SNRx, SNRy, SNRz).

Table with columns: ID, Name, Az, El, P, S, Az, El, P, S, Az, El, P, S. Rows include stations like P18K Big Mountain, Q19K Cape Douglas, Q20K Shuyay Island, etc.

Table with columns: ID, Name, Az, El, P, S, Az, El, P, S, Az, El, P, S. Rows include stations like H17K Granite Mounta, K20K Telida, PMR Palmer, etc.

Table with columns: ID, Name, Az, El, P, S, Az, El, P, S, Az, El, P, S. Rows include stations like O29M Mount Kennedy, HDA Harding Lake, GSC Goldstone, etc.

15d 20h

Table with columns for station name, elevation, frequency, and other technical details. Includes stations like Teslin, Yukon, P33M, P33K, P33L, etc.

2018 DEC

Table with columns for station name, elevation, frequency, and other technical details. Includes stations like Babbage River, Malcom River, VNA3, etc.

986

Table with columns for station name, elevation, frequency, and other technical details. Includes stations like Makhachkala, AKT, AKT, AKT, etc.

IDC 15:20:42:59.0, 7.573s, 152.107e, h0km, mb4.1/13, mbmp4.2/15, ML2.4/1, Error ellipse: s-maj=24.2km s-min=16.9km az=115.0

NEIC 15:20:43:02.4, 1.3, 5.755:0.02:152.04E:0.09, h10km, mb4.5/18, Error ellipse: s-maj=15.9km s-min=3.1km az=271.0

ISC 15:20:43:02.0, 0.5, 5.745:0.06:152.12E:0.08, h10km, n56, s1509/53, mb4.5/24, New Britain region

Table with columns for Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, and Residual. Includes stations like RABL, RABL, RABL, etc.

15d 21h

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like HEH, PSTR, JGF, INU, YAK, etc.

2018 DEC

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like PZH, MK31, MKAR, KURK, etc.

988

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like AKKB, SCGH, WRA, BUR08, etc.

15d 21:05:38.4: 7.7, 6:87S; 130°22'E, h113km, 81km, mb3.5/4, mb1mp4, 1/8, ML4.4/4, Error ellipse: s-maj=64.3km

DJA 15 21:05:41.0: 0.5, 7:7 S, 131°0'E, h187km, 14km, M4.5/12, mb4.9/5, mb4.4/6, MLv4.7/12, Mw(mb)4.2/5

NEIC 15 21:05:42.1: 1.6, 6:71S; 0:07:130°1E: 0.1, h138km, 13km, mb4.2/4, Error ellipse: s-maj=16.0km s-min=10.6km

ISC 15 21:05:41.4: 0.7, 6:86S; 0:07:130°07E: 0.07, h150km, n48, e202/43, mb3.6/4, Banda Sea

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

15d 21h

Table with columns: PLCA, Station Name, Frequency, Power, and other technical parameters. Includes stations like Paso Flores, Camacan, BA, Douglas, Cedar Bluff, San Ignacio de, Albuquerque, etc.

2018 DEC

Table with columns: Station Name, Frequency, Power, and other technical parameters. Includes stations like Sonseca Array, North Greenlan, Sand Creek, Eureka, Sawmill, Harding Bluff, etc.

990

Table with columns: Code, Station Name, Frequency, Power, Phase ID, and Time Res. Includes stations like Yanliu Villag, Shoufeng, Jichi Village, Hualien, Guangfu, etc.

Main data table containing columns for call sign, name, frequency, power, and other details for various stations.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like KURBB Kurchatov Arra, KBK Karagaybulak, CHMS Chumysh, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like CTAO Charters Tower, NR1K Noril'sk, MEEK Meeekathara, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like DZM Mont Dzumac, M14K Bethel, N14K Kuskokwim CREE, etc.

15d 21h

Table with columns for station code, name, elevation, frequency, and other technical details. Includes stations like KLMR Klimovskoe, SVW2 Sparrevohn, GOF Goitsoyko, etc.

2018 DEC

Table with columns for station code, name, elevation, frequency, and other technical details. Includes stations like KDAK Kodiak Island, GURO Guroymak-BITLL, E24K Your Creek, etc.

994

Table with columns for station code, name, elevation, frequency, and other technical details. Includes stations like J25K Salcha River, K24K Donnelly Dome, GLI Glacier Island, etc.

Table with columns for station call letters, name, frequency, and various signal quality metrics (e.g., S/NR, SNR, SNR=21, etc.).

Table with columns for station call letters, name, frequency, and various signal quality metrics (e.g., S/NR, SNR, SNR=21, etc.).

Table with columns for station call letters, name, frequency, and various signal quality metrics (e.g., S/NR, SNR, SNR=21, etc.).

15d 21h

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for stations in the 15d 21h band.

2018 DEC

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for stations in the 2018 DEC band.

996

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for stations in the 996 band.

15d 23h

Table with columns: SNA, Sanae, Juan Fernandez, H03S2, H03S1, H03S3, H03N3, H03N2, H03N1, FINES, TORD. Includes station names, frequencies, and coordinates.

NOU 15 22:23:26.3, 16:27S:168:32E, h6km, MLv4.9/12, Vanuatu Islands
NEIC 15 22:23:29.1, 1.2, 16:40S:0:08:168:18E:0:09, h10km, 1km, mb4.7/15, Error ellipse: s-maj=14.0km s-min=13.2km

IDC 15 22:23:46.3, 6.3, 1.1, 16:55S:168:01E, h50km, 32km, mb4.1/11, mbmp4.3/13, ML4.7, M3.3, MS3.8/32, Error ellipse: s-maj=28.7km s-min=18.2km az=144.0

ISC 15 22:23:29.0-0.5, 16:49S:0:06:168:15E:0:07, h10km, n86, c188B/68, mb4.7/29, MS4.0/30, 9C-1D, Vanuatu Islands

Main table for 15d 23h section, listing station names, frequencies, and coordinates for various stations like VLAKA, DVP, KOUNC, etc.

2018 DEC

Main table for 2018 DEC section, listing station names, frequencies, and coordinates for stations like LZH, MAW, K15K, etc.

NOU 15 22:34:25.2, 16:30S:168:28E, h15km, MLv4.9/6, Vanuatu Islands

Table listing station names and coordinates for the NOU 15 22:34:25.2, 16:30S:168:28E station.

IDC 15 22:43:09.7, 0.9, 9.22S:158:94E, h0km, mb3.8/6, mbmp3.8/6, Error ellipse: s-maj=29.4km s-min=16.4km

NEIC 15 22:43:11.3, 1.1, 9.22S:0:06:158:92E:0:04, h10km, 1km, mb4.1/7, Error ellipse: s-maj=10.9km s-min=6.8km

ISC 15 22:43:14.7, 0.8, 9.25S:0:1:158:96E:0:08, h35km, n17, c099E/19, mb3.8/9, Bougainville-Solomon Islands region

Main table for 2018 DEC section, listing station names, frequencies, and coordinates for stations like HNR, WRO, WRA, etc.

998

Main table for 998 section, listing station names, frequencies, and coordinates for stations like MKAR, JAN, KEK, etc.

IDC 15 23:34:06.4, 3.8, 7.08S:129:90E, h141km, 29km, mb3.4/1, mbmp3.9/5, Error ellipse: s-maj=52.7km s-min=24.5km

NEIC 15 23:34:07.0, 1.7, 6.93S:0:05:129:68E:0:09, h149km, 6km, mb4.0/5, Error ellipse: s-maj=12.9km s-min=7.5km

ISC 15 23:34:07.0-0.7, 7.00S:0:06:129:67E:0:06, h150km, n32, c2929/36, mb3.9/4, Banda Sea

Main table for 998 section, listing station names, frequencies, and coordinates for stations like SAUI, WB0, WRA, etc.

16d Oh

NOU 15:23:58.50.2, 16.275:168.34E, h10km, MLv4.2/10, Vanuatu Islands, Vanuatu Islands
Code Station Name Az AZZ Phase ID Op ISC Time Res ISC

SJA 16 00:04:09.1.0.9, 30.62S:72.00W, h14km, 3ML, 4.7, MW4.5
GUC 16 00:04:13.6.0.8, 30.65S:71.63W, h31km, 2km, ML4.7
VAO 16 00:04:13.7.1.4, 30.69S:71.58W, h21km, 9km, mb4.5

CO06 Fray Jorge 0.24 84 P Pb 00 04 19.1 +0.9
CO06 Fray Jorge 0.24 84 I/P S Pb 00 04 19.2 +1.0
CO06 Fray Jorge 0.24 84 I/P S Pb 00 04 22.9 +0.6

CO05 La Serena 0.97 37 Pn 00 04 29.6 -0.8
CO05 La Serena 0.97 37 S Pb 00 04 29.4 -0.9
CO05 La Serena 0.97 37 S Pb 00 04 31.7 -2.3

CO03 El Pedregal 1.06 98 P Pb 00 04 30.3 -1.6
CO03 El Pedregal 1.06 98 I/P S Pb 00 04 42.1 -3.3
CO03 El Pedregal 1.06 98 I/P S Pb 00 04 30.3 -1.6

CO03 El Pedregal 1.06 98 S Pb 00 04 30.4 -1.2
CO03 El Pedregal 1.06 98 I/P S Pb 00 04 44.9 -2.8
CO03 El Pedregal 1.06 98 I/P S Pb 00 04 44.9 -2.8

CO04 Tololo Observa 1.09 62 Pn 00 04 31.2 -1.1
CO04 Tololo Observa 1.09 62 I/P S Pb 00 04 44.9 -2.8
CO04 Tololo Observa 1.09 62 S Pb 00 04 30.4 -2.1

2018 DEC

MT03 Universidad Ad 3.03 157 eP Pn 00 05 00.7 +2.0
MT03 00 05 39.6 -2.5
MT03 comp=Z,3um,0.8s

MT04 Ro Olivares 3.09 151 eP Pn 00 05 02.6 +2.9
MT04 00 05 53.7
MT04 comp=E,2um,0.5s
MT04 Ro Olivares 3.09 151 eP Pn 00 05 02.3 +2.6

MT09 Cerro Valdivia 3.11 113 eP Pb 00 05 03.4 -3.4
MT09 00 05 40.1 -4.2
MT15 Las Vizcachas 3.12 158 eP S Pb 00 05 02.5 +2.4

MT08 Bocatomina Ro 3.17 150 Pn 00 05 03.1 +2.2
MT08 Bocatomina Ro 3.17 150 eP Pb 00 05 04.5 -3.5
MT08 Bocatomina Ro 3.17 150 eP S Pb 00 05 04.3 -3.7

AGUA GUANDACOL 3.20 69 eP Pn 00 04 47.6 -1.4
AGUA 00 05 53.7
MT01 Popeta 3.20 170 eP Pn 00 05 02.5 +1.5
MT01 Popeta 3.20 170 eP Pn 00 05 02.6 +1.5

MT12 Pirque 3.24 159 eP Pn 00 05 03.4 +1.9
MT13 San Alfonso 3.33 156 eP Pn 00 05 04.2 +1.6
MT13 San Alfonso 3.33 156 eP Pn 00 05 05.8 +2.8

MT13 San Alfonso 3.33 156 eP S Pb 00 05 05.5 +2.5
MT13 San Alfonso 3.33 156 eP S Pb 00 05 46.6 -4.2
MT13 San Alfonso 3.33 156 eP S Pb 00 06 00.8

1000

ITAB Concordia 17.65 84 eP Pn 00 08 15.6 -0.9
SIV San Ignacio 17.68 37 P Pn 00 08 16.1 -0.9

G008 Villa O'Higgins 17.75 181 Pn Pn 00 08 17.6 0.0
A00B Aiquidauana 17.80 59 Pn Pn 00 08 15.6 -2.8
A00B Aiquidauana 17.80 59 eP Pn 00 08 15.6 -2.8

C25B Chapadão do Su 20.97 60 eP Pn 00 08 54.0 -2.3
FRTB Fartura 21.79 75 eP Pn 00 08 57.5 -0.4
ETMB Extrema 21.45 16 P Pn 00 08 58.5 -0.4

ETMB Curitiba 21.45 16 eP Pn 00 09 05.5 +1.7
ITRB Iturama 22.32 66 eP Pn 00 09 06.8 -1.5
CZSB Cruzeiro do Su 22.86 358 P Pn 00 09 14.5 +0.5

CZSB Cruzeiro do Su 22.86 358 eP Pn 00 09 17.3 +3.3
SPB Sao Paulo 22.88 78 P Pn 00 09 12.8 -1.3
SPB Sao Paulo 22.88 78 P Pn 00 09 14.5 +0.4

MDP Montañas Des 40.09 31 LR LR 00 30 17.9
PCRV Puerto La Cruz 41.24 11 LR LR 00 30 59.4
RCBR Riachuelo 41.89 61 LR LR 00 30 49.1

ABD La Joyeuse, An 47.96 14 P Pn 00 12 47.4 -1.7
VNA3 Neumayer Olym 52.38 159 I/P Pn 00 13 23.2 +1.2
VNA1 Neumayer-Stat 52.67 158 I/P Pn 00 13 26.4 +2.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, WRA Warramunga Arr, H1S12 WAKE ISLAND, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, STKA Stephens Creek, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMAR Panzhihua, LYN LuoYang, PLAI Plampang, etc.

MEX 16:00:15:08.0.6.14:23N:93:49W, h15km, 19km, MD4.0
IDC 16:00:15:09.3.5.14:19N:92:86W, h0km, mb3.5/2,
mbmp3.4/4, ML3.5/2, Error ellipse: s-maj=121.5km
s-min=52.3km az=29.0

CATAC 16:00:28:03.0.2.1, 14:20N:93:15W, h4km, 10km, ML3.9
MEX 16:00:28:03.4.0.7, 14:24N:93:38W, h9km, 12km, MD4.0
IDC 16:00:28:07.5.6.4, 14:60N:93:23W, h43km, 42km, mb3.3/2,
mbmp3.4/4, ML2.7/3, Error ellipse: s-maj=55.5km
s-min=20.9km az=8.0

ISC 16:00:27:59.3.1.8, 14:29N:0:06:93:36W, 0:03, h4km, 11km,
n35, 28:17/61, Near coast of Chiapas

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

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

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

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

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

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

IDC 16:00:16:37.5.6.6, 37:02N:70:88E, h0km, mb3.8/2,
mbmp3.4/5, ML2.6/3, Error ellipse: s-maj=111.8km
s-min=36.1km az=158.0

ISC 16:00:16:51.1.2.1, 38:22N.01:69:83E, 0.08, h10km, n13,
@196E/18, mb3.8/3, 8C-5D, Tajikistan

ISC 16:00:16:55.7.1.6, 38:31N:69:92E, h1km, 7km, mb4.0,
mpv3.6, Error ellipse: s-maj=12.6km s-min=8.7km az=10.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KK31, KK32, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AS31, ASAR, etc.

IDC 16:00:41:17.3.2.0, 13:56N:120:57E, h32km, 15km, mb4.0/19,
mbmp4.2/19, MS3.7/10, Error ellipse: s-maj=23.5km
s-min=12.7km az=73.0

NEIC 16:00:41:19.1.1.2, 13:57N:120:60E, 0.1, h43km, 8km,
mb4.5/41, Error ellipse: s-maj=18.5km s-min=7.6km
az=110.0

DJA 16:00:41:32.3.2.14, N6:12'E, 1:3, h170km, 36km,
M4.8/9, mb4.8/9, mb5.4/4, Mw(mb)4.9/4
ISC 16:00:41:17.9.0.5, 13:57N:120:60E, 0.1, h35km, n92,
@196E/17, mb4.5/47, MS3.9/11, Mindoro

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AB31, BVAR, AKTO, etc.

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

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

IDC 16:00:20:28.3.1.7, 16:33S:167:87E, h0km, mb3.7/5,
mbmp3.7/6, ML3.5/1, Error ellipse: s-maj=45.6km
s-min=27.5km az=121.0

ISC 16:00:20:28.3.1.7, 16:33S:167:87E, h0km, mb3.7/5,
mbmp3.7/6, ML3.5/1, Error ellipse: s-maj=45.6km
s-min=27.5km az=121.0

ISC 16:00:20:28.3.1.7, 16:33S:167:87E, h0km, mb3.7/5,
mbmp3.7/6, ML3.5/1, Error ellipse: s-maj=45.6km
s-min=27.5km az=121.0

16d 1h

Table with columns for station code, name, frequency, and other details. Includes stations like G21K Allakaket, ASAF Jabal al Asfar, BRTR Keskin Array B, etc.

RSNC 16:00:53:57.2:0.2,N:2°7'9W, h32km,5km, M3.1,mb4.1, m84.7,ML2.9,Mw(mB)4.0, Colombia-Ecuador border

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, Op, ISC, h, m, s, ISC. Lists numerous stations such as CMBC Cumbal, TULM Tulcan-Chalpat, etc.

IDC 16:01:04:42.0:1.1,27.99Sx176°97'W,h0km,mb4.0/5, mbmp4.0/5, Error ellipse: s-maj=3.2km s-min=21.6km az=127.0

ISC 16:01:04:48.8:1.1,28.1S:0.1x177.1W:0.2,h49km,n11, s=148/14,mb4.2/5,Kermadec Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, Op, ISC, h, m, s, ISC. Lists stations like RAO Raoul Island, RIZ Raoul Island, etc.

ISC 16:01:00:26.7:34.86N:32.97E,h5km,ML3.5/23 NIC 16:01:00:27.5:34.72N:33.06E,h5km,ML3.6/8

AFAD 16:01:30:29.0:0.0,34.73N:32.96E,h17km,8km,MW4.0 GRAL 16:01:30:30.5:0.3,34.57N:33.40E,h0km,48km,M0.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, Op, ISC, h, m, s, ISC. Lists stations like APOL The Sanctuary, etc.

2018 DEC

Main station list table for 2018 DEC with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, Op, ISC, h, m, s, ISC. Lists stations like APOL 43nm,0.2s, ASGA Asgata, etc.

MMBI Mount Meron ar 2.58 130 P Pn 01 31 07.9 -0.1 BEIL Beino 2.58 92 eP S 01 31 08.3 +0.1

ISC 16:01:04:48.8:1.1,28.1S:0.1x177.1W:0.2,h49km,n11, s=148/14,mb4.2/5,Kermadec Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, Op, ISC, h, m, s, ISC. Lists stations like RACHYA Rachya, SHBL Chebba, etc.

1002

Main station list table for 1002 with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, Op, ISC, h, m, s, ISC. Lists stations like KZIT Kziot, GHAJ Ghor Haditha, etc.

GII 16:01:35:34.5:0.4,34.688N:0.002:33.157E:0.001,h16km, M0.3/0.7,Mw3.0/10,confirmed

AFAD 16:01:35:36.1:0.0,34.80N:32.97E,h11km,2km,MW3.9 ISK 16:01:35:37.0:0.35,01N:33.09E,h8km,ML3.0/24

ISC 16:01:35:34.0:0.9,34.58N:0.002:33.06E:0.02,h14km,6km, n119,s15/137,2C-4D,Cyprus region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, Op, ISC, h, m, s, ISC. Lists stations like APOL The Sanctuary, ASGA Asgata, etc.

1003

Table with columns: Station Name, Code, Station Name, Az, Phase ID, Time, Res, I, S, C. Includes stations like MVOU, AKDN, LFK, PARAL, EREN, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, I, S, C. Includes stations like AEIC, NEIC, M22K, FIS, etc.

2018 DEC

Table with columns: Station Name, Code, Station Name, Az, Phase ID, Time, Res, I, S, C. Includes stations like PMR, GHO, KNIK, SML, CAPN, etc.

Code Station Name Az Az' Phase ID Time Res I S C
WRA Warramunga Arr 17.87 194 P ISC h m s ISC
ASAR Alice Springs 21.56 193 P P 01 51 19.8 -0.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, I, S, C. Includes stations like IDC, WRA, ASAR, MKAR, etc.

162 2h

Table with columns: Station Name, Code, Station Name, Az, Phase ID, Time, Res, I, S, C. Includes stations like SMAR, AVH, INSR, KREY, RUS, etc.

16d 2h

comp=Z:0.7nm,0.8s
MMAI Mount Meron Arr 82.21 316 P P 02 28 55.6 +1.8

NOU 16 02:18:26.6, 16.335S:168.30E, h10km, MLv4.6/10, Vanuatu Islands
IDC 16 02:18:38.4+4.6, 16.905S:168.29E, h99km, 38km, mb3.9/6, mbtmp4.2, Error ellipse: s-maj=45.9km s-min=28.4km az=92.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include VLAKA Lakatoro, KOUNC Koumac, WRA Warramunga Arr, etc.

IDC 16 02:36:22.9, 1.6, 24.24km, 142.71E, h0km, mb3.9/5, mbtmp3.9/5, MS4.3/9, Error ellipse: s-maj=79.2km s-min=27.5km az=70.0, Volcano Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include MJAR Matsushima Arr, SOMM Songoing Array, WRA Warramunga Arr, etc.

IDC 16 02:38:29.4, 2.2, 2.88N, 93.76W, h0km, mb3.5/5, mbtmp3.5/5, MS4.0/17, Error ellipse: s-maj=193.9km s-min=36.6km az=77.0

GCMT 16 02:38:35.0, 0.5, 2.80N, 0.03, 95.00W, 0.05, h21km, 1km, MW4.8/73, Moment Tensor Solution. s16, c16; s27, c95; Duration: 0 Moment tensor: Scale 10^6Nm; Mr=2.02e-18; M0=1.90e-12; M20=0.30e-11; M40=0.56e-19; M50=0.08e-07; Mw=0.41e-27; Best double couple; M2, 16100e10^16 NP1=282.00000, 0.54, 0.00000, -1.80, 0.00000; NP2: 0.85, 0.00000, -0.38, 0.00000, -1.10, 0.00000; Principal axes: T 1.9870, Plg0.00000; Az=5.00000; N 0.3530, Plg0.00000; Az=96.00000; P -2.3360, Plg79.0000; Az=230.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location

ISC 16 02:38:31.0, 1.7, 2.9N, 0.3, 9.4W, h10km, n24, 0673/6, mb3.5/6, MS4.1/15, Galapagos Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include CMIG Matias Romero, ATAH Atahualpa, SDV Santo Domingo, TXAR Lajitas Array, LPAZ La Paz, RPN Rapa Nui, TKL Tuckahoe C, ANMO Albuquerque, H03N2 Juan Fernandez, etc.

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RSNC 16 02:41:46.1, 0.0, 7N, 1.7, 73W, h148km, 2km, M2.9, mb3.5/6, mb5.2, ML2.7, Mw(mb)4.6, Northern Colombia

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include BARC Barichara, BRUC Barrancabermeje, PAMC Pamplona, La Rusia, PUERTO BERRIO, Tame, Arauca, San Pablo de B, OCAC Ocaña, Zaragoza, Cauca, Norcasia, Chingaza, El Rosal, San Jos de Ur, Guayana, Caldas, Villavicencio, Puerto Gaitan, Villamaría, Niza - Manizal, Ciudad Bolívar, Dabeiba, Santa Ana, Santo Domingo, Ariguaní, Magd, Prado, Ortega, Tolima, Apartado, Choc, San Jos del P, San Jacinto, C, Pizarro, Chocco, Macarena, Meta, Punta Arditá, Jamundi, Valle, Bahía Malaga, Uribia, Colomb, Uric, Zarzón, Huila, Popayan, FLOEC, FLOEC, Balboa, Cauca

IDC 16 02:43:40.7, 0.5, 1.6, 33S, 168.24E, h0km, mb4.7/22, mbtmp4.7/24, ML4.8/2, MS3.9/24, Error ellipse: s-maj=16.6km s-min=13.9km az=105.0

MOS 16 02:43:41.2, 1.0, 16.28S, 168.16E, h10km, mb5.0/14, Error ellipse: s-maj=11.9km s-min=8.5km az=39.5

GCMT 16 02:43:43.9, 0.3, 16.22S, 0.05, 168.24E, 0.03, h12km, MW4.8/82, Moment Tensor Solution. s18, c20; s82, c96; Duration: 0 Moment tensor: Scale 10^6Nm; Mr1.87e-09; M0=0.12e-10; M20=1.75e-07; M40=0.51e-09; M50=0.48e-09; Mw=0.39e-41; Best double couple; M0.192100e10^16 NP1=194.00000, 0.33, 0.00000, 1.88, 0.00000; NP2: 1.9170, Plg0.00000; Az=293.00000; N 0.0400, Plg1.00000; Az=196.00000; P -1.9260, Plg6.00000; Az=105.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NEIC 16 02:43:43.9, 2.2, 16.28S, 0.10, 168.20E, h10km, 1km, mb5.2/80 Error ellipse: s-maj=16.6km s-min=14.7km az=169.0

NOU 16 02:43:43.3, 16.35S:168.21E, h0km, mb5.0/51, Vanuatu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include VLAKA Lakatoro, DVP Devils Point, KOUNC Koumac, WRA Warramunga Arr, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include AUWH Wavell State H, RAOU Raoul Island, EIDS Eidsvold, TOOW Toowoomba, ARMA Armadale, ARMA Armadale, CTAs Charters Tower, KUZZ Kuatounu, MANG Mangrove Creek, MTSU Mount Surprise, UREWA Urewera, BTK Blatunua, BKZ Black Stump Fm, BKZ Black Stump Fm, COEN Coen, COEN Coen, COEN Coen, QLP Quilpie, QLP Quilpie, MRZ Mangataniroa, BFB Birch Farm, BFB Birch Farm, YNG Young, YNG Young, CNB Tony Channel, CNB Tony Channel, CNB Canberna Magna, TUWZ Tuamarina, CMSA Cobar Meteorol, CHSA Coleridge, THZ Tophouse, RPZ Rata Peaks, QIS Mount Isa, QIS Mount Isa, INKA Innaminka, STKA Stephens Creek, STKA Stephens Creek, STKA Stephens Creek, STKA Stephens Creek, HTT Hallett, HTT Hallett, AMTB Murray Bridge, WOD Oodnadatta, WOD Warramunga Arr, WRAB Tennant Creek, WRAB Tennant Creek, WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, ASO1 Alice Springs, ASO1 Alice Springs, ASO1 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, BBOO Bucleo, BBOO Bucleo, BBOO Bucleo, BBOO Bucleo, BBOO Bucleo, MUMG Mulgathing, GULO Guam, GNRA Kununurra, GNRA Kununurra, GNRA Kununurra, WRKA Warakurna, WRKA Warakurna, WRKA Warakurna, FORT Forrest, FORT Forrest, FORT Forrest, PPT2 Papeete, PPT2 Papeete, PPT2 Papeete, PPT2 Papeete, FITZ Fitzroy Cross, BATI Baunata, BATI Baunata, KMBL Kambalá, KMBL Kambalá, MBWA Marble Bar, MEEK Meekeaharra, MEEK Meekeaharra, KAPI Kappang

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2018 DEC

13 Dec 2h

Table of astronomical objects for 1005, including columns for AOES, Nuku Hiva Isla, 50.76 88 eS, S, 02 59 56.8 -2.8, and various object names like TAOE, JOW, MJAR, MAJO, MAJJO, etc.

Table of astronomical objects for 2018 DEC, including columns for SHL, SHL, H19K, AFDM, G19K, ISA, F19K, PFO, PFO, E19K, COLA, COLA, NVAR, IL31, IL31, ILAR, J25K, D05A, ELIB, 113A, J07A, J08A, MXC, B21K, PALK, G08A, HAWA, HAWA, HSIG, PMSA, D08A, ELK, BMO, B08A, E09A, U15A, X16A, TROLL, NVL, WUAZ, SNAZ, SNAZ, SNAZ, SNAZ, SNAZ, X18A, VNA3, VNA2, VNA1, WMO, PDAR, ANMO, TX31, TXAR, YKA, H03S2, H03S1, H03S3, MK31, MKAR, MKAR, H03N3, H03N2, H03N1, ZALV, KSH, KSH, CPUP, ARCES, ROSA, RAYN, RAYN, RAYN, KMB0, KMB0, BRTR, MMAI, VYHS, VYHS, VYHS, CL, GERES, KBA, LES, ABTA, etc.

Table of astronomical objects for 13 Dec 2h, including columns for WTTA, WTTA, MOTA, RETA, SQTA, CIMO, FETA, DAVA, CTI, CTI, FUORN, TORD, TORD, DBIC, DBIC, etc.

RHSSO 16 02:55:06.5+0.43:26N:17:58E h5km,2km,ML2.3/13 BEO 16 02:55:07.4+0.54:37N:17:58E h4km,3km,ML2.9/9 PDG 16 02:55:07.1+0.04:31N:17:63E h1km,ML2.5/12, Error ellipse: s-maj=0.1km s-min=0.2km az=0.0

Table of astronomical objects for 13 Dec 2h, including columns for Code, Station Name, Delta A, Delta Z, Phase ID, h, Time, Res, etc., listing stations like MAK Makarska, MAK Makarska, RIC Ricce, etc.

NEIC 16 02:55:19.2+1.19:56N:0:06:65:61W:0:07, h35km,2km,ML3.0/28,MD3.5/15(RSPR), Error ellipse: s-maj=14.5km s-min=5.3km az=47.0 SDD 16 02:55:21.1+0.94:19N:19:46E:65:86W, h31km,259km,MD3.7,ML2.8,IMW2.8

16d 3h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Guaynabo City, Esperanza - Ma, San Juan, etc.

SJA 16 02:56:00.0±0.8, 32.54Sx72.56W, h15km, ML3.6, MW3.7
GUC 16 02:56:09.1±0.9, 32.34Sx71.73W, h27km, gkm, ML3.1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Torpederas, Los Peladeros, Curacav, San Esteban, etc.

2018 DEC

Table with columns: AGUA, GUANDACOL, Az, Phase ID, Time, Res, ISC. Includes stations like Valle Fertil, PUNTA DE LOS L, CERRO LA CRUZ, etc.

IDC 16 03:06:18.8±1.1, 56.42Sx24.52W, h0km, mb4.0/4, mbmp4.0/4, Error ellipse: s-maj=39.9km s-min=31.9km az=55.0

NEIC 16 03:06:19.9±2.6, 56.50Sx0.07x24.9W:0.3, h10km,1gkm, mb4.4/12, Error ellipse: s-maj=24.1km s-min=1.9km az=99.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Neumayer-Stat, Neumayer Olymp, Neumayer-Watz, etc.

IDC 16 03:08:05.1±1.4, 26.41N:64.10E, h0km, mb3.9/9, mbmp3.9/9, Error ellipse: s-maj=42.2km s-min=19.8km az=131.0

TEH 16 03:08:08.5±26.47N:64.09E, h10km, 158km, ML4.0
OMAN 16 03:08:19.8±0.3, 26.06N:63.46E, h33km, 11km, mb4.3/17, mH=6.02, ms2.8/2, Error ellipse: s-maj=14.7km s-min=1.7km az=248.0

DSN 16 03:08:21.4±2.7, 26.46N:63.15E, h15km, ML4.0/9, Error ellipse: s-maj=68.2km s-min=17.4km az=7.0

IDC 16 03:08:12.0±1.0, 26.30N:0.06±64.03E:0.08, h35km, n62, c294/87, mb3.9/9, Southwestern Pakistan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Saravan, Chabah, Negor - Chabah, Chabahar, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Asho, Araqi, Kooshah, MHTO, etc.

MOS 16 03:19:32.2, 42.54N:46.17E, h14km, MPVA3.9
DRS 16 03:19:33.6, 42.56N:46.21E, h48km

NORS 16 03:19:34.2, 42.53N:46.15E, h5km, MPVA3.9
AFAD 16 03:19:41.8±0.0, 40.11N:46.17E, h9km, ML2.2

IDC 16 03:19:34.1±0.9, 42.54N:0.02±46.16E:0.01, h10km, 6km, n92, c1909/178, 5C-2D, Eastern Caucasus

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Botlikh, Khunzakh, Vedenov, etc.

Table with columns: ARKR, Arakani, 0.62, 84, ePg, Pb, 03 19 46.6, -0.4, etc. Includes stations like Arakani, Karanay, Dylm, etc.

Table with columns: SHA1, Shidzhatmaz, 2.83, 296, ePn, Pn, 03 20 20.2, +0.6, etc. Includes stations like Shidzhatmaz, Belyy Ugol+, Kislovodsk, etc.

Table with columns: KLU, comp=E, 4.1nm, 0.6s, IAML, 03 23 36.6, etc. Includes stations like comp=E, 4.1nm, 0.6s, etc.

IDC 16 03:27:39.2, 8.7, 35.84N: 77.68E, h80km, 58km, mb3.4/4, mbtmp3.7/9, ML3.2/5, MS4.1/1, Error ellipse: s-maj=75.0km s-min=30.7km az=13.0

ISC 16 03:27:42.4, 2.2, 36.1N: 0.2, 77.9E: 0.1, h100km, n10, 1942/10, mb3.7/3, Kashmir-Xinjiang border region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc. Includes stations like Ala-Archa, Alar-Archa, etc.

AEIC 16 03:22:33.0, 1.7, 61.35N: 0.02, 150.08W: 0.04, h22km, 7km, Error ellipse: s-maj=3.1km s-min=2.3km az=109.0

NEIC 16 03:22:33.6, 1.8, 61.41N: 0.03, 150.10W: 0.05, h39km, 4km, ML2.6/74, ML2.5(AEIC), Error ellipse: s-maj=3.7km s-min=3.3km az=193.0, Southern Alaska

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc. Includes stations like Susitna One, Willow, Rabbit Creek A, etc.

SOME 16 03:28:40.6, 42.15N-81.12E, h20km NNC 16 03:28:42.1, 1.4, 42.22N-80.93E, h0km, mb3.6, mpv3.4, Error ellipse: s-maj=10.1km s-min=8.6km az=16.0

ISC 16 03:28:37.9, 2.6, 42.36N: 0.09, 81.43E: 0.08, h1.0km, 12km, n39, r165/59, 4C-3D, Northern Xinjiang

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc. Includes stations like Shalkode, ShLS, Podgomoye, etc.

16d 4h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KOTS, MDOK Medeo, TNS5, etc.

SJA 16 03:55:41.9.0.7, 29.07S:68.53W, h107km, 3km, ML3.9, MW3.8
IDC 16 03:55:44.4.6.3, 29.13S:68.49W, h112km, 50km, mb3.5/5, mbtmp3.7/6, MS2.6/1, Error ellipse: s-maj=41.0, s-min=30.1km az=114.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like AGUA GUANDACOL, AROD Rodeo, AAANI Anilaco, etc.

2018 DEC

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PLCA Paso Flores, BDFB Brasilia, QGSA South Pole Qui, etc.

AEIC 16 04:08:41.6:3.1, 61.39N:0.03:149.99W:0.03, h19km, 2km, Error ellipse: s-maj=3.8km s-min=2.0km az=177.0
NEIC 16 04:08:42.5:1.4, 61.44N:0.02:149.92W:0.04, h41km, 4km, ML3.4/110, ML3.3(AEIC), Error ellipse: s-maj=3.8km s-min=2.7km az=150.0, Southern Alaska

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like M22K Willow, FIS Fire Island, RC01 Rabbit Creek A, etc.

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Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SVW2 Sparrevohn, RAGM Ragger Mountain, N18K Kilauea Creek, etc.

IDC 16 04:15:26.9:1.4, 6.83N:73.08W, h152km, 14km, mbtmp3.9/3, Error ellipse: s-maj=71.0km s-min=7.4km az=133.0
RNSC 16 04:15:29.4:0.0, 7.7N:1.7W, h144km, 2km, M3.1, mb3.2, mb4.7, ML2.9, Mw(mb)4.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like BARC Barichara, PAMC Pamplona, BRUC Barrancabermej, etc.

NOU 16 04:17:52.4, 14.93S:167.45E, h123km, ML4.3/13, Vanuatu Islands, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like VLAKA Lakatoro, VLAKA Lakatoro, DUVS Devils Post, etc.

NOU 16 04:37:56.7, 16.26S:168.29E, h2km, MLv4.3/13, Vanuatu Islands
IDC 16 04:37:59.6:14.0, 16.43S:167.63E, h0km, mb3.9/3, mbtmp4.0/4, ML4.0/1, MS3.1/3, Error ellipse: s-maj=244.9km s-min=41.3km az=71.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for Devils Point, Port Vila, Koutamak, Mamie plateau, Mont Dzumac, etc.

ISC 16 04:37:59.5:2.7, 16.3S:0.2:168.2E:0.2, h35km, n12, s+102/12, mb3.7, Vanuatu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for Rabbitt Creek A, Susitna One, Willow, Palmer, Glory Hole Cre, etc.

AEIC 16 04:39:26.4:0.61, 31.1N:0.02:150.09W:0.03, h20km, 2km, Error ellipse: s-maj=2.7km s-min=2.3km az=167.0

NEIC 16 04:39:27.0:1.6, 61.34N:0.02:150.02W:0.05, h44km, 2km, ML2.9/86, ML2.8(AEIC), Error ellipse: s-maj=3.4km s-min=3.2km az=147.0, Southern Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for Rabbit Creek A, Susitna One, Willow, Palmer, Glory Hole Cre, Knik Glacier, Captain Cook N, Skilak Lake, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for Sparrohevon, Telida, Bear Paw Mtn, Kilaee Creek, Kookth Hill, Cape Douglas, Minto, Yukon-K, etc.

RSNC 16 04:41:53.6:0.0, 13.1N:2.8:81.1W:1.1, h2km, 3km, M3.3, mb4.1, ML3.3

CATAC 16 04:41:54.0:0.0, 3.121N:81.27W, h10km, 2km, ML4.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for Isla de Provid, Isla de Provid, Isla e San And, Banco Serrana, Bilwi Airport, Bluefields, Las Esperanzas, Tortugero, Isla Barro Col, Las Juntas de Azuero, Tegucigalpa, San Jacinto, C.

CATAC 16 04:42:30.8:0.2, 13.10N:81.17W, h3km, 2km, ML4.6

RSNC 16 04:42:31.3:1.1, 13.13N:81.29W, h0km, mb3.5/4, mbmp3.8/7, ML2.3/3, MS3.4/11, Error ellipse: s-maj=26.9km s-min=22.6km az=38.0

NEIC 16 04:42:31.7:2.1, 13.16N:0.05:81.20W:0.06, h10km, 1km, mb4.2/5, Error ellipse: s-maj=11.4km s-min=5.4km

ISC 16 04:42:31.2:1.1, 13.14N:0.03:81.19W:0.03, h10km, 2km, n62, s+172/82, mb3.6/7, MS3.5/7, Caribbean Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for Isla de Provid, Isla de Provid, Isla e San And, Banco Serrana, Bilwi Airport, Bluefields, Las Esperanzas, Tortugero, Isla Barro Col, Las Juntas de Azuero, Tegucigalpa, San Jacinto, C., etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for San Jacinto, Punta Arditia, Guantnamo Bay, Tegich, Tegich, etc.

ISC 16 04:45:49.2:0.9, 28.03N:104.82E, h0km, mb3.7/7, mbtmp3.7/8, ML3.1/1, 1D, Error ellipse: s-maj=66.8km s-min=17.9km az=59.0, Sichuan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for Guili, Guili, Guili, Guili, Malakanchi Array, Zalesovo Beam, Kurshatov Array, Warrungama Arr, Alice Springs, Keskin Array B, NORSAR Array, etc.

ISC 16 04:46:06.0:0.4, 28.20N:104.93E, h0km, mb5.3/42, mbtmp3.3/43, ML5.1/1, MS5.0/56, Error ellipse: s-maj=10.9km s-min=9.3km az=121.0

MOS 16 04:46:06.0:0.9, 28.25N:104.97E, h12km, mb5.7/82, MS5.1/40, Error ellipse: s-maj=5.2km s-min=3.5km az=121.0

BUI 16 04:46:07.8:28.24N:104.95E, h12km, mb5.6/66, mb5.5/34, ML5.7/22, MS5.7/87, MS7.5/5/81

GCMT 16 04:46:07.9:0.1, 28.20N:104.01:105.09E:0.01, h14km, MV5.3/131, Moment Tensor Solution. s84, c115; s131, c248; Duration: 1s1 Moment tensor: Scale 1017 Nm; Mr0: 125; 02; Mss:0.355; 02; Mss:0.462; 02; Mss:0.102; 03; Mss:0.982; 02; Mss:0.225; 04; Best double couple: M: 1.0870x1017, N: 1.348x10000, A: -384.00000, T: 0.00000, NP2: 79.00000, S81: 0.00000, A: -174.00000

Principal axes: T: 1.0050, Plg3.0000; Azm34.0000; N: 0.1640, Plg79.0000; Azm138.0000; P: -1.1690, Plg11.0000; Azm304.0000; nst1 refers to bodies 42es, cutoff=40s. nst2 refers to surface waves, cutoff=50s.

Triangular moment-rate function

NEIC 16 04:46:09.9:2.0, 28.30N:105.01E:0.05, h19km, 3km, mb5.6/263, Mww5.3/32 Error ellipse: s-maj=9.2km s-min=4.9km az=217.0

NEIC 16 04:46:11.2, 28.26N:105.00E, h18km

NEIC 16 04:46:11.2, 28.26N:105.11E, h18km, Moment Tensor Solution. Duration: 2s6 Moment tensor: Scale 1017 Nm; Mr0: 1.0; Mss:0.31; Mss:0.41; Mss:0.12; Mss:0.95; Mss:0.09; Fault plane solution: M: 1.03000x1017, N: 1.79x10000, A: -387.44000, T: -173.04000, NP2: 349.47000, S81: 0.00000, A: -2.58000. Principal axes: T: 0.9785, Plg3.0000; Azm214.0000; N: 0.1089, Plg83.0000; Azm10.0000; P: -1.0874, Plg7.0000; Azm305.0000;

BGR 16 04:46:15.0, 27.80N:104.39E, h33km, mb5.5, MS5.1

ISC 16 04:46:19.0:0.4, 28.27N:102.104:98E:0.03, h15km, 2km, h15km, pp-P, n1257, e1950/1271, mb5.5/344, MS5.1/98, 90C5-1D, Sichuan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for GUYANG, Chengdu, etc.

1011

Table with astronomical data for objects 1011-1012, including columns for object name, coordinates, and various parameters.

2018 DEC

Table with astronomical data for objects 2018 DEC, including columns for object name, coordinates, and various parameters.

16d 4h

Table with astronomical data for objects 16d 4h, including columns for object name, coordinates, and various parameters.

16d 4h

Table with columns for station call letters, name, frequency, and various signal quality metrics (P, S, M, etc.). Includes stations like HOQ, MHTO, BANOM, ARTI, etc.

2018 DEC

Table with columns for station call letters, name, frequency, and various signal quality metrics. Includes stations like KIRV, ABTO, KDU, KNDU, etc.

1012

Table with columns for station call letters, name, frequency, and various signal quality metrics. Includes stations like MOS, OBN, PMG, etc.

1013

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like AK10 Malin Array Si, AKASG Malin Array Be, AKASG Malin Array Si, etc.

2018 DEC

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MLR Muntele Rosu, DOPRA Dopca, VOIR VOIR, etc.

16d 4h

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like A22K Sinclair Lake, H17K Unalakleet, H17K Granite Mounta, etc.

16d 4h

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like Copenhagen, Podgorica, Alatina River, etc.

2018 DEC

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like Koliganek Bris, Ishatlina Cre, White Mountain, etc.

1014

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like Rethem/Aller, Katmai Hardscr, Acha Creek He, etc.

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like M23K, I26K, K26K, SEW, E29M, DAVOX, H27K, UCM, PWL, RIDG, ARPS, ARMA, ARMA, PAX, SCRK, I27K, BFO, BFO, BFO, BFO, M24K, HARP, BTNL, MEM, G29M, KLU, P23K, EGAK, MENT, A36M, I28M, K27K, BSTI, L26K, H29M, F30M, WLF, WLF, WLF, BCLA, N25K, G30M, INK, INK, INK, EYAK, EYAK, BGES, RCHB, M26K, EPYK, L27K, BMRM, BMRD, BCAR, UCC, SENIN, DOU, F31M, VOI, DAWY, G31M, G31M, M27K, MCARA, J29N, J29N, KAIM, I30M, BVCY, CRQE, H31M, J30M, K29M, YTK, L29M, C36M, M29M, YUK8, EKA.

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like MAYO, MAYO, MAYO, M28M, M30M, YUKA, PINM, CLF, YUKA, N30M, N30M, DZM, DZM, O29M, O29M, HYT, N31M, M31M, KEST, KEST, O30N, O30N, P29M, P30M, FARO, WHY, PLBC, N32M, N32M, SKAG, SKAG, SKAG, P33M, P32M, S31K, S31K, R32K, CEST, JIS, SIT, Q32M, Q32M, WRGL, S32K, R33M, WTLY, WTLY, T33K, S34M, DLBC, DLBC, U33K, WRAK, CRAG, T35M, T35M, KOTAN, SFJD, SFJD, SFJD, SFJD, MSVF, MSVF, MSVF, YKA, YKA, YKA, YKA, YKA, ESDC, ESDC, LSZ, LSZ, LSZ, LSZ, LSZ, MVO, MVO, PCAB, PCAB, MTE.

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like BBB, COI, PCAS, IVI, PESTR, PBAR, EVO, PBEJ, MESSEJANA, MESJ, POGA, MORF, LBTB, LBTB, B08A, FFC, FFC, FFC, FFC, BOSA, BOSA, BOSA, NEW, NEW, NEW, NEW, TOR, TOR, TOR, TOR, SCHO, SCHO, EGMT, ULM, NVAR, NVAR, PDAR, PPT2, PPT2, ELIB, ELIB, TAOE, TXAR, TXAR, BRDY, SAUD, JCT, JCT, JCT, QSPA, QSPA, TROLL, TROLL, SNA, SNA, SNA, SNA, VNA, VNA, VNA, RCBR, NBLA, BRU2, SDV, SDV, TMB, CDBI, CMCO, ABRO1, BOAV, ROSE, RIB01, PRPB, SJMB, SMTB, SDBA, JANB, CAMO1, DIAM, DUB01, ITTB, VASO, OTAV, OTAV, OTAV, MAN01, ESCB, ESCB, BDFB, PMNB, PMNB, SLP01, IPMB, RCLB, BB19B, CLDB, CPDI, TBGT, ITRB, PDRB, FRTB, SAML, ETCB, SALV, CNLB, VRPD, VILN, CRZB, ETMB, PTLB, AQDB, AQDB, AMNT, AMNT, SIV, SIV, BBSB.

16d 6h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes entries for MURT Porto Murinho, NNA Nana, CPUP Villa Florida, etc.

CATAC 16 04:46:26.9,0.6, 12.34N,-89.94W, h81km, 22km, M.L3.5
IDC 16 04:46:29.6,-4.1, 13.50N,-88.94W, h0km, mb3.4/3,
mbtmp3.5/4, M.L3.0/1, Error ellipse: s-maj=122.9km
s-min=42.8km az=25.0

Main table for 16d 6h section, listing station codes (LALI, JAYA, PANCS, etc.) and their corresponding data points.

NNC 16 05:12:57.0,4.7, 39.04N,-72.07E, h0km, mb3.6, mpv3.2,
Error ellipse: s-maj=38.5km s-min=24.5km az=11.0
KRNET 16 05:12:58.4,0.1, 39.40N,-72.76E, h17km, mb3.4
SOME 16 05:12:58.7, 39.62N,-72.40E, h5km
ISC 16 05:12:53.0,-1.7, 39.18N,-0.08,-72.91E, h0.05, h3km, 12km,
n26, c172/50, 26C-10, Kyrgyzstan

Continuation of station data for 16d 6h section, including codes like DRK, SFK, OHH, etc.

2018 DEC

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes entries for TKM2, KK31 Karatay Array, etc.

NOU 16 05:28:08.7, 16.29S,-168.25E, h9km, MLv4.5/15, Vanuatu Islands
IDC 16 05:28:15.9, 14.0, 16.70S,-167.16E, h0km, mb3.7/3,
mbtmp3.8/4, M.L4.3/1, Error ellipse: s-maj=244.5km
s-min=39.7km az=67.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes entries for VLAKE Lakatoro, etc.

NOU 16 05:42:15.4, 16.28S,-168.28E, h9km, MLv4.6/12, Vanuatu Islands
ISC 16 05:42:15.8,-1.0, 16.40S,-0.09,-168.3E, 0.1, h10km, n15,
c154/14, mb4.0/6, Vanuatu Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes entries for VLAKE Lakatoro, DVP Devils Point, etc.

NOU 16 05:53:46.8, 16.28S,-168.30E, h7km, MLv4.5/16, Vanuatu Islands
VLAKE Lakatoro 0.86 281 P Pn 05 54 03.0 +1.6
VLAKE Lakatoro 0.86 281 P Pn 05 54 14.8 -3.4

AEIC 16 06:08:16.3, 1.9, 61.39N,-0.01,-149.99W, 0.05, h22km, 8km,
Error ellipse: s-maj=3.8km s-min=1.4km az=69.0
NEIC 16 06:08:16.5,-1.3, 61.43N,-0.03,-149.93W, 0.07, h44km, 6km,
ML2.7/128, ML2.7(AEIC), Error ellipse: s-maj=5.0km
s-min=4.4km az=117.0, Southern Alaska

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes entries for FIS Fire Island, M22K Willow, etc.

1016

Main table for 1016 section, listing station codes (STLK, SKLK, etc.) and their corresponding data points.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Wolf Creek Mou, Purcell Mouna, Granite Mouna, etc.

WEL 16 06:18:30.1+1.2,33.5+16.18'0W,2.5,h374km,30km
mb4.6/5,ML4.5/10,ML4.5/8,Mw(MB)3.85,Error ellipse:
s-maj=33.8km s-min=18.8km az=108.5,confirmed,
South of Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Waiomatatini S, HAZ, KAUZ, etc.

NOU 16 06:27:47.0,16.27S:168.31E,h6km,MLV4.2/16,Vanuatu
Islands,Vanuatu Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like VLAKA Lakatoro, DVP Devils Point, etc.

IDC 16 06:51:56.9,1.4,16.19S:168.08E,h0km,mb4.0/6,
mbmp4.1/7,ML4.1/11,MS2.9/2,Error ellipse: s-maj=50.6km
s-min=23.9km az=112.0

NEIC 16 06:55:09.9,1.3,23.18N:0.06:143.7E,0.2,h10km,2km,
mb4.2/15,Error ellipse: s-maj=21.9km s-min=4.7km
az=113.0

NOU 16 06:51:57.9,16.27S:168.28E,h10km,MLV4.5/17,
Vanuatu Islands

ISC 16 06:51:57.5-0.7,16.29S:0.07:168.24E:0.07,h10km,n38,
e:117/33,mb4.1/15,Vanuatu Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like VLAKA Lakatoro, DVP Devils Point, etc.

IDC 16 06:55:07.2-0.5,23.13N:143.67E,h0km,mb4.2/24,
mbmp4.2/26,ML3.4/2,MS3.7/19,Error ellipse:
s-maj=20.3km s-min=12.8km az=78.0

NEIC 16 06:55:09.9,1.3,23.18N:0.06:143.7E,0.2,h10km,1km,
mb4.7/51,Error ellipse: s-maj=23.4km s-min=9.7km
az=90.0

ISC 16 06:55:09.3-0.5,23.23N:0.06:143.6E:0.1,h10km,n96,
e:106/89,mb4.5/48,MS3.7/16,Volcano Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like JCJ Chichijima, MJAR Matsuhiro, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like ILAR, IL03 Eielson Array, etc.

IDC 16 07:17:43.9:255.0,56.94N:41.35E,h0km,Error ellipse:
s-maj=99.3km s-min=50.6km az=87.0,Baltic
States-Belarus-Northwestern Russia

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2018 DEC

16d 7h

Table with columns: GYA, Guiyang, 73.33 305, P, P, 07 55 35.5 -0.1, etc.

Table with columns: HOM, Homer, 82.46 19, P, P, 07 56 26.0 +0.6, etc.

Table with columns: CRQE, Cirque, 86.15 22, P, P, 07 56 43.7 -0.7, etc.

16d 7h

Table of meteorological data for stations 1A19K to F31M, including station name, coordinates, and various meteorological parameters.

2018 DEC

Table of meteorological data for stations INK to KEST, including station name, coordinates, and various meteorological parameters.

1020

Table of meteorological data for stations TORO to NOUC, including station name, coordinates, and various meteorological parameters.

Table with columns: Name, RA, Dec, P, S, B, Z. Contains data for stations like KODZ, KRDZ, ZEDA, etc.

Table with columns: Name, RA, Dec, P, S, B, Z. Contains data for stations like MLR, Muntele Rosu, TEKS, etc.

Table with columns: Name, RA, Dec, P, S, B, Z. Contains data for stations like ZETA, RETA, DAVOX, etc.

16d 9h

Table with columns: NRK, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase, Time, Residual. Includes stations like NRK Noril'sk, SONM Songlino Array, ULN Ulaanbaatar, HHC Hu-ho-hao-te, etc.

MOS 16 09:42:35.2 1.0, 3:30S:140.28E, h64km, mb6.2/57, MS5.3/12, Error ellipse: s-maj=7.7km s-min=4.2km az=113.0
IDC 16 09:42:36.2 1.1, 3:38S:140.26E, h59km, mb5.5/29, mbtm05.8/34, MS5.3/42, Error ellipse: s-maj=10.0km s-min=7.0km az=79.0
NEIC 16 09:42:36.9, 3:30S:140.24E, h60km, Moment Tensor Solution. Duration: 57 Moment tensor: Scale 10^18Nm; M=1.07; Mw=0.67; Ms=0.40; M=0.98; M=0.70; Mw=0.58; Fault plane solution: M1:62.0000/1018 NP1: phi=122.83000; beta:4.0000; lambda:96.01000; NP2: phi=18.16000; beta:3.10000; lambda:75.86000; Principal axes: T:1.7024, P:2.0000, Azm:17.0000; N:0.1563; Plg:6.0000; Azm:125.0000; P:-1.5441, Plg:67.0000; Azm:22.0000;
DJA 16 09:42:37.0 0.2, 4:2S:141.0E, h69km, mb6.0/153, mb6.2/153, mB6.4/119, MLV6.8/6, Mw6.1/179, Mw(mB)6.1/119, Mw(mwp)5.8/114, Mw(mwp)5.9/114
BUJ 16 09:42:37.5, 3:87S:140.29E, h80km, mb5.5/95, mB5.7/72, Ms5.5/96, Ms7.5/493
IPGP 16 09:42:37.0, 3:30S:140.28E, h73km, Mw6.2, Fault plane solution: NP1:phi=139.00000, delta3.00000, lambda-87.00000; NP2:phi=310.00000, delta1.70000, lambda-98.00000;
NEIC 16 09:42:37.2 1.9, 3:92S:0.03, 140.23E, h62km, mb6.0/152, Mw6.6, 1.49E refers to surface/manic waves, cutoff=50s. Triangular moment rate function
ISC 16 09:42:36.6 0.2, 3:89S:0.03, 140.25E, h66km, mb6.0/152, mB6.0/152, mB5.5/95, mB5.7/72, Ms5.5/96, Ms7.5/493

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase, Time, Residual. Includes stations like GENI Genyem, JAY Jayapura, SWI Sorong, SAUI Saumlaki, etc.

2018 DEC

Table with columns: SANI, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase, Time, Residual. Includes stations like SANI Sanana, MTSU Mount Surprise, KNRA Kunurra, etc.

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Table with columns: QLP, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase, Time, Residual. Includes stations like QLP Quiipie, SMKI Samarinda, BKB Balikpapan, etc.

16d 9h

Table with columns for station names (e.g., KPKS, UNV, SATY, ZHN, P08K, SPIA, LVA, KSH, KSH, KSH, KSH, KSH, KSH, MDOK, MDOK, MDOK, AAA, AAA, ZAA, ZALV, ZALV, ZALV, ULHL, CHHK, CHHK, BILL, BILL, TMM2, TMM2, Vnda, Vnda, FALS, FBK, UCH, CHMS, FRU1, FRU1, AAK, AAK, AAK, AAK, AAK, AAK, AAK, SBA, SBA, SBA, SGDS, SGDS, AML, KURK, KURK, KURK, KURK, KURB, KURB, KURB, EK2S, S1XK, S12K, DRK, DRK, DRK, BTLS, BTLS, GAMB, M11K, ROCAM, CHNA, CHNA, KBU, KBL, KBL, KBL, DZA, DZA).

2018 DEC

Table with columns for station names (e.g., M13K, CHGN, CHGN, CHGN, O14K, N14K, KK31, KKAR, KKAR, IUG, IUG, IUG, L14K, CHM, CHM, O15K, J14K, TNA, R16K, M15K, N15K, L15K, ANM, CHIR, TAOE, TAOE, TAOE, F14K, P16K, K15K, R17L, PLK4, O16K, N16K, O16K, M16K, G15K, L16K, O17K, P17K, S11, S11, J16K, ACHA, ACHA, H16K, N17K, N17K, R18K, I17K, O18K, L17K, M17K, M17K, G16K, P18K, OHAK, OHAK, OHAK, K17K, J17K, O18K, N18K, BV10, BV10, C16K, H17K, BRVK, BRVK, BRVK, BRVK, BRVK, G17K, SVW2, SVW2, L18K, L18K, Q19K, NR1K, NR1K, NR1K, NR1K, NR1K, NR1K).

NRIK

Table with columns for station names (e.g., NRIK, M18K, KDAK, KDAK, KDAK, KDAK, O19K, F17K, D17K, N19K, MAW, MAW, P19K, Q20K, J18K, RDOG, TTA, TTA, NGCH, H18K, C17K, L19K, L19K, F18K, G18K, E18K, GCSA, HRA, J19K, HOM, L20K, M20K, C18K, N20K, SPCR, H19K, K20K, G19K, B18K, F19K, BRSE, JLN, STKL, CAPN, J20K, I20K, H20K, SKT, E19K, E19K, C19K, PPLA, WBK, A19K, SUA, D19K, CAST, O22K, SEW, F20K, F20K, CHUM, WSAR, RC01, M22K, IMAR, D20K, MH20, H21K, JMDO, G21K, G21K, PMR, PMR, BIDO, SMDO, I21K, BPAW, TRF, PWL, KNK, B20K, F21K, P23K).

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2018 DEC

Table with 16 columns: Station ID, Name, Elevation (m), Azimuth, Distance (km), Frequency (MHz), Bandwidth (MHz), Mode, Status, and Date. The table lists various stations across different regions, including Alaska and the Yukon. It includes details such as call signs (e.g., SML, JASK, H22K), station names (e.g., Sawmill, Jask - Hormozg, Ishaitla Cre), and technical specifications.

16d 9h

Table with columns for station name, frequency, power, and various technical parameters. Includes stations like SOCH, SPITS, YKA, SNA, etc.

2018 DEC

Table with columns for station name, frequency, power, and various technical parameters. Includes stations like DPC, ULM, CHVC, etc.

1030

Table with columns for station name, frequency, power, and various technical parameters. Includes stations like DAVOX, MEM, WLF, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like CN2, NIKH, GSI, BNK, GRNR, ENH, UNV, LYN, SLVN, HNS, QSPA, BJT, BJI, P08K, PHRA, XAN, CHNA, S12K, CMAR, XLT, CHTO, MA2, PZH, HHC, CHGN, CD2, CHIR, ZEA, HIA, BTO, SII, M11K, R17L, PLK4, O14K, O15K, M14K, M13K, R18K, OHAK, Q17K, SEY, SEY, P16K, LZH.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like LZH, Q16K, ACHA, N15K, O16K, M14K, Q18K, P17K, KDAK, KDAK, KDAK, MAW, M15K, L14K, O17K, K13K, N16K, P18K, P18K, Q19K, Q19K, Q20K, GAMB, L15K, M16K, N17K, N17K, O18K, J14K, L16K, K15K, P19K, N18K, O19K, O19K, O19K, M17K, M17K, M17K, ILSW, HOM, O20K, N19K, L17K, M18K, BRSE, CIT, CIT, CIT, J16K, L18K, L18K, K17K, ANM, CAPN, J17K, N20K, SPCR, SPCW, L19K, I17K, TNA, O22K, M20K, G15K, TTA, F14K, H16K, YAK, YAK, YAK, YAK, YAK, ULN, ULN, L20K, Q23K, P23K, J18K, J18K, SUA, RCO1, BILL, BILL, MCMC, LZH.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like SKT, F15K, SONM, SONM, PWL, GTA, GTA, GTA, G16K, M22K, H17K, SAO, K20K, PMR, KNK, J19K, PPLA, BLG, GGB, PMPB, G17K, CUT, BELA, EYAK, KAIM, GCSA, H18K, SML, SHL, SHL, SHL, CAST, M23K, J20K, SCM, CHUM, F17K, KLU, G18K, I20K, BMRM, TRF, WAT1, H19K, WAT6, AFDM, M24K, PASC, PASC, F18K, BPWA, CRQE, DBO, DBO, N25K, H20K, G19K, TJX, DHY, L04D, D17K, MCK, ELS, C16K, HARP, MCARA, E18K, F19K, TKX, I21K, PINM, MPK, RDOG, OMMB, SIT, SMAI, H21K, CRAG, PAX, CTG, VTX, K04D, PNTR.

Table with columns: ID, Name, Value, Units, Status, Date, Value, Units, Status, Date. Includes entries like Umpqua Nationa, Pelican, Sierra Juarez, Tendick Farm, etc.

Table with columns: ID, Name, Value, Units, Status, Date, Value, Units, Status, Date. Includes entries like Wild Horse Val, Wild Horse Val, Wainwright, Atlin, Mohawk Valley, etc.

Table with columns: ID, Name, Value, Units, Status, Date, Value, Units, Status, Date. Includes entries like Camden Bay, Jago River, Newport, Dogway, Toolee, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like 833A Chaparral WMA, 833B Junction City, 833C Ogallala, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like FPAL Fort Paine, OTAV Otavalo, 352A Glaket, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like VORD Divnogorie, SPB Sao Paulo, FINES Sines Array B, etc.

16d 09:53:04.6, 1.0, 37.62N, 20.52E, h0km, mb3.8/6, mbmp3.9/12, ML3.6/5, MS4.0/2, Error ellipse: s-maj=22.7km s-min=15.8km az=155.0 THE 16d 09:53:07.6, 37.54N, 20.46E, h2km, 38km, ML3.5/9, Error ellipse: s-maj=38.0km s-min=0.7km az=0.0 ATH 16d 09:53:08.6, 37.59N, 20.53E, h17km, 1.0km, ML3.5/5, Error ellipse: s-maj=2.7km s-min=1.2km az=49.0 ISC 16d 09:53:07.0, 1.1, 37.54N, 20.03, 20.47E, 0.03, h13km, 7km, n49, c1917/1, mb3.7/6, Ionian Sea

16d 11h

KSRS	Korea Array	65.61 326 P	P	10 41 54.8 -0.1
NJ2	Nanjing	67.50 316 eP	P	10 42 10.0 +2.9
USRK	Ussuriysk Ar.	68.76 333 P	P	10 42 15.4 +0.6
SHEM	Shemya Is, Ala	68.98 4 LR	LR	11 10 27.4
PETK	Petropavlovsk-	69.77 353 LR	LR	11 07 30.4
MDJ	Mudanjiang	70.16 332 P	P	10 42 23.6 +0.2
MDJ	Mudanjiang	70.16 332 P	P	10 42 24.3 +0.9
TIA	Tai'an	71.18 318 P	P	10 42 29.9 0.0
CN2	Changchun	71.52 329 P	P	10 42 31.8 0.0
LYN	LuoYang	73.29 315 eP	P	10 42 42.8 +0.3
HNS	HongShan	73.44 318 pP	P	10 42 43.8 +0.5
QSPA	South Pole Qui	73.68 180 P	P	10 42 42.9 -1.7
QSPA	South Pole Qui	73.68 180 P	P	10 42 43.1 -1.5
XAN	Xi'an	75.48 312 P	P	10 42 55.1 -0.3
KMI	Kunming	75.97 302 pP	P	10 42 57.0 -1.6
CMAR	Chiang Mai Ar	76.48 294 P	P	10 43 00.6 -0.7
XLT	XilinHaoTe	76.57 324 eP	P	10 43 01.9 +0.5
PZH	PanZhiHua	77.37 303 P	P	10 43 07.8 +1.4
HHC	Hu-ho-hao-te	77.43 319 eP	P	10 43 06.8 +0.4
LZH	Lanzhou	80.11 312 P	P	10 43 23.3 +2.0
ULN	Ulaanbaatar	84.00 324 P	P	10 43 40.4 -1.1
SOMN	Songino Array	84.36 323 P	P	10 43 42.8 -0.5
GTA	Gaotai	84.47 314 eP	P	10 43 44.6 +0.6
BELA	Belgrano 2	85.04 175 P	P	10 43 45.5 -0.6
G19K	Purcell Mouna	86.24 13 P	P	10 43 53.4 +1.4
BUCK	Buck Mountain	86.80 42 P	P	10 43 53.1 -2.4
E19K	Redstone River	87.31 13 P	P	10 43 57.9 +0.6
NVAR	Mina Array Bea	87.61 49 P	P	10 43 59.3 -0.3
ILAR	Eielson Array	87.77 18 P	P	10 43 58.6 -1.0
113A	Mohawk Valley	88.98 56 P	P	10 44 04.6 -1.4
TIXI	Tiksi	91.74 348 LR	LR	11 20 02.7
SNA4	Sanae	91.99 183 P	P	10 44 18.5 -1.0
SNA4	Sanae	91.99 183 P	P	10 44 21.7 +2.2
VNA3	Neumayer Olymp	92.61 181 pP	P	10 44 20.9 -1.4
VNA2	Neumayer-Watz	92.89 181 pP	P	10 44 24.5 +1.0
VNA1	Neumayer-Stat	93.19 181 pP	P	10 44 24.1 -0.8
WMQ	Urumqi	94.54 314 eP	P	10 44 33.3 +1.7
TXAR	Lajitas Array	96.21 61 P	P	10 44 38.3 -1.4
YKA	Yellowknife Ar	98.54 27 P	P	10 44 48.7 -0.5
MKAR	Makanochi Array	99.03 316 P	P	10 44 52.1 +0.2
LESA	Schwarzleotal	143.04 332 ePKP	PKP	10 50 41.9 +1.6
ABTA	Abfattersbach	143.62 332 ePKP	PKP	10 50 43.3 +0.6
WBTA	Wattenberg	143.62 332 ePKP	PKP	10 50 43.3 +0.6
MOTA	Moosalm	143.79 333 ePKP	PKP	10 50 43.5 +0.2
SQTA	Sankt Quirin	143.84 333 ePKP	PKP	10 50 44.7 +1.3
FETA	Faeltens	144.20 333 ePKP	PKP	10 50 45.9 +1.0
DAVA	Damulau	144.35 335 PKP	PKP	10 50 47.0 +1.6
TORD	Torodi Ar, Bea	166.62 258 PKP	PKP	10 51 15.8 -1.7

HEL 16 10:51:23.4-0.3, 67.54N-20.77E, h0km, ML1.3, Suspected explosion

UPP 16 10:51:24.9-0.0, 67.63N-20.99E, h0km, ML2.3, Unknown, Sweden

Code	Station Name	Δ° AZZ°	Phase ID	Time Res
KUA	Kurraavaara	0.41 323	Op	h m s ISC
MASU	Masugnsgn	0.42 114	P	10 51 33.0 0.0
DUNU	Dundret	0.54 198	P	10 51 35.4 +0.2
LANU	Lannavaara	0.57 42	P	10 51 35.5 -0.3
LANU	Lannavaara	0.57 42	P	10 51 35.4 -0.3
RATU	Laukkuluppa	0.57 291	P	10 51 35.0 -0.8
KOVU	Salmi	0.68 333	P	10 51 38.0 +0.2
ERTU	Ertisaerv	1.18 156	P	10 51 46.4 -1.0
ERTU	Ertisaerv	1.18 156	P	10 51 46.6 -0.8
KLF	Kolari	1.21 108	PN	10 52 02.8 +0.7
KLF	Kolari	1.21 108	PN	10 52 02.0
KLF	Hetta	1.27 51	SB	10 52 03.9 +0.1
HEF	Hetta	1.27 51	PG	10 51 47.9 -1.4
HEF	Hetta	1.27 51	PG	10 52 05.4
HEF	Hetta	1.27 51	PG	10 52 05.4
KIF	Kilpisjärvi	1.38 357	SG	10 52 06.0 +0.2
KIF	Kilpisjärvi	1.38 357	PG	10 51 50.5 -0.9
KIF	Kilpisjärvi	1.38 357	PG	10 51 51.0 -0.4
KIF	Kilpisjärvi	1.38 357	PG	10 52 08.5
KIF	Kilpisjärvi	1.38 357	PG	10 52 11.3 +0.9

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HARU	Harads	1.47 180 P	Pn	10 51 51.9 -0.8
KTK1	Kautokeino	1.62 30 PG	Pg	10 51 54.4 -0.3
KTK1	Kautokeino	1.62 30 PG	Pg	10 52 18.1 +1.2
TRO	Tromso	2.15 340 SG	Sg	10 52 32.0 +0.4
RNF	Rovaniemi	2.21 115 PG	Pg	10 52 32.0 +1.2
RNF	Rovaniemi	2.21 115 PG	Pg	10 52 32.7 +0.1
KMNF	Kaamanen	2.70 53 PN	Pn	10 52 09.5 +0.1
KMNF	Kaamanen	2.70 53 PN	Pn	10 52 44.1 +1.4
RANF	Ranua	2.81 123 PG	Pg	10 52 14.4 -1.4
RANF	Ranua	2.81 123 PG	Pg	10 52 51.4 +0.7
RAJF	Raja-Jooseppi	2.88 69 PG	Pg	10 52 16.4 -0.6
RAJF	Raja-Jooseppi	2.88 69 PG	Pg	10 52 33.7 +0.1
BURU	Burvik	3.06 177 PG	Pg	10 52 16.4 +0.2
BURU	Burvik	3.06 177 PG	Pg	10 52 54.0 +2.3
KEV	Kevo	3.06 43 PB	Pb	10 52 16.0 +1.5
KEV	Kevo	3.06 43 PB	Pb	10 52 52.4 +0.7
UMAU	Umeaa	3.77 182 PB	Pb	10 52 25.4 +1.3
UMAU	Umeaa	3.77 182 PB	Pb	10 53 10.5 +1.5
KU1	Kurvinen	4.00 117 SB	Sb	10 53 23.3 -1.5

SJA 16 10:52:05.0, 21.78S-68.90W, h135km, ML3.3

GUC 16 10:52:07.5, 0.7, 21.77S-68.77W, h119km, 4km, ML3.5

ISC 16 10:52:05.8-1.6, 21.77S-68.86W, 0.06, h134km, 1 km, n27, -0.073/38, 8C-1D, Chile-Bolivia border region

Code	Station Name	Δ° AZZ°	Phase ID	Time Res
PB09	IPOC Station P	0.36 265	Op	h m s ISC
PB09	IPOC Station P	0.36 265	Op	10 52 24.9 0.0
PB09	IPOC Station P	0.36 265	Op	10 52 38.4 -0.9
PB09	IPOC Station P	0.36 265	Op	10 52 40.4
PB01	IPOC Station P	0.93 321	iP	10 52 24.3 -0.6
PB01	IPOC Station P	0.93 321	iP	10 52 28.9 +0.3
PB01	IPOC Station P	0.93 321	iP	10 52 45.5 -0.4
PB01	IPOC Station P	0.93 321	iP	10 52 47.5
PB06	IPOC Station P	1.15 215	iP	10 52 28.0 -0.6
PB06	IPOC Station P	1.15 215	iP	10 52 31.2 +0.6
PB06	IPOC Station P	1.15 215	iP	10 52 50.0 +0.4
PB06	IPOC Station P	1.15 215	iP	10 52 51.0
PB06	IPOC Station P	1.15 215	iP	10 52 30.7 0.0
PB04	IPOC Station P	1.33 245	iP	10 52 33.4 +0.9
PB04	IPOC Station P	1.33 245	iP	10 52 59.0 0.0
PB04	IPOC Station P	1.33 245	iP	10 52 56.6
PB04	IPOC Station P	1.33 245	iP	10 52 32.8 +0.3
AF01	San Pedro de A	1.34 152	iP	10 52 37.7 -0.1
AF01	San Pedro de A	1.34 152	iP	10 52 52.1 -1.2
AF01	San Pedro de A	1.34 152	iP	10 52 53.9
AF01	San Pedro de A	1.34 152	iP	10 52 32.5 -0.2
PX03	IPOC Station P	1.54 332	iP	10 52 34.5 -0.2
PX03	IPOC Station P	1.54 332	iP	10 52 56.8 0.0
PX03	IPOC Station P	1.54 332	iP	10 52 58.6
PB15	IPOC Station P	1.54 202	eS	10 52 35.8 +0.9
PB15	IPOC Station P	1.54 202	eS	10 52 57.9 +0.7
PB15	IPOC Station P	1.54 202	eS	10 52 36.1 +1.2
PB08	IPOC Station P	1.64 350	iP	10 52 37.0 +0.8
PB08	IPOC Station P	1.64 350	iP	10 53 00.0 +0.7
PB08	IPOC Station P	1.64 350	iP	10 53 00.8
PB08	IPOC Station P	1.64 350	iP	10 52 36.4 +0.1
TA01	Diego Aracena	1.72 314	eS	10 52 37.1 +0.4
TA01	Diego Aracena	1.72 314	eS	10 53 00.1 -0.1
TA01	Diego Aracena	1.72 314	eS	10 52 36.5 -0.2
TA02	Huaiquique	1.91 321	iP	10 52 38.9 0.0
TA02	Huaiquique	1.91 321	iP	10 53 04.4 +0.2
TA02	Huaiquique	1.91 321	iP	10 53 10.1
TA02	Huaiquique	1.91 321	iP	10 52 40.7 +1.8
GO01	Chusmiza	2.11 351	iP	10 52 42.4 +0.5
GO01	Chusmiza	2.11 351	iP	10 53 09.9 +0.5
GO01	Chusmiza	2.11 351	iP	10 53 13.9
GO01	Chusmiza	2.11 351	iP	10 52 41.9 0.0
YJA	Yav	3.13 98	iP	10 52 55.4 +0.8
PB12	IPOC Station P	3.43 336	eP	10 52 57.2 -1.0
PB12	IPOC Station P	3.43 336	eP	10 52 56.8 -1.4
GO02	Mina Guanaco	3.45 191	iP	10 52 58.7 0.0
AZAP	Zapla	4.26 126	iP	10 53 09.6 +0.2
AC01	Pan de Azucar	4.64 200	iP	10 53 12.9 -1.3

KOLA 16 10:52:23.1, 69.08N-33.21E, h0km, ML2.6, Error ellipse: s-maj=2.9km s-min=2.0km az=50.0, Mummars region, Closed territories.

HEL 16 10:52:22.5, 2.69°11N-33.18E, h0km, ML2.0, Suspected explosion, Baltic States-Belarus-Northwestern Russia

Code	Station Name	Δ° AZZ°	Phase ID	Time Res
TERR	Teriberka	0.70 82	Op	h m s ISC
TERR	Teriberka	0.70 82	Op	10 52 35.2 -0.6
PRVG	Vayda Guba	0.73 332	P	10 52 38.0 0.0
LVZ	Lovozero	1.33 155	S	10 52 46.4 -1.6
LVZ	Lovozero	1.33 155	S	10 53 03.8 -1.5
LVZ	Lovozero	1.33 155	S	10 53 03.8 -1.5
LVZ	Lovozero	1.33 155	S	10 52 49.1 -1.7
APA0	Apatity Array	1.51 183	P	10 53 04.8 -2.5
APA0	Apatity Array	1.51 183	P	10 52 49.9 -1.4
APA	Apatity	1.55 177	P	10 53 09.5 -2.7
VADS	Vadso	1.68 309	P	10 53 34.3 +0.3
VADS	Vadso	1.68 309	P	10 53 15.0 -0.2
RAJF	Raja-Jooseppi	1.88 252	eP	10 52 56.1 +0.3
RAJF	Raja-Jooseppi	1.88 252	eP	10 53 20.2 +0.1
VRF	Vario	1.90 226	eP	10 52 56.3 +0.1
VRF	Vario	1.90 226	eP	10 53 20.7 -0.1
VRF	Vario	1.90 226	eP	10 53 24.5
KMNF	Kaamanen	2.21 274	eP	10 53 01.2 +0.7
KMNF	Kaamanen	2.21 274	eP	10 53 30.7 -0.6
KEV	Kevo	2.27 289	eS	10 53 01.9 +0.6
KEV	Kevo	2.27 289	eS	10 53 30.8 +0.9
KEV	Kevo	2.27 289	eS	10 53 32.8
ARA0	ARCESS Array S	2.76 282	eP	10 53 08.3 +0.4
OLKF	Oulanka, Finla	3.15 209	eP	10 53 13.5 +0.2
OLKF	Oulanka, Finla	3.15 209	eP	10 53 58.7
KU6	Rieikki	3.34 204	eP	10 53 15.8 -0.1
KU6	Rieikki	3.34 204	eP	10 53 54.3 -2.0
HEF	Hetta	3.54 263	eS	10 53 18.0 0.0
HEF	Hetta	3.54 263	eS	10 53 58.9 -2.1
HEF	Hetta	3.54 263	eS	10 54 16.2
KTK1	Kautokeino	3.57 273	eP	10 53 19.1 0.0
MSF	Masisekko	3.58 208	eP	10 53 14.0 +1.1
HAMF	Hammerfest	3.62 300	eP	10 53 19.6 -0.1
RNF	Rovaniemi	3.70 231	eP	10 53 20.6 -0.2
KLF	Kolari	3.92 246	eP	10 53 23.0 +0.9
RAF	Romuvuara	5.08 196	eP	10 53 38.4 -1.4
RMF	Minto	6.86 264	S	10 54 02.1 -2.1
FAUS	Faus	6.86 264	S	10 55 18.7 -4.2

SOME 16 11:15:48.2, 38.88N-73.50E, h20km, 1C-1D, Tajikistan-Xinjiang border region

Code	Station Name	Δ° AZZ°	Phase ID	Time Res
MRKS	Merke	3.86 357	Op	h m s ISC
MRKS	Merke	3.86 357	Op	11 16 58.3 +2.5
MRKS	Merke	3.86 357</		

AZER 16 11:25:48.7, 38.76N, 48.56E, h15km, m3.0
TEH 16 11:25:49.9, 38.67N, 48.51E, h24km, 33km, ML2.7
ISC 16 11:25:50.3, 1.2, 38.72N, 0.03, 48.52E, 0.03, h21km, 1km, n36, e123/62, Iran-Armenia-Azerbaijan border region

IDC 16 11:32:56.5, 1.8, 17.60S, 178.94W, h552km, 20km, mb3.0/7, mbmp3.9/8, Error ellipse: s-maj=39.5km s-min=18.5km az=152.0

ISC 16 11:32:55.7, 0.9, 17.7S, 0.3, 178.9W, 0.2, h539km, n8, e1502/8, mb3.5/7, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Lerik, Lenkeran, Astara, Yardimli, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Nonsavu, Stephens Creek, Warramunga Arr, etc.

NOU 16 11:34:39.5, 16.26S, 168.39E, h3km, MLV4.5/13, Vanuatu Islands, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Devils Point, Koumac, etc.

KRNET 16 11:34:54.6, 0.1, 41.39N, 171.77E, h21km, mb2.7

ISU 16 11:34:55.9, 41.26N, 171.71E, h10km

SOME 16 11:34:56.3, 41.28N, 171.73E, h15km

NWC 16 11:34:57.2, 6.4, 1.27N, 171.71E, h0km, mb3.7, mpv3.4, Error ellipse: s-maj=22.6km s-min=7.8km az=50.0

ISC 16 11:34:54.1, 1.1, 41.29N, 171.81E, 0.02, h5km, 10km, n45, e125/80, 23C-7D, Kyrgystan

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations including Kasansay, Namangan, Arkit, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like TNSS, TNS5, MDOK, etc.

NEIC 16 11:37:15.7, 1.1, 18.1S, 0.1, 178.0W, 0.1, h583km, 10km, mb4.5/52, Error ellipse: s-maj=20.9km s-min=18.1km az=129.0

IDC 16 11:37:17.0, 1.0, 18.1S, 178.26W, h588km, 9km, mb3.5/20, mbmp4.2/22, Error ellipse: s-maj=16.0km s-min=11.2km az=131.0

ISC 16 11:37:16.5, 0.4, 18.18S, 0.07, 178.19W, 0.07, h590km, n137, e127/140, 140, mb3.6, Fiji Islands region

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations including Nonsavu, Futu, Afi, etc.

16d 12h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KNRA Kununurra, FITZ Filizora, PSATO Pilbara Seismi, etc.

UPA 16:11:46:51.4, 0.6, 9.18N, 82.33W, h15km, 2km, ML3.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CN12 El Empalme, CHGR2 Aguacate, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like EDPP2 Potrero Grande, VTLA Turrialba Volc, SNET 16:11:52:10.5, etc.

IDC 16:11:57:27.2, 2.2, 23.44S, 179.88W, h529km, 29km, mb3.5/5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MSVF Nonsavu, URZ Urewera, CTAO Charters Tower, etc.

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IDC 16:12:04:35.9, 1.1, 47.45N, 82.73E, h0km, mb3.6/2, mbmp3.3/6, ML2.6/4, MS3.6/1, Error ellipse: s-maj=15.3km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MK31 Makanchi Array, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Frequency, P, S, L, B, T, and various parameters. Includes stations like TNS5, TNS6, TNS7, etc.

ADC 16 12:05:31.5+1.4, 37.58N-20.83E, h0km, mb3.5/8, mbmp3.5/9, ML3.8/1, Error ellipse: s-maj=31.3km s-min=24.2km az=149.0

Table with columns: Code, Station Name, Frequency, P, S, L, B, T, and various parameters. Includes stations like KRI1, LTHK, ORTH, etc.

Table with columns: Code, Station Name, Frequency, P, S, L, B, T, and various parameters. Includes stations like PYL, PYL, NYDR, etc.

IDC 16 12:16:22.5-0.9, 28.19N-104.99E, h0km, mb3.6/8, mbmp3.5/10, ML3.7/2, MS3.6/1, Error ellipse: s-maj=30.9km s-min=17.3km az=60.0

ISC 16 12:16:27.2-0.9, 28.22N-101.105E, 0.2, h35km, n11, a065/10, mb3.6/8, Sichuan

Table with columns: Code, Station Name, Frequency, P, S, L, B, T, and various parameters. Includes stations like CMAR, SOMM, KSRS, etc.

BUI 16 12:21:06.6, 4.26Sx153.25E, h78km, mb4.4/20, mB5.1/2, NEIC 16 12:21:08.4+1.5, 4.25S:0.09, 152.88E:0.09, h61km, 3/km, mb4.9/32, Error ellipse: s-maj=14.5km s-min=11.4km az=143.0

Table with columns: Code, Station Name, Frequency, P, S, L, B, T, and various parameters. Includes stations like RABL, MANU, PMG, etc.

Table with columns: Code, Station Name, Frequency, P, S, L, B, T, and various parameters. Includes stations like MBWA, PSA00, GRZ, etc.

Table of astronomical observations. Columns include: Name (e.g., PSI, ASAJ), RA (e.g., 49.58 279), Dec (e.g., 05.0 4.2), Type (e.g., P, LR), and other classification codes.

Table of astronomical observations. Columns include: Name (e.g., MA2, MA2), RA (e.g., 65.72 2c), Dec (e.g., 57.8 0.6), Type (e.g., P, pmx), and other classification codes.

Table of astronomical observations. Columns include: Name (e.g., B20K, OTUK), RA (e.g., 84.66 16), Dec (e.g., 15.0 1.0), Type (e.g., Iamb, Iamb), and other classification codes.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for MK31, MK31, AB31, AB31.

SDD 16 13:20:37.0.2.1, 18.14N-66.86W, h26km, 17km, MD2.2, ML1.3, MW2.3, 2C, Puerto Rico region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for AOPR, AOPR, AOPR, MLPR, MLPR, MLPR, CRPR, CELP, CELP, SJG, SJG.

IDC 16 13:22:05.2.2.1, 2.77N: 128.28E, h0km, mb3.4/4, mbtmp3.4/4, Error ellipse: s-maj=166.7km s-min=23.5km

DJA 16 13:22:28.3.0.7, 2.7N: 128.28E, h150km, 5km, M3.6/8, MLV3.6/8

ISC 16 13:22:21.5.1.7, 2.6N: 128.7E: 0.3, h150km, n7, c09717, mb3.3/4, Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for TNTI, SGGI, SANI, WRA, ASAR, MKAR, KURBB.

IDC 16 13:41:59.4.2.1, 3.73N: 142.17E, h0km, mb3.3/3, mbtmp3.3/5, ML2.7/2, MS3.8/1, Error ellipse: s-maj=39.3km

JMA 16 13:42:03.0.2.3, 3.73N: 142.17E: 0.8, h31km, 3km, MV3.5/8, E OFF FUKUSHIMA PREF

ISC 16 13:42:04.3.1.3, 3.73N: 142.03E: 0.08, h35km, n24, c153923, mb3.4/3, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for JIKH, JIKH, JFK, JMK, JMM, JMM, ONAJ, ONAJ, JIO, JIO, JOTO, JOTO, JOU, JOU, JMK, JYS, JYS, JFY, JYK, MJAR, MJAR, ASAJ, ASAJ, H1N2, H1N1, H1N3, H1S1, H1S3, H1S2, MKAR, KURBB, PMG, WRA.

NOU 16 13:48:50.3, 16.31S: 168.30E, h10km, MLV4.4/13, Vanuatu Islands, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for DVP, KOUNC, YATNC, NOUC, NOUC, NOUC, NOUC.

CATAC 16 13:53:39.6.0.6, 11.25N: 87.48W, h20km, MB6.1, ML3.8, Near coast of Nicaragua

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for COPN, COPN, R4631, R4631, SAPS, SAPS, AMTN, AMTN, LEVN, LEVN, MACN, MACN, CNGA, CNGA.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for CNGA, UNAN, UNAN, UNAN, USIM, USIM, SABN, SABN, APQZ, APQZ, MOMM, MOMM, MOMM, TISN, TISN, MAS3, MAS3, HERN, HERN, NANN, NANN, PLRN, PLRN, CRIN, CRIN, MOM2, MOM2, MOM2, WILN, WILN, WILN, CSGN, POTN, POTN, BRAN, BRAN, LIMN, LIMN, ACON, ACON, ACON, PETF, PETF, PETF.

IDC 16 13:58:56.2.1.9, 1.6: 29S: 168.34E, h0km, mb3.7/3, mbtmp3.7/4, ML3.8/1, Error ellipse: s-maj=50.4km

NOU 16 13:58:57.9, 16.27S: 168.32E, h7km, MLV4.3/12, Vanuatu Islands

ISC 16 13:58:58.1.1.5, 1.6: 29S: 168.3E: 0.1, h10km, n11, c08512, mb3.8/3, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for VLAKA, VLAKA, KOUNC, KOUNC, DZM, DZM, DZM, ASAR, ASAR, NVAR, NVAR.

RHSSO 16 14:16:24.2.0.6, 42.21N: 19.55E, h3km, 1km, ML2.7/11 PDG 16 14:16:24.2.0.1, 42.28N: 19.48E, h15km, MD2.8/4, ML2.7/13, Error ellipse: s-maj=0.2km s-min=0.3km az=0.0

BE0 16 14:16:25.7.0.3, 42.27N: 19.49E, h0km, ML2.4/10 PRU 16 14:16:26.6.1.4, 94.94N: 19.33E, h10km

ISC 16 14:16:24.9.1.0, 42.28N: 19.50E: 0.02, h7km, 8km, n63, c125/108, 9C-5D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for PDG, PDG, PDG, PDG, PDG, PDG, DRME, DRME, ULC, ULC, ULC, BUM, BUM, PUV, PUV, PUV, CEME, CEME, KOME, KOME, KOME, NKME, NKME, BEY, BEY, IVA, IVA, IVA, HCY, HCY, HCY, BRY, BRY, BRY, TREB, TREB, TREB, UPM, UPM, UPM, UPM, SJES, SJES, SJES, PLE, PLE, RUDO, RUDO, RUDO, IVAS, IVAS, KALIN, KALIN, KALIN, OHR, OHR.

IPGP 16 14:26:15.3, 23.79S: 112.79E, h10km, mb5.3/93, mb5.9/81, Mb5.6/99, Ms7.5/99

IDC 16 14:26:18.8.1.2, 23.31S: 112.58E, h0km, mb5.4/25, mbtmp5.4/30, ML5.3/5, MS5.4/63, Error ellipse: s-maj=14.6km s-min=1.3km az=85.0

MOS 16 14:26:18.8.1.2, 23.31S: 112.58E, h10km, mb5.9/61, MS5.3/26, Error ellipse: s-maj=9.2km s-min=5.3km az=106.2

IPGP 16 14:26:19.0, 23.38S: 112.45E, h23km, Mw5.9, Fault plane solution: NP1: 13.00000, 847.00000, 1.000000

NEIC 16 14:26:19.6, 1.6, 23.32S: 112.50E: 0.05, h10km, 1km, mb5.9/17, Ms_20.5/8339, Mwbs.8/49, Mwvs.8/37, Error ellipse: s-maj=11.9km s-min=7.0km az=330.0, Moment Tensor Solution: Moment tensor: Scale 1017Nm; M=5.40; M=0.03; M=5.42; M=0.01; M=2.92; M=0.86; Fault plane solution: M: 6.21000x1017 NP1: 1.0208.45000, 841.52000, 1.9727000. NP2: 18.78000, 848.89000, 1.8361000. Principal axes: T: 5.4762, Plg84.0000, Azm241.0000, N: 1.2657, Plg5.0000, Azm23.0000; P: -6.7419, Plg4.0000, Azm113.0000;

NEIC 16 14:26:19.7, 23.36S: 112.53E, h26km

NEIC 16 14:26:19.7, 23.46S: 112.64E, h26km, Moment Tensor Solution. Duration: 387 Moment tensor: Scale 1017Nm;

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for OHR, SELS, SELS, BBLs, BBLs, BBLs, BBLs, BARS, BARS, Gruz, GRUS, HAPS, HAPS, DIVS, DIVS, FNA, FNA, TRUS, TRUS, BOVS, BOVS, BOVS, BOVS, BOSS, BOSS, TEKS, TEKS, TEKS, TEKS, ZAPS, ZAPS, ZAPS, ZAPS, ZAGS, ZAGS, ZAGS, ZAGS, FNA, FNA, BLY, BLY, BLY, A050A, A050A, A051A, A051A, A051A, A051A, CEY, CEY, CEY, SKED, SKED, SKED, SOKA, SOKA, OBKA, OBKA, OBKA, ARSA, ARSA, RONA, RONA, KBA, KBA, BIA, BIA, BIA, MOA, MOA, MOA, MOA, WTTA, WTTA, WTTA, WATA, WATA, WATA, MQTA, MQTA, MQTA, SQA, SQA, SQA, KHC, KHC.

NOU 16 14:16:38.8, 16.22S: 168.48E, h0km, MLV4.3/8, Vanuatu Islands, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for DVP, DVP, YATNC, YATNC, DZM, DZM, NOUC, NOUC, ONTC, ONTC.

IDC 16 14:26:05.1, 3.1, 40.98S: 43.52E, h0km, mb3.9/3, mbtmp3.9/4, ML3.2/1, Error ellipse: s-maj=157.7km

NEIC 16 14:26:08.8, 2.7, 40.98S: 0.1: 43.5E: 0.2, h10km, 5km, mb4.5/9, Error ellipse: s-maj=23.2km s-min=19.5km az=83.0

ISC 16 14:26:06.9, 0.7, 40.98S: 0.1: 43.5E: 0.1, h8km, n20, c1503/17, mb4.2/5, Southwest Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for VOI, VOI, BOA, BOA, SUR, SUR, LBTB, LBTB, ABPO, ABPO, ABPO, CASY, CASY, QSPA, QSPA, QSPA, QSPA, H01W2, H01W2, H01W3, H01W3, H01W1, H01W1, VNDA, VNDA, TORD, TORD, RPSI, RPSI, HRA, HRA, CCM, CCM, HHAR, HHAR, PECS, PECS, T2SA, T2SA.

BUI 16 14:26:15.3, 23.79S: 112.79E, h10km, mb5.3/93, mb5.9/81, Mb5.6/99, Ms7.5/99

IDC 16 14:26:18.8, 1.2, 23.32S: 112.50E, h0km, mb5.4/25, mbtmp5.4/30, ML5.3/5, MS5.4/63, Error ellipse: s-maj=14.6km s-min=1.3km az=85.0

MOS 16 14:26:18.8, 1.2, 23.31S: 112.58E, h10km, mb5.9/61, MS5.3/26, Error ellipse: s-maj=9.2km s-min=5.3km az=106.2

IPGP 16 14:26:19.0, 23.38S: 112.45E, h23km, Mw5.9, Fault plane solution: NP1: 13.00000, 847.00000, 1.000000

NEIC 16 14:26:19.6, 1.6, 23.32S: 112.50E: 0.05, h10km, 1km, mb5.9/17, Ms_20.5/8339, Mwbs.8/49, Mwvs.8/37, Error ellipse: s-maj=11.9km s-min=7.0km az=330.0, Moment Tensor Solution: Moment tensor: Scale 1017Nm; M=5.40; M=0.03; M=5.42; M=0.01; M=2.92; M=0.86; Fault plane solution: M: 6.21000x1017 NP1: 1.0208.45000, 841.52000, 1.9727000. NP2: 18.78000, 848.89000, 1.8361000. Principal axes: T: 5.4762, Plg84.0000, Azm241.0000, N: 1.2657, Plg5.0000, Azm23.0000; P: -6.7419, Plg4.0000, Azm113.0000;

NEIC 16 14:26:19.7, 23.36S: 112.53E, h26km

NEIC 16 14:26:19.7, 23.46S: 112.64E, h26km, Moment Tensor Solution. Duration: 387 Moment tensor: Scale 1017Nm;

Table with 10 columns: Call sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like MTSU Mount Surprise, CMAA Cobar Meteorol, COEN Coen, etc.

Table with 10 columns: Call sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like HALK Hakmana, CASY Casey, PALK Pallekele, etc.

Table with 10 columns: Call sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like MLZ Mavora Lakes, OZC Queen Island, YATNC Mamie plateau, etc.

16d 14h

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Table with columns: Station, Azimuth, Elevation, Azimuth Error, Elevation Error, Frequency, Polarization, and other technical details. Includes stations like Ouz Omahuta, Pats Khez, SNZO South Karori, etc.

Table with columns: Station, Azimuth, Elevation, Azimuth Error, Elevation Error, Frequency, Polarization, and other technical details. Includes stations like LYN comp=Z,79nm,1.5s, Bnda Banda, Lkn Luknow, etc.

Table with columns: Station, Azimuth, Elevation, Azimuth Error, Elevation Error, Frequency, Polarization, and other technical details. Includes stations like Kudl Iamb, Nplp Nplp, Ksrs Korea Array, etc.

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Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like CN2 Changchun, VLA Vladivostok, MDJ Ussuriysk Ar., etc.

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Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like NVL comp=Z,94nm,1.1s, ARQ comp=Z,3um,16.0s, POGA Pongola, etc.

16d 14h

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like TKM2 Tokmak 2, KBK Karagaybulak, ARXS Arharly, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WCHS, WTP, ECL, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NACS, ETLH, ETLL, etc.

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

Table with columns: Code, Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like SDBA SAO DESIDERIO, MAL2 Monte Alegre, ALFO1 Guarapari-ES, etc.

Table with columns: Code, Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like BORG Borgames, CLL Collin, KBZ Khabaz, etc.

Table with columns: Code, Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like G19K Purcell Mounta, G23K Bananza Creek, etc.

16d 18h

Table of astronomical observations for 16d 18h, listing parameters like PETK, MDJ, CN2, BNX, HNS, QSPA, XAN, CMAR, MA2, PZH, HHC, YAK, ULN, SONM, GTA, BELA, G19K, ISA, E19K, NVAR, GRAC, ILAR, J08A, ELK, TROLL, MFID, U15A, X16A, SNA6, VNA3, VNA2, VNA1, WMQ, PDAR, TXAR, YKA, MKAR, ARCES, LESA, ABTA, WTTA, SQTA, FETA, DAVA, TUE, TORD, and their associated coordinates and observation details.

ADC 16:18:30-39.7-0.6, 56.075s, 26.65W, h0km, mb4.4/6, mbtmp4.3/7, ML3.8/1, MS3.6/5, Error ellipse: s-maj=32.2km s-min=18.4km az=71.0
NEIC 16:18:30:51.2-2.2, 56.4S, 0:2-2.7:3W:0.3, hg99km, 12km, mb4.5/16, Error ellipse: s-maj=27.9km s-min=14.6km az=215.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC, listing observation data for stations like HOPE, VNA1, VNA3, VNA2, SNA6, SNA5, SNA4, SNA3, EFI, PMSA, TROLL, BELA, TROA, PLTB, LLO1, PLCA.

2018 DEC

Table of astronomical observations for 2018 DEC, listing parameters like QSPA, ITAB, CPUP, ZON, SUR, BOS, VND, PB01, PTBL, H10S2, H10S3, G001, G002, H10N1, H10N2, H10N3, LPAZ, SAML, ETMB, BOAV, TORD, ASAR, FINES, CMAR, ARCES, YKA, MKAR, INK, ILAR, SONM, and their associated coordinates and observation details.

NOU 16:18:34:59.7, 16:22S, 168:45E, h2km, MLV4.8/10, Vanuatu Islands
NEIC 16:18:35:00.5-0.5, 16:26S, 0:09, 168:5E, 0:2, h10km, 2km, mb4.4/6, Error ellipse: s-maj=36.8km s-min=5.0km az=113.0

ADC 16:18:35:02.4, 1.3, 16:44S, 168:03E, h0km, mb4.1/10, mbtmp4.1/11, ML4.5/1, MS3.7/6, Error ellipse: s-maj=38.1km s-min=20.7km az=118.0
ISC 16:18:35:03.5-1.1, 16:37S, 0:08, 168:1E, 0:2, h10km, n31, #1827, mb4.2/13, MS3.6/6, Vanuatu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC, listing observation data for stations like KOUNC, YATNC, DZM, RAR, WB0, WBD, WBS, WRA, AS31, ASAR, FORT, PPT, FITZ, NWA0, MJAR, KSR5, CMAR, PFO, NVAR, ILAR, MKAR, TORD, and their associated coordinates and observation details.

NORS 16:18:36:01.5, 42:48N, 43:45E, h8km, MPVA3.3
MOS 16:18:36:02.4, 42:51N, 43:37E, h14km, MPVA3.3
AFAD 16:18:36:03.8-0.0, 42:36N, 43:33E, h7km, 2km, ML1.7
ISC 16:18:36:01.7-1.2, 42:47N, 0:03, 43:42E, 0:04, h4km, 11km,

1058

Table of astronomical observations for 1058, listing parameters like Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC, listing observation data for stations like DIGR, LACR, ARNR, STDR, EPOS, EPOS, EPOS, KQB, KBZ, SHA1, KIV0, KIV1, KIV2, PYA1, PYA2, DBOC, DBOC, DAGI, DAGI, DAGI, EAK, EAK, EAK, EAK, DBAD, DBAD, and their associated coordinates and observation details.

ADC 16:18:43:58.9-3.6, 5.64S, 147.77E, h206km, 28km, mb3.1/3, mbtmp3.6/5, MS3.0/1, Error ellipse: s-maj=52.8km s-min=33.8km az=102.0, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC, listing observation data for stations like PMG, PMG, PMG, WRA, ASAR, MKAR, and their associated coordinates and observation details.

NEIC 16:18:52:17.7-2.4, 69:06N, 0:02, 146:99W, 0:06, h10km, 2km, Error ellipse: s-maj=3.8km s-min=3.1km az=215.0
AEIC 16:18:52:17.3-1.1, 69:07N, 0:02, 147:04W, 0:05, h1km, 6km, ML3.0, ML3.3/92(NEIC), Error ellipse: s-maj=2.5km s-min=2.1km az=58.0
ADC 16:18:52:18.3-4.9, 69:21N, 147:02W, h0km, mb3.3/1, mbtmp3.4/4, ML3.3/3, MS3.7/1, Error ellipse: s-maj=63.2km s-min=26.9km az=142.0
ISC 16:18:52:16.7-1.2, 69:10N, 0:02, 147:00W, 0:02, h6km, 10km, n76, #15175, Northern Alaska

ADC 16:18:52:18.3-4.9, 69:21N, 147:02W, h0km, mb3.3/1, mbtmp3.4/4, ML3.3/3, MS3.7/1, Error ellipse: s-maj=63.2km s-min=26.9km az=142.0
ISC 16:18:52:16.7-1.2, 69:10N, 0:02, 147:00W, 0:02, h6km, 10km, n76, #15175, Northern Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC, listing observation data for stations like D25K, D25K, D24K, D24K, D24K, C24K, C24K, C24K, C24K, C26K, C26K, C26K, C26K, E25K, E25K, E25K, E24K, E24K, C27K, C27K, D23K, D23K, E23K, E23K, E23K, C23K, C23K, C23K, C23K, F25K, F25K, F24K, F24K, F24K, F24K, F26K, F26K, F26K, F26K, BMAR, E22K, and their associated coordinates and observation details.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like E22K, E22K, E22K, D22K, D22K, D27M, D27M, E27K, E27K, E27K, G24K, G24K, B22K, G23K, B21K, B21K, F28M, F28M, G27K, G27K, F21K, F21K, E29M, G21K, PRP, B20K, B20K, F20K, F20K, POKR, POKR, I23K, I23K, I23K, I26K, I26K, I26K, E19K, COLA, COLA, IL31, ILAR, F30M, F30M, J25K, J25K, NEA2, F19K, F19K, EGAK, EGAK, EGAK, INK, INK, INK, H19K, F31M, F31M, F31M, G31M, G31M, G31M, MENT, YKA, NVAR, MKAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VNA3, VNA2, VNA1, MAW, CPUP, CPUP, NNA, LPAZ, ATAH, CTA, CTA, BDFB, ASAR, H01W, H01W, H01W, H01W, TXAR, BATI, HAT3, H11N1, H11N2, BOSA, KAPI, ILAR, SONM, EKA, IDC 16 19:00:29.5, MIRAS, NNC, ISC, Code, PR7R, PR7R, PR7R, PR1R, PR1R, PR1R, PR0R, PR0R, PR6R, PR6R, PR6R, PR3R, PR3R, PR3R, PR4R, PR4R, PR4R, KAUR, KAUR, ARTI, ARTI, ARTI, ARTI, ARTI, KIRV, KIRV, KIRV, BRVK, BRVK, BVAO, BVAO, BVAO, BVAR, BVAR, AKTO, AKTO, AKTO, AKTO, BELG, BELG, BELG, AB31, AB31, AB31, MKAR, KBZ.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HFS, HFS, SONM, GUMO, TSUM.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IDC 16 19:01:56.7, HNR, HNR, HNR, WRA, ASAR, URZ, SONM, MKAR.

NEIC 16 19:11:24.9, AEIC 16 19:11:24.6, M22K, FIS, FIS, FIS, SUA, SUA, SUA, RC01, RC01, RC01, PMR, PMR, PMR, GHO, GHO, GHO, KNK, KNK, SML, SML, CAPN, STLK, STLK, STLK, SKT, SKL, SKLM, SKLM, CUT, Eagle, PWL, SPU, SPU, SCM, GLI, M20K, M20K, FID, FID, FID, M24K, KLU, KLU, RND, RND, ILSW, KTH, KTH, CAST, CAST, CAST, N19K, L19K, N25K, N25K, K20K, K20K, BPAW, N18K, O18K, O18K, TTA, L18K, M17K, M17K, M17K, IL31, N17K, N17K, J18K, J18K, I23K.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IDC 16 19:00:08.9, IDC 16 19:00:10.2, VANDA, PMSA, QSPA, QSPA, PPT, H03S2, H03S1, H03S3, PLCA, PLCA, H03N3, H03N2, H03N1.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BRVK, BVAO, BVAO, BVAR, BVAR, AKTO, AKTO, AKTO, AKTO, BELG, BELG, BELG, AB31, AB31, AB31, MKAR, KBZ.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like M22K, FIS, FIS, FIS, SUA, SUA, SUA, RC01, RC01, RC01, PMR, PMR, PMR, GHO, GHO, GHO, KNK, KNK, SML, SML, CAPN, STLK, STLK, STLK, SKT, SKL, SKLM, SKLM, CUT, Eagle, PWL, SPU, SPU, SCM, GLI, M20K, M20K, FID, FID, FID, M24K, KLU, KLU, RND, RND, ILSW, KTH, KTH, CAST, CAST, CAST, N19K, L19K, N25K, N25K, K20K, K20K, BPAW, N18K, O18K, O18K, TTA, L18K, M17K, M17K, M17K, IL31, N17K, N17K, J18K, J18K, I23K.

16d 19h

Table with columns: PLO, P, L, V, M, TES, BR, MOR, MMA, TOR, MKAR, ZALV. Includes station names, coordinates, and various parameters.

CATAC 16 19:31:51.1±0.6, 14.47N:86.70W, h10km, ML3.6
SNET 16 19:31:57.0±0.5, 14.31N:87.04W, h15km, 3km, ML2.8
ISC 16 19:31:49.3±1.1, 14.52N:0.09:86.72W±0.05, h12km±10km, n18, c049/34, Honduras

Main table for 16d 19h section with columns: Code, Station Name, Az, Phase, ID, Time, Res. Lists various stations like YUSCARAN, EI HORNO, etc.

IDC 16 19:36:58.6±5.7, 29.88S:177.37W, h0km, mb3.6/3,
mbtmp3.7/4, ML3.1/1, MS3.5/1, Error ellipse:
s-maj=101.7km s-min=22.2km az=80.0, Kermadec Islands

Table for IDC section with columns: Code, Station Name, Az, Phase, ID, Time, Res. Lists stations like RAO, URZ, HNR, etc.

IDC 16 19:46:11.0±6.7, 53.58N:171.02W, h160km, 61km, mb3.2/7,
mbtmp3.8/9, Error ellipse: s-maj=36.6km s-min=25.5km
az=10.0
NEIC 16 19:46:15.4±2.4, 53.8N:0.2±170.1W, 0.2, h133km, 29km,
mb3.8/43, ML3.7/6, Error ellipse: s-maj=37.5km
s-min=9.5km az=161.0

ISC 16 19:46:15.1±0.8, 53.77N:0.1±170.05W, 0.09, h150km, n83,
c141/81, mb3.5/8, Fox Islands

Main table for IDC/NEIC/ISC section with columns: Code, Station Name, Az, Phase, ID, Time, Res. Lists stations like LVA, ATKA, GSTR, etc.

2018 DEC

Main table for 2018 DEC section with columns: IMAR, KLU, E19K, M24K, I23K, N25K, CCB, D19K, D19K, HDA, ILAR, G23K, G23K, H24K, H24K, J25K, SCRR, E22K, E22K, PRP, G24K, G24K, J26L, D22K, E23K, E23K, B20K, BCAR, F24K, B21K, B21K, E24K, E24K, I26K, I26K, D23K, D23K, TOLK, TOLK, EGAK, E22K, D24K, BMAR, C23K, C23K, E25K, M29M, M29M, C24K, C24K, L29M, L29M, G27K, I28M, I28M, E27K, E27K, H29M, C27K, F28M, G29M, G30M, H31M, G31M, G31M, INK, INK, NVAR, PDAR, TXAR, BVAR, WRA, ASAR. Includes station names, coordinates, and various parameters.

SJA 16 19:47:45.4±1.0, 35.12S:71.06W, h100km±4km, ML3.8,
MV3.8
NEIC 16 19:47:46.3±1.0, 35.13S:0.05:71.15W±0.10, h105km, 8km,
mb4.2/2, Error ellipse: s-maj=11.6km s-min=7.0km
az=102.0

GUC 16 19:47:47.1±0.7, 35.08S:71.11W, h96km, 3km, ML4.0
IDC 16 19:47:48.6±3.5, 35.19S:70.84W, h112km, 35km, mb3.4/4,
mbtmp3.7/6, MS3.8/1, Error ellipse: s-maj=52.9km
s-min=23.1km az=74.0

ISC 16 19:47:46.5±0.7, 35.11S:0.003:71.08W±0.04, h97km, 5km,
n97, c117/131, mb4.0/7, 15C, Central Chile

Main table for SJA/NEIC/GUC/IDC/ISC section with columns: Code, Station Name, Az, Phase, ID, Time, Res. Lists stations like BO02, BO02, BO02, etc.

1062

Main table for 1062 section with columns: BO03, BO03, BO03, BO04, BO04, BO04, MT01, MT01, MT01, MT01, MT09, MT09, MT09, MT09, MT12, MT12, MT12, LMEL, LMEL, LMEL, LMEL, MT13, VA05, VA05, VA05, VA05, EDS3, BI02, BI02, BI02, MT15, MT15, MT15, MT03, MT03, MT03, MT03, MT05, MT05, MT05, MT05, MT16, MT14, MT14, MT14, MT02, MT02, MT02, MT02, MT04, MT04, MT04, MT04, MT08, MT08, MT08, MT08, MT10, MT10, MT10, FCH, FCH, FCH, PEL, PEL, PEL, PEL, VA01, VA01, VA01, VA01, VA01, VA01, BI05, VA03, VA03, VA03, VA03, CANA, CANA, CANA, CO04, CO04, RTLS, ZON, ZON, ZON, CO03, CO03, CO03, CO03, RTLL, RTLL, CO06, GO06, GO06, GO06, DOCA, DOCA, LRO3, LRO3, LRO3, LRO3, GO04, GO04, GO04, LRO5, CO01, PLCA, PLCA, PLCA, LL04, LL04, TROA, TROA, PB01, LPAZ. Includes station names, coordinates, and various parameters.

IDC 16 20:30:55.5:1.3, 37.09S:176.45E, h401km, 8km, mb3.2/4, mbtmp4.0/5, Error ellipse: s-maj=34.3km s-min=20.9km az=57.0

WEL 16 20:30:59.9:1.4, 37.5:12.177E, 1.2, h396km, 12km, M3.0/15, MLV3.0/15, Error ellipse: s-maj=18.1km s-min=12.5km az=47.4, confirmed

ISC 16 20:30:56.6:1.0, 37.145S:008.176E, 556.0:0.09, h423km, 8km, n49, r1935/69, mb3.5/4, North Island

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Lists various stations like OHinepanea, KUZ, KMRZ, TOZ, etc.

IDC 16 20:54:57.6:13.0, 14.04S:176.02W, h0km, mb3.6/3, mbtmp3.6/3, Error ellipse: s-maj=615.1km s-min=40.4km az=199.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Lists stations like WRA, ASAR, ILAR.

AUST 16 21:09:31.7:1.8, 24.5:11.3E, 1.5, h10km, mb4.0/3, ML3.4/4, Error ellipse: s-maj=33.5km s-min=7.1km az=102.5, Western Australia

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Lists stations like GIRL, MEEK, MORW, MBWA.

CUPWA 16 21:09:34.4:1.0, 34.44S:116.77E, h4km, 29km, Region: WESTERN AUSTRALIA

AUST 16 21:09:34.1:0.8, 34.3:11.7E, 1.5, h3km, 2km, ML1.5/4, Error ellipse: s-maj=7.1km s-min=4.4km az=44.0, Western Australia

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Lists stations like LM01, LM02, LM03, etc.

AUST 16 21:09:55.8:0.8, 34.3:11.7E, 1.5, h3km, 2km, ML1.3/4, Error ellipse: s-maj=7.4km s-min=4.4km az=45.7, Western Australia

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Lists stations like LM01, LM01.

Table with columns: LM04, LM04, LM03, LM03, RKGy, RKGy. Lists Lake Muir and Rocky Gully stations.

NEIC 16 21:14:01.1:9.1, 10.97S:0.08, 168.0E:0.1, h35km, 2km, mb4.8/24, Error ellipse: s-maj=20.8km s-min=12.7km az=108.0

IDC 16 21:14:17.7:3.3, 11.65S:166.45E, h85km, 28km, mb3.9/11, mbtmp4.2/14, MS3.4/6, Error ellipse: s-maj=22.1km s-min=19.6km az=88.0

NOU 16 21:14:21.1, 11.71S:166.25E, h56km, mb4.9/18, Santa Cruz Islands

ISC 16 21:14:15.4:0.7, 11.70S:0.07, 166.56E:0.08, h59km, n62, r1568/48, mb4.5/21, MS3.4/4, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Lists stations like LUES, LAK, HURO, etc.

CTA 16 21:14:21.1, 11.71S:166.25E, h56km, mb4.9/18, Santa Cruz Islands

CTA 16 21:14:21.1, 11.71S:166.25E, h56km, mb4.9/18, Santa Cruz Islands

CTA 16 21:14:21.1, 11.71S:166.25E, h56km, mb4.9/18, Santa Cruz Islands

CTA 16 21:14:21.1, 11.71S:166.25E, h56km, mb4.9/18, Santa Cruz Islands

CTA 16 21:14:21.1, 11.71S:166.25E, h56km, mb4.9/18, Santa Cruz Islands

CTA 16 21:14:21.1, 11.71S:166.25E, h56km, mb4.9/18, Santa Cruz Islands

CTA 16 21:14:21.1, 11.71S:166.25E, h56km, mb4.9/18, Santa Cruz Islands

CTA 16 21:14:21.1, 11.71S:166.25E, h56km, mb4.9/18, Santa Cruz Islands

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CTA 16 21:14:21.1, 11.71S:166.25E, h56km, mb4.9/18, Santa Cruz Islands

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CTA 16 21:14:21.1, 11.71S:166.25E, h56km, mb4.9/18, Santa Cruz Islands

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CTA 16 21:14:21.1, 11.71S:166.25E, h56km, mb4.9/18, Santa Cruz Islands

CTA 16 21:14:21.1, 11.71S:166.25E, h56km, mb4.9/18, Santa Cruz Islands

Table with columns: BVAR, Borovoye Array, 89.77 323, P, P, 21 26 22.5 -0.4

Table with columns: TORD, Torodi Arr, 150.81 288, PKPbc, PKPbc, 21 33 13.6 0.0

IDC 16 22:06:45.5:0.8, 3.69S:120.24E, h0km, mb3.7/10, mbtmp3.8/10, MS3.4/6, Error ellipse: s-maj=25.7km s-min=11.9km az=85.0

DJA 16 22:06:46.9:0.2, 4.5:2.12E, 1.0, h10km, M4.4/17, mb4.6/7, mb4.5/1, MLV4.3/17, Mw(mb3.7)/3.7/1

NEIC 16 22:06:50.9:1.6, 3.85S:0.03, 120.22E:0.09, h43km, 7km, mb4.5/11, Error ellipse: s-maj=13.6km s-min=3.5km az=79.0

ISC 16 22:06:50.0:0.6, 3.75S:0.04, 120.28E:0.05, h35km, n43, r1559/45, mb4.0/18, MS3.2/5, 1D, Sulawesi

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Lists various stations like SPSP, Tana Toraja, Kappang, etc.

IDC 16 22:12:49.4:1.8, 18.25S:177.88W, h587km, 13km, mb3.5/10, mbtmp4.4/11, Error ellipse: s-maj=29.7km s-min=18.7km az=120.0

NEIC 16 22:12:53.1:5.1, 18.25S:0.10, 178.4W:0.1, h586km, 7km, mb4.5/27, Error ellipse: s-maj=17.6km s-min=14.5km az=85.0

ISC 16 22:12:49.5:0.8, 18.1S:0.1:178.0W:0.1, h590km, n60, r1505/19, mb4.5/23, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Lists various stations like MSVF, Nonsavu, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like RAR, DZM, OUM, GRZ, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like PDAR, I23K, ILAR, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like IXC, MOY, SAB, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries like FITZ Fitzroy Crossi, NWAO Narrogin (SRO), VNSA Vanda, ASAJ Asahikawa, etc.

ICD 17:00:50.40:6.2,3,5,43S,145,19E,h0km,mb3.2/2, mbtmp3.5/4,ML3.0/2,MS3.1/1,Error ellipse: s-maj=60.0km s-min=31.0km az=82.0,Eastern New Guinea region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries like PMG Port Moresby, WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array.

TAP 17:00:51:15.7,24,78N,122,45E,h15km,1km,ML2.8,C JMA 17:00:51:16,1,0,2,25,NL,2,122,55E,0.4,h11km,tkm, MV2.2/10,NW OFF SHIGAKIJIMA IS

ISC 17:00:51:15.5:1.8,24,76N,107,122,49E,0.04, h114km,11km,n54,c05674,Taiwan region

Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries like E0S2 E0S2, E0S3 E0S3, TWB1 Santiaio Chiao, YOJ Yonaguni jima, etc.

NEIC 17:01:04:03.3:1.4,61,39N,0,03,150W,0.04,h4tkm,5km, Error ellipse: s-maj=5.1km s-min=2.3km az=158.0

AEIC 17:01:04:04.0:1.6,61,37N,0,03,150W,0.05,h36km,8km, ML2.6,ML2.5/99(NEIC),Error ellipse: s-maj=5.1km s-min=3.7km az=168.0,Southern Alaska

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries like FIS Fire Island, RC01 Rabbit Creek A.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries like SUA Susitna One, M2K2 Willow, PMR Palmer, GHO Glory Hole Cre, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries like PWL Port Wells, GLI Glacier Island, M2K0 Styx River, BRLL Bradley Lake, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries like M24K Tolsona, Glenn, KLU Klutina, HLU Hinchinbrook, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries like CAST Castle Rocks, P19K Oil Pt, P19K Big Mountain, L19K White Mountain, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries like SVW2 Sparrevohn, K20K Telida, BPAW Bear Paw Mtn, N18K Kilauea Creek, etc.

BGR 17:01:08:06.2,35,91N,71,70E,h225km,mb5.2 MOS 17:01:08:09.4,0.9,36,52N,71,31E,h222km,mb4.9/52, Error ellipse: s-maj=4.4km s-min=3.0km az=98.6

Azm131.0000°: nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ICD 17:01:08:12.1,0.5,36,46N,71,25E,h240km,5km,mb4.4/32, mbtmp5.0/36 Error ellipse: s-maj=7.7km s-min=6.7km az=4.0

ISC 17:01:08:10.6:0.3,36,49N,0,03:71,27E,0,03,h223km,3km, h223km:pp-P,PN1120,r1524/1155,mb4.9/261,95C-42D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries like GAR Garm, KBL Kabul, CHGR Chuyangaron, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries like AML Alamyashu, MNAS Manas, UCH Uchter, DZA Taraz, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries like BHK Bhakra, BHK BHK, BHK BHK, KK31 Karatay Array, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries like SRGN Sri Ganga Naga, SRGN Sri Ganga, ULHL Ulahor, CHMS Chumysh, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries like TARG Taragay, KYRGY Taragay, DGS Degeres, HRA Herat, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries like KNDK Almaty, KRZ Kotrybulak, PRZ Przewals'k, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like KLMR, GYA, BORA, SLVN, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like RNPFS, KARP, BURAR, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like MPLH, GKP, MODS, etc.

17d 1h

Table with columns: Station, Name, Frequency, Power, and other technical details. Includes stations like HFS Hagfors, BIOA Bad Ischl, TRO Troso, etc.

2018 DEC

Table with columns: Station, Name, Frequency, Power, and other technical details. Includes stations like KASTN Kahler Asten, TNS Taunus Mts, TUE Stuetta, etc.

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Table with columns: Station, Name, Frequency, Power, and other technical details. Includes stations like CART Cartagena, ESBB Sonseca Array, ESDC Sonseca Array, etc.

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Table with columns for station ID, name, elevation, date, time, and other parameters. Includes stations like E18K Tukpahlearik C, D20K Etivluk River, C21K Knifeflade Rid, etc.

Table with columns for station ID, name, elevation, date, time, and other parameters. Includes stations like INK Inuvik, L16K Owhat River, L17K Donlin, etc.

Table with columns for station ID, name, elevation, date, time, and other parameters. Includes stations like M23K Glacier View, Q16K King Salmon, SCM Sheep Creek Mo, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Antenna, Location, Date, and Time. Includes stations like Rabbit Creek A, Palmer, and many others.

Table with columns: Call Sign, Station Name, Frequency, Power, Antenna, Location, Date, and Time. Includes stations like IILSW, M24K, P23K, and many others.

Table with columns: Call Sign, Station Name, Frequency, Power, Antenna, Location, Date, and Time. Includes stations like N17K, MCARA, J19K, and many others.

17d 2h

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like 1N15K Kwethluk River, 126K Coal Creek Min, 126K comp=N,343nm,0.7s, 126K Coal Creek Min, etc.

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Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like J30M Hart River, H29M Whitestone, G15K Niukuk, etc.

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Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like YKA YKA, BILL Bilibino, NLWA Neillon Lookou, etc.

Table with columns: call sign, name, frequency, power, polarization, and other parameters. Rows include stations like 725A Trinidad, PIX Pinacate, TUC Tucson, etc.

Table with columns: call sign, name, frequency, power, polarization, and other parameters. Rows include stations like KURK Kurchatov, KURBB Kurchatov, KURBB Kurchatov, etc.

Table with columns: call sign, name, frequency, power, polarization, and other parameters. Rows include stations like KBZ Khabaz, MAK Makhachkala, MAK Makhachkala, etc.

17d 2h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details. Includes stations like Chusmiza, Yavi, IPOC Station P, etc.

2018 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details. Includes stations like Nonsavu, WAKE ISLAND Hy, WAKE ISLAND Hy, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details. Includes stations like Clear Creek Bu, Nushagak Hills, Hoitina River, etc.

Table with columns: Code, Station Name, Azimuth (Az), Phase ID, Time (h m s), and Res (ISC). Rows include stations like TWC Suanglung, SSSLB Suanglung, LATG Datong, etc.

Table with columns: Code, Station Name, Azimuth (Az), Phase ID, Time (h m s), and Res (ISC). Rows include stations like LAY Lan-yu, SCLT Jiali, HATJ Hateru, etc.

Table with columns: Code, Station Name, Azimuth (Az), Phase ID, Time (h m s), and Res (ISC). Rows include stations like h-0km,1km, ML3.6/312, ML3.3/18(REN), etc.

NEIC 17 02:30:00.4 ± 1.1, 17.6S, 0.2x178.1W, 0.1, h575km, 12km, mb4.3/23, Error ellipse: s-maj=26.2km s-min=15.6km az=148.0

IDC 17 02:30:03.2 ± 0.1, 17.33S, 178.58W, h582km, 20km, mb3.2/5, mbmp4.2/7, Error ellipse: s-maj=101.0km s-min=16.9km az=152.0

ISC 17 02:30:02.7 ± 0.7, 17.8S, 0.2x178.23W, 0.10, h600km, n37, ±1530.9s, mb4.3/18, Fiji Islands region

Table with columns: Code, Station Name, Azimuth (Az), Phase ID, Time (h m s), and Res (ISC). Rows include stations like MSVF Nonsavu, AFI Afifanau, NIUE Niue, etc.

Table with columns: Code, Station Name, Azimuth (Az), Phase ID, Time (h m s), and Res (ISC). Rows include stations like HEH Hector, LUD Ludlow, CWSM Cottonwood Cre, etc.

REN 17 02:52:01.7 ± 1.8, 35.949N, 0.010:116.74W, 0.01, h8km, 8km, Error ellipse: s-maj=1.5km s-min=1.2km az=164.0

PAS 17 02:52:01.7 ± 1.5, 35.957N, 0.008:116.73W, 0.01, h8km, 8km, Error ellipse: s-maj=1.5km s-min=1.2km az=164.0

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, COEN, IAMB, IAMB, 06 58 03.1

IDC 17 06:30:29.7:3.3, 54.25N:87.45E, h0km, mbtmp2.8/2, ML2.5/2, Error ellipse: s-maj=28.7km s-min=20.3km az=42.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, COEN, IAMB, IAMB, 06 59 15.6 -0.6

NOU 17 06:42:05.7, 16.38S:168.45E, h5km, MLV4.5/13, Vanuatu Islands, Vanuatu Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, COEN, IAMB, IAMB, 07 02 47.4 +0.8

NNC 17 06:44:57.9:1.5, 53.75N:88.30E, h0km, mb3.2, mpv2.9, Error ellipse: s-maj=11.1km s-min=7.1km az=67.0, Suspected Mining explosion

IDC 17 06:45:00.1:3.0, 53.73N:88.12E, h0km, mbtmp3.1/2, ML2.6/2, Error ellipse: s-maj=25.0km s-min=16.9km az=63.0

ISC 17 06:44:59.4:0.0, 53.7N:0.1:88.2E:0.2, h0km, n8, e1803/12, 3C-3D, Southwestern Siberia

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, COEN, IAMB, IAMB, 07 04 25.2 +0.2

IDC 17 06:52:38.3:0.7, 16.49S:168.35E, h0km, mb4.4/13, mbtmp4.4/15, ML5.0/1, MS4.2/1, Error ellipse: s-maj=20.2km s-min=16.7km az=126.0

NOU 17 06:52:38.9, 16.33S:168.31E, h8km, MLV4.8/20, Vanuatu Islands

NEIC 17 06:52:40.7:1.1, 16.54S:0.0:168.35E:0.0, h10km, 1km, mb4.7/56, Error ellipse: s-maj=17.1km s-min=9.5km

ISC 17 06:52:40.5:0.4, 16.46S:0.0:168.28E:0.0, h10km, n106, e1827/108, mb4.7/45, 1C-1D, Vanuatu Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, COEN, IAMB, IAMB, 07 05 29.4 +0.4

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, COEN, IAMB, IAMB, 07 05 50.2 -0.7

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, COEN, IAMB, IAMB, 06 58 03.1

IDC 17 06:53:49.8:2.6, 0.49S: 135.89E, h0km, mb3.7/4, mbtmp3.7/5, ML3.5/1, Error ellipse: s-maj=105.7km s-min=22.5km az=83.0

DJA 17 06:53:52.6:1.2, 0.5:6:13.6E, h26km, 10km, M4.1/7, mb4.1/1, MLV4.2/7

ISC 17 06:53:53.9:1.1, 0.5:7S:0.0:9:135.50E:0.05, h26km, n11, e1504/15, mb3.8/3, Irian Jaya region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, COEN, IAMB, IAMB, 07 02 47.4 +0.8

MDD 17 07:04:19.2:0.5, 36.61N:3.58W, h5km, 4km, mb_Lg2.5/10, Error ellipse: s-maj=3.4km s-min=2.8km az=22.0

SFS 17 07:04:19.8, 36.61N:3.58W, h0km, ML2.5/7, ML2.6/7, MLV2.5/7

INMG 17 07:04:20.0:1.3, 36.62N:3.55W, h6km, 4km, ML1.9, Error ellipse: s-maj=3.7km s-min=2.8km az=66.0

IGIL 17 07:04:20.9, 36.61N:3.58W, h10km, ML1.4, CNRM 17 07:04:23.6, 36.25N:3.27W, h0km, ML1.9

ISC 17 07:04:18.7:1.0, 36.62N:0.0:2:3.56W:0.03, h16km, 9km, n38, e130/61, 1D, Strait of Gibraltar

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, COEN, IAMB, IAMB, 07 04 06.9 +1.8

ISC 17 07:04:27.9:2.4, 53.95N:86.45E, h0km, mbtmp3.0/2, ML2.9/2, Error ellipse: s-maj=19.5km s-min=12.2km az=59.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, COEN, IAMB, IAMB, 07 05 29.4 +0.4

IDC 17 07:04:27.9:2.4, 53.95N:86.45E, h0km, mbtmp3.0/2, ML2.9/2, Error ellipse: s-maj=19.5km s-min=12.2km az=59.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, COEN, IAMB, IAMB, 07 05 29.4 +0.4

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, COEN, IAMB, IAMB, 06 58 03.1

IDC 17 07:04:27.9:2.4, 53.95N:86.45E, h0km, mbtmp3.0/2, ML2.9/2, Error ellipse: s-maj=19.5km s-min=12.2km az=59.0, Southwestern Siberia

IDC 17 07:04:27.9:2.4, 53.95N:86.45E, h0km, mbtmp3.0/2, ML2.9/2, Error ellipse: s-maj=19.5km s-min=12.2km az=59.0, Southwestern Siberia

IDC 17 07:04:27.9:2.4, 53.95N:86.45E, h0km, mbtmp3.0/2, ML2.9/2, Error ellipse: s-maj=19.5km s-min=12.2km az=59.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, COEN, IAMB, IAMB, 06 58 03.1

IDC 17 07:04:27.9:2.4, 53.95N:86.45E, h0km, mbtmp3.0/2, ML2.9/2, Error ellipse: s-maj=19.5km s-min=12.2km az=59.0, Southwestern Siberia

IDC 17 07:04:27.9:2.4, 53.95N:86.45E, h0km, mbtmp3.0/2, ML2.9/2, Error ellipse: s-maj=19.5km s-min=12.2km az=59.0, Southwestern Siberia

IDC 17 07:04:27.9:2.4, 53.95N:86.45E, h0km, mbtmp3.0/2, ML2.9/2, Error ellipse: s-maj=19.5km s-min=12.2km az=59.0, Southwestern Siberia

IDC 17 07:04:27.9:2.4, 53.95N:86.45E, h0km, mbtmp3.0/2, ML2.9/2, Error ellipse: s-maj=19.5km s-min=12.2km az=59.0, Southwestern Siberia

IDC 17 07:04:27.9:2.4, 53.95N:86.45E, h0km, mbtmp3.0/2, ML2.9/2, Error ellipse: s-maj=19.5km s-min=12.2km az=59.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, COEN, IAMB, IAMB, 06 58 03.1

IDC 17 07:04:27.9:2.4, 53.95N:86.45E, h0km, mbtmp3.0/2, ML2.9/2, Error ellipse: s-maj=19.5km s-min=12.2km az=59.0, Southwestern Siberia

IDC 17 07:04:27.9:2.4, 53.95N:86.45E, h0km, mbtmp3.0/2, ML2.9/2, Error ellipse: s-maj=19.5km s-min=12.2km az=59.0, Southwestern Siberia

IDC 17 07:04:27.9:2.4, 53.95N:86.45E, h0km, mbtmp3.0/2, ML2.9/2, Error ellipse: s-maj=19.5km s-min=12.2km az=59.0, Southwestern Siberia

IDC 17 07:04:27.9:2.4, 53.95N:86.45E, h0km, mbtmp3.0/2, ML2.9/2, Error ellipse: s-maj=19.5km s-min=12.2km az=59.0, Southwestern Siberia

IDC 17 07:04:27.9:2.4, 53.95N:86.45E, h0km, mbtmp3.0/2, ML2.9/2, Error ellipse: s-maj=19.5km s-min=12.2km az=59.0, Southwestern Siberia

IDC 17 07:04:27.9:2.4, 53.95N:86.45E, h0km, mbtmp3.0/2, ML2.9/2, Error ellipse: s-maj=19.5km s-min=12.2km az=59.0, Southwestern Siberia

IDC 17 07:04:27.9:2.4, 53.95N:86.45E, h0km, mbtmp3.0/2, ML2.9/2, Error ellipse: s-maj=19.5km s-min=12.2km az=59.0, Southwestern Siberia

IDC 17 07:04:27.9:2.4, 53.95N:86.45E, h0km, mbtmp3.0/2, ML2.9/2, Error ellipse: s-maj=19.5km s-min=12.2km az=59.0, Southwestern Siberia

IDC 17 07:04:27.9:2.4, 53.95N:86.45E, h0km, mbtmp3.0/2, ML2.9/2, Error ellipse: s-maj=19.5km s-min=12.2km az=59.0, Southwestern Siberia

IDC 17 07:04:27.9:2.4, 53.95N:86.45E, h0km, mbtmp3.0/2, ML2.9/2, Error ellipse: s-maj=19.5km s-min=12.2km az=59.0, Southwestern Siberia

IDC 17 07:04:27.9:2.4, 53.95N:86.45E, h0km, mbtmp3.0/2, ML2.9/2, Error ellipse: s-maj=19.5km s-min=12.2km az=59.0, Southwestern Siberia

IDC 17 07:04:27.9:2.4, 53.95N:86.45E, h0km, mbtmp3.0/2, ML2.9/2, Error ellipse: s-maj=19.5km s-min=12.2km az=59.0, Southwestern Siberia

IDC 17 07:04:27.9:2.4, 53.95N:86.45E, h0km, mbtmp3.0/2, ML2.9/2, Error ellipse: s-maj=19.5km s-min=12.2km az=59.0, Southwestern Siberia

IDC 17 07:04:27.9:2.4, 53.95N:86.45E, h0km, mbtmp3.0/2, ML2.9/2, Error ellipse: s-maj=19.5km s-min=12.2km az=59.0, Southwestern Siberia

IDC 17 07:04:27.9:2.4, 53.95N:86.45E, h0km, mbtmp3.0/2, ML2.9/2, Error ellipse: s-maj=19.5km s-min=12.2km az=59.0, Southwestern Siberia

IDC 17 07:04:27.9:2.4, 53.95N:86.45E, h0km, mbtmp3.0/2, ML2.9/2, Error ellipse: s-maj=19.5km s-min=12.2km az=59.0, Southwestern Siberia

IDC 17 07:04:27.9:2.4, 53.95N:86.45E, h0km, mbtmp3.0/2, ML2.9/2, Error ellipse: s-maj=19.5km s-min=12.2km az=59.0, Southwestern Siberia

IDC 17 07:04:27.9:2.4, 53.95N:86.45E, h0km, mbtmp3.0/2, ML2.9/2, Error ellipse: s-maj=19.5km s-min=12.2km az=59.0, Southwestern Siberia

IDC 17 07:04:27.9:2.4, 53.95N:86.45E, h0km, mbtmp3.0/2, ML2.9/2, Error ellipse: s-maj=19.5km s-min=12.2km az=59.0, Southwestern Siberia

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Table with columns: BRG, Berggiesshubel, 44.70 313, eP, P, 07 20 53.5 +1.2, 07 20 54.5, etc.

2018 DEC

Table with columns: PCAS, comp=Z,101nm,1.7s, 61.41 31f, eP, P, 07 23 11.9, etc.

17d 7h

Table with columns: MSVF, Nonasvu, 9.60 99, Pn, Pn, 07 18 34.1 +2.3, etc.

17d 7h

Table with columns: IARV, Station Name, Time, Res, etc. Includes stations like Mina Array Bea, Mina Array Sit, Eielson Array, etc.

IDC 17 07:25:26.6:4.2, 22.43S:69.15E, h0km, mb3.8/7, mbtmp3.8/7, Error ellipse: s-maj=129.2km s-min=31.1km az=54.0

ISC 17 07:25:28.5:4.3, 22.4S:05.69:2E:0.7, h10km, n13, o=4477, mb3.8/7, Mid-Indian Ridge

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like Diego Garcia H, Diego Garcia H, etc.

IDC 17 07:26:31.8:1.0, 51.72N:75.47E, h0km, mbtmp2.7/4, ML2.1/4, Error ellipse: s-maj=27.1km s-min=7.8km az=30.0

NNC 17 07:26:33.9:1.7, 51.95N:76.01E, h0km, mb3.3, mpv2.9, Error ellipse: s-maj=64.6km s-min=6.6km az=29.0, Suspected Mining explosion.

ISC 17 07:26:30.6:0.9, 51.66N:08.75:48E:0.05, h0km, n9, o=1521/15, 4C-3D, Eastern Kazakhstan

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like Kurchatov Arra, Kurchatov Arra, etc.

IDC 17 07:26:57.0:2.0, 29.98N:67.59E, h0km, mb3.8/10, mbtmp3.9/12, ML3.7/2, MS3.7/1, Error ellipse: s-maj=50.6km s-min=21.1km az=136.0

ISC 17 07:27:00.1:0.7, 30.04N:0.06:67.61E:0.06, h17km, n24, o=265/30, mb3.8/9, Pakistan

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like Jaisalmer, Jaisalmer, etc.

2018 DEC

Table with columns: JMU, Station Name, Time, Res, etc. Includes stations like Almet, Thein Dam, etc.

NEIC 17 07:29:16.8:0.9, 17.9N:02.68:4W:0.1, h120km, 14km, ML2.5/18, Md2.9/19(RSPR), Error ellipse: s-maj=34.6km s-min=12.2km az=199.0

SDD 17 07:29:17.9:2.2, 18.13N:68.43W, h131km, 17km, MD3.6, ML2.6, MW2.9

OSPL 17 07:29:18.7:0.9, 18.05N:68.38W, h123km, 9km, ML2.7

ISC 17 07:29:16.1:1.7, 18.1N:0.1:68.41W:0.04, h129km, 14km, n29, o=89/48, Mona Passage

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like Punta Cana, Punta Cana, etc.

1086

Table with columns: OBIP, Station Name, Time, Res, etc. Includes stations like Cerrillos, Cerrillos, etc.

IDC 17 07:30:53.1:0.9, 22.39S:69.22E, h0km, mb3.9/10, mbtmp3.9/10, MS3.8/2, Error ellipse: s-maj=26.6km s-min=23.8km az=55.0

ISC 17 07:30:54.8:0.8, 22.4S:02.69:2E:0.2, h10km, n17, o=971/10, mb4.0/10, Mid-Indian Ridge

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like Diego Garcia H, Diego Garcia H, etc.

IDC 17 07:34:43.0:1.6, 2.71S:138.97E, h0km, mb3.1/2, mbtmp3.2/3, ML3.1/1, Error ellipse: s-maj=33.6km s-min=24.3km az=158.0, Irian Jaya

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like Jayapura, Warramunga Arr, etc.

IDC 17 07:38:44.1:0.9, 22.11S:169.54E, h0km, mb4.1/10, mbtmp4.1/11, ML3.5/1, MS3.3/5, Error ellipse: s-maj=29.7km s-min=21.8km az=171.0

NOU 17 07:38:44.0:1.2, 19.9S:169.53E, h0km, MLv4.1/7, Southeast of Loyalty Islands

ISC 17 07:38:48.3:0.8, 22.0S:01.1:169.42E:0.09, h25km, n26, o=1517/25, mb4.1/12, 4C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like Mare, Loyalty, Mare, Loyalty, etc.

17d 8h

Table of satellite data for 17d 8h, listing stations like SIGR, ULCL, GADA, PLNA, etc., with their coordinates and status.

2018 DEC

Table of satellite data for 2018 DEC, listing stations like HFS, FINES, NB2, NOA, EKA, etc., with their coordinates and status.

1088

Table of satellite data for 1088, listing stations like WRA, WRA, ASO1, AS31, ASAR, etc., with their coordinates and status.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes entries for Timber Creek, Wolf Creek, Bradley Lake, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes entries for SNAIA Sanae, PDAR Pinedale Array, TXAR Lajitas Array, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes entries for DJR JarKent, MK31 Makanchi Array, MAKZ Makanchi, etc.

1091

Table with columns for station call letters, frequency, and other technical details. Includes stations like AK10 Malin Array Si, AK08 Malin Array Si, etc.

2018 DEC

Table with columns for station call letters, frequency, and other technical details. Includes stations like MNK Minsk, MNK Minsk, etc.

17d 10h

Table with columns for station call letters, frequency, and other technical details. Includes stations like KHC Kasperske Hory, KHC Kasperske Hory, etc.

17d 10h

Table with columns for call sign, location, frequency, power, and status. Includes stations like PZH, HHC, CMAR, XAN, TORD, BJI, etc.

2018 DEC

Table with columns for call sign, location, frequency, power, and status. Includes stations like E27K, INK, F24K, F24K, G16K, etc.

1092

Table with columns for call sign, location, frequency, power, and status. Includes stations like M11K, L17K, SCRR, K24K, K27K, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes station data for Santa Rosalia and Guaymas.

MOS 17 11:14:20.3, 0.9, 4.80S, 152.26E, h41km, mb5.6/46, MS4.6/4, Error ellipse: s-maj=8.2km s-min=5.1km az=116.1.

NEIC 17 11:14:23.7, 1.8, 5.03S, 0.06x152.34E, 0.07, h59km, 3km, mb5.7/124, Mmw5.3/21, Error ellipse: s-maj=9.6km s-min=8.6km az=96.0.

NEIC 17 11:14:23.7, 5.03S, 152.35E, h60km Moment Tensor Solution. Duration: 2x2 Moment tensor: Scale 10^17Nm; Mn=0.78; Mw=0.77; Mo=0.52; Mo=0.95; Mo=0.13.

BUJ 17 11:14:23.0, 4.74S, 152.83E, h86km, mb5.5/81, mb5.3/36, Ms4.8/47, Ms7.4/650.

IDC 17 11:14:24.1, 1.4, 9.8S, 152.29E, h71km, 9km, mb4.9/29, mb1mp5.3/33, MS4.2/50, Error ellipse: s-maj=10.7km s-min=7.8km az=108.0.

GCMT 17 11:14:24.7, 0.1, 5.15S, 0.01x152.26E, 0.01, h67km, 1km, MW5.3/122, Moment Tensor Solution, s108.c170, s122.c221, Duration: 1x1 Moment tensor: Scale 10^17 Nm; Mn=0.342; Mw=0.28; Mo=0.671; Mo=0.2.

DJA 17 11:14:25.1, 0.3, 5.3S, 151.15E, h82km, 3km, M5.6/81, mb5.7/81, mb6.0/45, Mw5.4/11, Mw(m)5.6/45.

ISC 17 11:14:23.6, 0.3, 5.02S, 0.03x152.34E, 0.04, h66km, 2km, h66km; p-P, n969, e1918/1008, mb5.6/184, 23C-26D, New Britain region.

Main table of station data for stations in the 17d 11h region, including Rabaul, Manus Island, Port Moresby, etc.

Main table of station data for stations in the 2018 DEC region, including Warramunga Arr, Tennant Creek, etc.

Main table of station data for stations in the 1094 region, including JOW, OMRZ, INAZ, etc.

17d 11h

Table with 5 columns: ID, Name, Time, Error, Status. Rows include MOY Mondy, CHNA Chernabura Isl, CHNA Chernabura Isl, CCD Concordia, Ant, PALK Pallekele, VVDA Vanda, M11K Mekoryuk, CHGN Chignik, CHGN Chignik, BILL Biilbino, GAMB Gambell, O14K Tigykauivet M, M13K Dall Lake, CHIR Chirikof Islan, N14K Kuskokwak Cree, R16K Pilot Point, O15K Ungalikthiuk R, K13K Kusivvak Mount, M14K Bethel, L14K Kuka Creek, R17L Mt. Peulik Vol, PLK4 Peulik 4, N15K Kwethluk River, P16K Nushagak River, M15K Kasigluk River, SII Sitkinak Islan, SII Sitkinak Islan, O16K Kokwok River B, Q16K King Salmon, L15K Ungalik Mouta, J14K Nanvaranak Lak, N16K Nishilik Lake, WMQ Urumqi, WMQ Urumqi, WMQ Urumqi, ACHA Angle Creek He, R18K Karluk, P17K Kvichak River, K15K Wolf Creek Mou, O17K Koliganek Bris, M16K Timberline, OHAK Old Harbor, OHAK Old Harbor, OHAK Old Harbor, Q18K Katmai Hardscr, L16K Owhai River, ANM Nome, TNA Tin City, HYB Hyderabad, N17K Nushagak Hills, N17K Nushagak Hills, P18K Big Mountain, P18K Big Mountain, F14K Arctic Creek, KDAK Kodiak Island, KDAK Kodiak Island, KDAK Kodiak Island, O18K Koktuh Hills, M17K Hollina River, Q19K Cape Douglas, J16K Anvik River, L17K Donlin, G15K Niukluk, N18K Kliaae Creek, Q20K Shuyak Island, I17K Unialikeet, H16K Elim, F15K North Star Dit, K17K Iditarod, O19K Port Alsworth, O19K Port Alsworth, SVW2 Sparrevohn, SVW2 Sparrevohn, P19K Oil Pt, J17K VABM Dome

2018 DEC

Table with 5 columns: ID, Name, Time, Error, Status. Rows include M18K Stony River, L18K Granite Mouta, N19K Bonanza Creek, G16K Koyuk River, O20K Slope Mountain, DGZ Jazzatar, HOM Homer, TIXI Tiksi, TIXI Tiksi, TIXI Tiksi, H17K Granite Mouta, L19K White Mountain, G17K Kwik Mouta, J18K Innoko River, BRSE Bradley Lake S, SPCR Spurr Chakaska, M20K Styx River, F17K Baldwin Pennin, L20K Farewell, AK, H18K Hoenosa River, ZSN Zaisan, ZSN Zaisan, CAPN Captain Cook N, C16K Lisburne Hills, J19K Poorman, GCSA Galea City Se, D17K Noatak River, G18K Tagagawik, K20K Telida, SEW Seward, F18K Selawik, O22K Cooper Landing, SKT Skwentna, RDOG Red Dog Mine, SUA Susina One, E18K Tukpahlearik C, C17K DeLong Mountai, PPLA Purkeypila, J20K Nowinta River, RC01 Rabbit Creek A, H19K Roundabout Mou, G19K Purcell Mouta, G19K Purcell Mouta, M22K Willow, M22K Willow, I20K Naaghedeneel, CAST Castle Rocks, F19K Shalercucki Mo, P23K Montaga Islan, CUK Chulitna, PWL Port Wells, CHUM Lake Minchumini, PMR Palmer, PMR Palmer, PMR Palmer, H20K Anotleneega Mo, C18K Utukok River, MK31 Makanchi Array, MK31 Makanchi Array, MKAR Makanchi Array, Q23K Middleton Isla, KNK Knik Glacier, MAKZ Makanchi, MAKZ Makanchi, SML Sawmill, B18K Kokolik River, E19K Redstone River, E19K Redstone River, TRF Thorofare Moun, GLI Glacier Island, BPAW Bear Paw Mtn., F20K Avaracit Lake, M23K Glacier View, H21K Melozitna Rive, I21K Tanana, C19K Lookout Ridge, WAT1 Susitna Watana, D19K Kuna River, SCM Sheep Creek Mo, EYAK Cordova Ski Ar, EYAK Cordova Ski Ar

1096

Table with 5 columns: ID, Name, Time, Error, Status. Rows include SHLS Shalkode, SHLS Shalkode, ZAAO Zalesovo Array, ZALV Zalesovo Beam, ZALV Zalesovo Beam, PDGK Podgornoye, G21K Allakak, WAT6 Susitna Watana, MCK McKinley, A19K Wainwright, KAIM Kayak Island, KLU Klutina, UZB Uzynbulak, UZB Uzynbulak, H22K Ishtalitina Cre, DHY Denali Highway, F1YK Altna River, M24K Tolsona, Glenn, NEA2 Nenana, KPKS Kokpek, KPKS Kokpek, BMRM Bremner River, SATY Saty, SATY Saty, ZHN Zhinshike, ZHN Zhinshike, I23K Minto, Yukon-C, N25K Chitina, Valde, N25K Chitina, Valde, G22K Bettles, HARP HAARP, B20K Meade River, B20K Meade River, COLA College, COLA College, COLA College, PAX Paxson, ANYS Anan'yovo, CRVC Cirque, TDK Taldyqorghan, TDK Taldyqorghan, C21K Knifeblade Rid, HDA Harding Lake, G23K Banaza Creek, ARXS Arharly, POKR Poker Plat Res, K24K Donnelly Dome, IL31 Eielson Array, ILAR Eielson Array, ILAR Eielson Array, MCARA McCarthy VSAT, E22K Anaktuvuk Pass, COLD Coldfoot, H24K Noodor Dome, KSH Kashi, MDOK Medeo, MDOK Medeo, TNSX Tian-Shan, TNSX Tian-Shan, RIDG Independent Ri, AAA Alma-Ata, AAA Alma-Ata, G24K Chushkaly, CHKK Chushkaly, CHKK Chushkaly, M26K Nabesana, AK, J25K McCarthy VSAT, J25K Salcha River, L26K Log Cabin Wild, NRN Naryn, NRN Naryn, NRN Naryn, A21K Barrow, ULHL Ulahol, CTG Chitna Glacier, E23K Chandalar, G24K Hadweeznic Ri, SCRK Sar Creek, PINM Pinnacle, A22K Sinclair Lake, B22K Teshekpuke Lak, PRP Porcupine Dome, D23K Nanushuk River, M27K Edge Creek, AK, F24K Squaw Lake, TOLK Toolik Lake Re

Table with columns for station ID, name, frequency, time, and other details. Includes stations like O28M, E24K, KURK, J26L, etc.

Table with columns for station ID, name, frequency, time, and other details. Includes stations like K29M, T33K, C27K, E27K, etc.

Table with columns for station ID, name, frequency, time, and other details. Includes stations like PDAR, RLMT, KIRV, S22A, etc.

Table with columns: JTS, Station Name, Azimuth, Elevation, Frequency, and other technical details for various stations.

Table with columns: PBDV, PTEO, TAM, TAM, MORF, PFVI, FRFB, SALV, C25B, ROSA, CA, PICO, PDRB, ITRB, BOAV, BOAV, PSET, BART, CMLA, CLDB, PSIM, ARAG, NPGV, TORO, TORO, PMPT, ITTB, IMTO, PMAR, SNDB, BDFB, SMTB, DBIC, DBIC. Station Name, Azimuth, Elevation, Frequency, and other technical details.

Table with columns: PGC 17 11:14:44.7, 0.9, 48.53N, 127.74W, h10km, Mln, S2.9/28, Mw3.6/28, Mw3.6/28, 150km Wsw of Tofino, Bc. Station Name, Azimuth, Elevation, Frequency, and other technical details.

Table with columns: JMA 17 11:21:34.2, 0.3, 17.82S, 176.34W, h0km, mb3.8/4, mw3.8/5, ML4.7/1, MS4.1/7, Error ellipse: s-maj=125.9km s-min=34.5km az=148.0, Fiji Islands. Station Name, Azimuth, Elevation, Frequency, and other technical details.

Table with columns: UCC 17 11:31:16.0, 1.4, 50.64N, 3.49E, h10km, 4km, ML1.6, 1C-17D, Mining explosion, Belgium. Station Name, Azimuth, Elevation, Frequency, and other technical details.

Table with columns: IDC 17 11:38:35.0, 1.3, 2.45N, 126.54E, h0km, mb3.5/7, mbmp3.6/7, Error ellipse: s-maj=107.8km s-min=17.4km az=71.0, DJA 17 11:38:44.1, 0.3, 3.0N, 2.12E, h29km, 10km, M4.2/13, mb4.5/3, mb4.9/2, ML2.4/0.13, Mw(mB)4.2/2, ISC 17 11:38:41.6, 1.0, 2.70N, 0.07, 127.2E, 0.1, h53km, n13, r150/15, mb3.7/5, Northern Molucca Sea. Station Name, Azimuth, Elevation, Frequency, and other technical details.

Table with columns: ISN 17 11:44:43.0, 5.3, 34.24N, 45.58E, h12km, 11km, ML3.0, TEH 17 11:44:44.2, 34.24N, 45.57E, h8km, 65km, ML2.7, ISC 17 11:44:44.7, 1.0, 34.25N, 0.03, 45.58E, 0.04, h10km, n12, r077/16, Iran-Iraq border region. Station Name, Azimuth, Elevation, Frequency, and other technical details.

Table with columns: IDC 17 11:47:39.6, 5.5, 4.89S, 152.32E, h58km, 50km, mb3.7/11, mbmp4.0/12, ML2.7/1, MS3.2/1, Error ellipse: s-maj=39.0km s-min=29.0km az=130.0, NEIC 17 11:47:40.9, 1.3, 5.04S, 0.09, 152.5E, 0.2, h64km, 9km, mb4.6/31, Error ellipse: s-maj=25.2km s-min=12.4km az=100.0, ISC 17 11:47:39.2, 0.9, 5.15S, 0.1, 152.5E, 0.2, h55km, n42, r126/37, mb4.5/28, New Britain region. Station Name, Azimuth, Elevation, Frequency, and other technical details.

Table with columns: RABL Rabaul, Port Moresby, PMG 45m, 0.7s, baz=129, slow=15, SNR=8.0, DZM Mont Dzumac, MTN Mantion Dam, WB0 Warramunga Arr, WRAB Tennant Creek, WB2 Warramunga Arr, WRA Warramunga Arr, KNRA Kununurra, AS31 Alice Springs, ASAR Alice Springs, FITZ Fitzroy Crossi, CMAR Chiang Mai Arr, SONM Songino Array, G19K Purcell Mountain, G91K Port Moresby, F19K Shalericuk Mo, MK31 Makanchi Arr, MKAR Makanchi Arr, E19K Redstone River, F20K Avarant Lake, ZALV Zalesovo Beam, I23K Minto, Yukon-K, B20K Meade River, COLA College. Station Name, Azimuth, Elevation, Frequency, and other technical details.

17d 14h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, MKAR Makanchi Array, ZALV Zalesovo Beam, etc.

IDC 17 13:03:17.0-4.3, 11.53Sx162.76E, h0km, mb3.6/3, mbtmp3.7/4, ML4.2/1, Error ellipse: s-maj=83.0km s-min=48.3km az=96.0, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 17 13:12:04.4-2.9, 5.59N-128.06E, h0km, mb3.3/3, mbtmp3.3/3, MS3.1/3, Error ellipse: s-maj=212.7km s-min=28.7km az=67.0, East of Philippine Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, etc.

IDC 17 13:19:20.2-542.0, 53.95N-2.91E, h0km, Error ellipse: s-maj=229.4km s-min=146.7km az=93.0, North Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like I26DE FREYUNG INFRAS, I37NO I37NO, I43RU DUBNA INFRAS, etc.

IDC 17 13:25:11.9-406.0, 55.75N-6.36E, h0km, Error ellipse: s-maj=173.4km s-min=135.4km az=113.0, North Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like I26DE FREYUNG INFRAS, I37NO I37NO, I43RU DUBNA INFRAS, etc.

IDC 17 13:32:09.0-3.3, 17.93Sx176.41W, h0km, mb3.6/3, mbtmp3.6/4, ML4.5/1, MS3.6/10, Error ellipse: s-maj=127.8km s-min=35.1km az=149.0, Fiji Islands Region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MSVF Nonsavu, RAR Rarotonga, DZM Mont Dzumac, etc.

IDC 17 14:07:54.0-1.1, 28.70N-129.33E, h92km, 11km, mb3.4/11, mbtmp3.7/14, Error ellipse: s-maj=24.3km s-min=9.1km az=109.0

JMA 17 14:07:53.8-0.2, 28.78N-0.5-12.9E, h73km, 2km, MD3.5/26, MV3.9/26, NEAR AMAMI-OSHIMA ISLAND

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JMA Feit J J1 at NEAR AMAMI-OSHIMA ISLAND, ISC 17 14:07:53.2-0.2, 28.72N-0.04-129.40E, 0.05, h83km, 5km, n38, r120/54, mb3.5/11, Ryukyu Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like JAM Amami Oshima, JAM Amami Oshima, JTAJ Takarajima, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like JOW Kungimi, JOW Kungimi, JWN Nagatoyohara, etc.

IDC 17 14:07:53.2-0.2, 28.72N-0.04-129.40E, 0.05, h83km, 5km, n38, r120/54, mb3.5/11, Ryukyu Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, ZALV Zalesovo Beam, KURBB Kurchatov Arr, etc.

IDC 17 14:11:13.7, 16.19S-168.54E, h0km, MLV5.2/10, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like VLAKA Lakatoro, VLAKA Lakatoro, DVP Devils Point, etc.

IDC 17 14:11:18.3-1.6, 16.4S-0.1-168.1E, 0.1, h10km, 1km, mb4.5/12, Error ellipse: s-maj=23.0km s-min=16.1km az=332.0

IDC 17 14:11:21.9-3.5, 16.43S-168.14E, h44km, 34km, mb3.8/8, mbtmp4.1/10, ML4.3/2, MS3.6/12, Error ellipse: s-maj=33.0km s-min=19.1km az=144.0

IDC 17 14:11:17.8-0.6, 16.39S-0.06-168.17E, 0.07, h10km, n44, r121/35, mb4.2/9, MS3.5/10, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like VLAKA Lakatoro, DVP Devils Point, KOUNC Koumac, etc.

1100

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KSRS Korea Array, QSPA South Pole Qui, QSPA South Pole Qui, etc.

IDC 17 14:13:37.5-1.2, 16.47Sx168.36E, h0km, mb3.8/5, mbtmp3.9/6, ML4.6/1, Error ellipse: s-maj=44.1km s-min=27.5km az=136.0

NEIC 17 14:13:38.9-0.9, 16.5S-0.1-168.4E, 0.1, h10km, 2km, mb4.3/7, Error ellipse: s-maj=23.4km s-min=19.3km az=104.0

IDC 17 14:13:38.8-0.6, 16.5S-0.1-168.4E, 0.2, h10km, n20, r097/20, mb3.9/7, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KOUNC Koumac, DZM Mont Dzumac, DZM Mont Dzumac, etc.

IDC 17 14:14:32.9-1.5, 21.19Sx169.08E, h0km, mb3.9/9, mbtmp3.9/11, ML4.2/2, Error ellipse: s-maj=62.9km s-min=17.4km az=153.0

NEIC 17 14:14:33.1-1.8, 21.1S-0.2-169.2E, 0.1, h10km, 2km, mb4.3/11, Error ellipse: s-maj=30.7km s-min=10.9km az=32.0

NOU 17 14:14:52.9, 21.48S-166.93E, h0km, MLV3.1/7, New Caledonia

IDC 17 14:14:33.8-0.6, 21.2S-0.1-169.10E, 0.08, h10km, n29, r194/30, mb3.9/14, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like YATNC Mamie plateau, OUCEN Ouanien N, DZM Mont Dzumac, etc.

NEIC 17 14:21:52.6;1.2,23.1S;0.1;178.75W;0.09,h393km,14km, mb4,4/25,Error ellipse: s-maj=20.1km s-min=5.6km az=145.0

IDC 17 14:21:56.4;1.3,23.15S;179.17W,h407km,13km, mb3,7/11,mbtmp4.5/13,Error ellipse: s-maj=17.4km s-min=13.0km az=47.0

ISC 17 14:21:57.0;0.5,23.07S;0.06;178.98W;0.07,h426km, n89,r171/112,mb4,1/22,1D,South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations like NSVSV, NIUE, AFJ, OUZ, GRZ, WCU, KUZ, WIAZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like QSPA, MJAR, MAW, ELIB, TXAR, CMAR, HHC, HFC, AKAS, TORD, VLAKE, VLAK, DVP, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like NAO, IDC, bmtbp3,6/16, ML3,9/6, MS3,0/6, Error ellipse: s-maj=15.1km s-min=11.5km az=95.0, etc.

17D 14h

Table with columns: RDO, Rodhops, comp=E, 1.70 344, Pn, Pn, 14.41 25.5 +0.6, etc. Lists various stations and their coordinates.

2018 DEC

Table with columns: MPEP, Malo Peshtene, 4.25 335, P, Pn, 14.42 00.9 +1.0, etc. Lists various stations and their coordinates.

1102

Table with columns: YKA, comp=Z, 0.5nm, 0.5s, Yellowknife Ar, 73.56 342, P, P, 14.52 27.1 -0.7, etc. Lists various stations and their coordinates.

JJW	Kunigami	36.78 333	LR	LR	15 14 22.9
CMAR	Chiang Mai Arr	52.35 299	P	P	15 03 32.5 +0.5
MKAR	Makanchi Array	76.78 321	P	P	15 06 10.8 -0.3
E19K	Redstone River	83.28 19	P	P	15 06 45.2 -0.5
IMAR	Indian Mountai	83.67 21	P	P	15 06 47.2 -0.6
GSPA	South Pole Qui	84.13 180	P	P	15 06 49.5 -0.8
GSPA	South Pole Qui	84.13 180	P	P	15 06 49.6 -0.8
ILAR	Eielson Array	85.70 23	P	P	15 06 55.3 -2.8
B22K	Teshekpuk Lake	85.95 17	P	I Amb	15 06 58.1 -1.1
TORD	Torodi Ar. Bea	144.14 284	PKP	PKPbc	15 13 54.0 -0.3

IDC 17 15:00:59.4:1.5, 22°76'N:12°12'W, h0km, mb4.0/7, mbmp4.0/9, ML3.8/2, Error ellipse: s-maj=55.3km s-min=23.1km az=95.0

ISC 17 15:01:00.4:1.6, 22.77N:10°12'W:0.3, h10km, n13, o575/12, mb4.0/7, Mauritania

Code	Station Name	Δ°	AZ	Phase	ID	Time	Res	
						h	m s	ISC
						h	m s	ISC
BBT5	Babate	8.98	208	Op	ISC	15	05 46.0	
MDT	Midelt	12.12	32	Lg	Lg	15	07 15.7	
TORD	Torodi Ar. Bea	16.22	123	Pn	Pn	15	04 48.4 -0.1	
TORD	Torodi Ar. Bea	16.22	123	Pn	Pn	15	04 48.6 +0.1	
DBIC	Dimboko	17.39	155	Pn	Pn	15	05 02.7 -0.6	
DBIC	DBIC	17.39	155	Pn	Pn	15	05 02.7 -0.6	
HFS	Hagfors	41.62	19	P	P	15	08 47.4 -0.9	
NOA	NORSAR Array B	41.64	17	P	P	15	08 47.4 -1.2	
FINES	FINES Array B	46.79	24	P	P	15	09 29.2 -0.6	
ARCES	ARCES Array B	51.99	16	P	P	15	10 09.4 0.0	
KURB	Kurchatov Arr	73.24	42	P	P	15	12 31.6 -0.1	
MKAR	Makanchi Array	76.75	45	P	P	15	12 52.6 +0.5	
SOMN	Songino Array	90.82	36	P	P	15	14 05.4 +1.2	
WRA	Warramunga Arr	148.71	91	PKPbc	PKIKP	15	20 49.8 -0.3	
ASAR	Alice Springs	148.82	99	PKPbc	PKPbc	15	20 49.5 +0.6	

NEIC 17 15:08:53.6:2.2, 19°25'0.1:177°5W:0.1, h564km, g5km, mb4.4/39, Error ellipse: s-maj=18.3km s-min=15.6km az=130.0

IDC 17 15:08:55.3:1.1, 19°11'S:177°68'W, h591km, 1.0km, mb3.5/15, mbmp4.4/17, Error ellipse: s-maj=15.3km s-min=10.5km az=149.0

ISC 17 15:08:53.1:0.4, 19.222S:0.07x177.52W:0.07, h570km, n141, o116/145, mb4.3/34, 6C, Fiji Islands region

Code	Station Name	Δ°	AZ	Phase	ID	Time	Res	
						h	m s	ISC
						h	m s	ISC
MSVF	Nonsauv	4.46	289	Op	ISC	15	10 21.5 +1.5	
MSVF	Nonsauv	4.46	289	Op	ISC	15	11 33.0 +2.2	
FUTU	Fugatoga	4.92	353	P	P	15	10 23.1 -0.5	
NiUE	Niue	7.18	90	P	P	15	10 43.8 +0.3	
NiUE	Niue	7.18	90	P	P	15	10 44.0 +0.5	
AFI	Afiama	7.63	47	P	P	15	10 46.4 -1.6	
AFI	Afiama	7.63	47	P	P	15	10 46.5 -1.5	
DZM	Mont Dzumac	15.28	257	I Amb	I Amb	15	12 39.5 -1.4	
DZM	Mont Dzumac	15.28	257	I Amb	I Amb	15	12 05.8 +0.8	
OUAZ	Ouaoua	17.17	204	P	P	15	12 29.8 +2.0	
WCZ	Waipi Caves	18.13	202	P	P	15	12 33.0 +1.9	
MXZ	Matakoa Point	18.64	190	P	P	15	12 35.1 -0.6	
WIAZ	Waiheke Island	18.66	199	P	P	15	12 38.0 +2.1	
MBAZ	Motutapu North	18.71	199	P	P	15	12 38.7 +2.4	
WNGZ	Waionare S	18.75	191	P	P	15	12 38.9 +1.0	
ETAZ	East Tamaki Re	18.87	199	P	P	15	12 40.1 +2.3	
HAZ	Te Kaha	18.92	192	P	P	15	12 38.5 +0.2	
MKAZ	Moumakai	18.94	198	P	P	15	12 40.2 +1.8	
AWAZ	Awhitu Peninsula	19.06	200	P	P	15	12 41.5 +2.0	
PUZ	Puketiti	19.14	190	P	P	15	12 40.1 -0.2	
TWZ	Tauwharepara	19.25	191	P	P	15	12 41.2 +0.4	
TOZ	Tahuroa Road	19.42	197	P	P	15	12 43.3 +0.5	
TOZ	Tahuroa Road	19.42	197	P	P	15	12 44.1 +1.3	
URZ	Urewera	19.54	193	P	P	15	12 41.7 -2.1	
URZ	Urewera	19.54	193	P	P	15	12 41.7 -2.1	
URZ	Urewera	19.54	193	P	P	15	12 42.4 -1.4	
RITZ	Rimuhau	19.84	191	P	P	15	12 45.2 -1.5	
RITZ	Ruatuhana	19.91	193	I Amb	I Amb	15	12 46.2 -1.1	
RTZ	Ruatuhana	19.91	193	I Amb	I Amb	15	12 46.4 -0.9	
RTZ	Ruatuhana	19.91	193	P	P	15	12 46.4 -0.9	
RTZ	Tolley Road	19.98	196	P	P	15	12 49.6 +1.7	
SLZ	Shannon Statio	20.00	192	P	P	15	12 46.9 -1.2	
BLZ	Black Stump Fm	20.54	193	I Amb	I Amb	15	12 47.7 -1.3	
BKZ	Black Stump Fm	20.54	193	P	P	15	12 51.4 -1.6	
BRZ	Vera Road	20.93	197	P	P	15	12 57.4 +0.9	
PXZ	Pewarui	21.30	192	P	P	15	12 59.0 -0.7	
TSZ	Takapari Road	21.51	194	P	P	15	13 00.6 -1.1	
BHW	Baring Head	23.05	195	P	P	15	13 14.9 -0.5	
QRZ	Quartz Range	23.16	199	P	P	15	13 16.7 +0.3	
THZ	Tophouse	23.90	198	P	P	15	13 23.1 +0.1	
THZ	Tophouse	23.90	198	I Amb	I Amb	15	13 23.8	
THZ	Tophouse	23.90	198	P	P	15	13 23.0 0.0	
DSZ	Denniston Nort	24.22	200	P	P	15	13 25.6 -0.2	
KHZ	Kahutara	24.33	196	P	P	15	13 25.9 -0.8	
LTZ	Lake Taupo	25.02	198	P	P	15	13 31.3 -1.6	
INZ	Inchubarui	25.12	191	P	P	15	13 34.4 +0.2	
WVZ	Waikata Valley	25.76	200	P	P	15	13 38.5 -0.9	
LJZ	Lake Benmore	27.12	200	P	P	15	13 49.4 -1.9	
CBZ	Jackson Bay	27.31	202	P	P	15	13 52.8 -0.3	
WVZ	Waikata Valley	27.89	201	P	P	15	13 57.9 -0.1	
MLZ	Manawa Lakes	28.67	201	P	P	15	14 05.0 +0.2	
WHZ	Wether Hill R	29.14	10.3	P	P	15	14 10.3 +1.1	
WHZ	Wether Hill R	29.18	201	P	P	15	14 09.7 +0.4	
SYZ	Scrubby Hill	29.37	199	P	P	15	14 10.9 +0.1	
CTAO	Charters Water	34.09	262	I Amb	I Amb	15	14 51.6 +0.3	
CTAO	Charters Water	34.09	262	I Amb	I Amb	15	14 52.5	
PMG	Port Moresby	35.52	281	P	P	15	15 03.9 +0.6	
TOO	Tootaling	37.02	233	P	P	15	15 15.9 +0.5	
COEN	Coen	37.98	272	P	P	15	15 24.3 +0.8	
COEN	Coen	37.98	272	I Amb	I Amb	15	15 24.8	
STKA	Stephens Creek	38.76	243	P	P	15	15 30.5 +0.9	
STKA	Stephens Creek	38.76	243	P	P	15	15 30.1 +0.6	
BBOO	Bucklebo	43.53	242	P	P	15	16 07.7 +0.4	
WB0	Warramunga Arr	45.21	261	P	P	15	16 19.8 -0.6	

WB2	Warramunga Arr	45.23 261	P	I Amb	P	15 16 20.0 -0.5
WRAB	Tennant Creek	45.23 261	P	I Amb	P	15 16 42.6
WRAB	Tennant Creek	45.23 261	P	I Amb	P	15 16 19.9 -0.6
WRA	Warramunga Arr	45.24 261	P	P	P	15 16 20.2 -0.4
WRA	Warramunga Arr	45.24 261	P	P	P	15 17 48.2 -0.2
WRA	Warramunga Arr	45.24 261	P	P	P	15 22 16.4 -3.5
AS31	Alice Springs	45.26 255	P	P	P	15 16 20.5 -0.3
ASAR	Alice Springs	45.27 255	P	P	P	15 16 20.5 -0.3
ASAR	Alice Springs	45.27 255	P	P	P	15 16 20.9 +0.1
ASAR	Alice Springs	45.27 255	P	P	P	15 17 48.2 -0.3
ASAR	Alice Springs	45.27 255	P	P	P	15 22 18.1 -2.2

MTN	Manton Dam	49.62 269	P	I Amb	P	15 16 53.4 0.0
FORT	Forrest	50.22 246	P	P	P	15 16 57.2 -0.4
KNRA	Kununurra	51.21 265	P	I Amb	I Amb	15 17 05.4 +0.4
FITZ	Fitzroy Crossi	53.66 261	P	P	P	15 17 22.6 +0.1
PSA00	Pilbara Seismi	58.41 256	P	I Amb	I Amb	15 17 54.7 -0.5
MBWA	Marble Bar	58.58 256	P	I Amb	I Amb	15 17 55.9 -0.4
VNDA	Vanda	59.22 185	P	P	P	15 18 01.4 +1.8
VNDA	Vanda	59.22 185	P	P	P	15 18 01.2 +1.6
MJAR	Matsushiro Arr	69.46 323	P	P	P	15 19 04.3 -0.6
GSPA	South Pole Qui	70.84 180	P	I Amb	I Amb	15 19 14.1 +1.2
GSPA	South Pole Qui	70.84 180	P	I Amb	I Amb	15 19 15.2
PETK	Petrovavlovsk-	75.16 345	P	P	P	15 19 37.2 -0.2
PETK	Petrovavlovsk-	75.16 345	P	P	P	15 19 37.1 -0.3
OHAK	Old Harbor	78.81 13	P	P	P	15 19 57.3 +0.2
NVAR	Mina Array Be	79.79 43	P	P	P	15 20 03.7 +1.4
NVAR	Mina Array Be	79.79 43	P	P	P	15 20 04.5 +0.6
BELA	Belgrano 2	80.76 173	P	I Amb	I Amb	15 20 07.7 +0.5
J05D	Fort Rock, OR	80.82 38	P	I Amb	I Amb	15 20 09.1
J05D	Fort Rock, OR	80.82 38	P	I Amb	I Amb	15 20 09.5 +1.2
PINE	Pine Mountain	81.30 38	P	I Amb	I Amb	15 20 12.1 +1.3
I07A	Izeze	82.31 38	P	I Amb	I Amb	15 20 16.9 +1.8
I07A	Izeze	82.31 38	P	I Amb	I Amb	15 20 24.9
J08A	Circle Bar Ran	82.49 39	P	I Amb	I Amb	15 20 17.8 +1.0
U15A	North Rim	82.77 48	P	P	P	15 20 20.0 +1.5
MAW	Mawson	82.91 200	P	P	P	15 20 18.9 +0.6
G08A	Pilot Rock	83.33 37	P	P	P	15 20 21.9 +1.0
N25K	Chitina, Valde	84.74 15	P	I Amb	I Amb	15 20 27.9 +0.6
VHRN	Van Horn	85.56 55	P	I Amb	I Amb	15 20 33.6 +1.5
VHRN	Van Horn	85.56 55	P	I Amb	I Amb	15 20 34.7
TXAR	Lajitas Array	85.99 57	P	P	P	15 20 35.2 +1.1
G32M	Nakina River	86.28 22	P	P	P	15 20 35.7 +0.8
IMAR	Indian Mountai	86.83 10	P	P	P	15 20 36.9 -0.2
ILAR	Eielson Array	86.97 13	P	P	P	15 20 36.6 -1.2
PDAR	Pinedale Array	87.72 43	P	P	P	15 20 42.4 +0.2
PDAR	Pinedale Array	87.72 43	P	P	P	15 20 41.9 -0.3
TROLL	Troll, Antarti	89.00 180	IP	P	P	15 20 48.0 +0.4
SNA A	Snae	89.27 178	P	P	P	15 20 48.7 0.0
SNA A	Snae	89.27 178	IP	I Amb	I Amb	15 20 49.5
SNA A	Snae	89.27 178	IP	P	P	15 20 48.5 -0.2
SNA A	Snae	89.27 178	P	P	P	15 20 48.5 -0.2
VNA3	Nuemyer Olymp	89.38 176	IP	P	P	15 20 49.4 +0.3
E23K	Chandalar	89.39 10	P	P	P	15 20 49.6 +0.5
BMAR	Burnt Mountain	89.76 12	P	P	P	15 20 51.5 +0.7
VNA2	Nuemyer-Watz	89.83 177	IP	P	P	15 20 51.8 +0.6
VNA1	Nuemyer-Stat	90.05 176	IP	P	P	15 20 52.7 +0.5
CMAR	Chiang Mai Arr	90.12 289	P	P	P	15 20 54.5 +1.0
YKA	Yellowknife Ar	95.17 25	P	P	P	15 21 15.0 -0.6
MKAR	Makanchi Array	110.65 314	PKIKP	PKIKP	15 26 20.2 -1.4	
KURB	Kurchatov Arr	113.42 314	PKIKP	PKIKP	15 26 24.9 -1.8	
BOV	Borovoye Array	118.39 320	PKP	PKP	15 26 35.0 -1.2	
ARCES	ARCES Array B	127.75 350	PKPbc	PKPbc	15 26 52.8 -0.8	
FINES	FINES Array B	136.64 344	PKHkP	PKPpre	15 26 58.5	
FINES	FINES Array B	136.64 344	PKHkP	PKPpre	15 27 07.4 -1.0	
HFS	Hagfors	138.35 352	PKHkP	PKPpre	15 27 04.9	
AKASE	Malin Array Be	142.11 332	PKHkP	PKPpre	15 27 16.3	
BUR0	Bucovina Arr S	146.15 322	PKPbc	PKPbc	15 27 21.7 -0.8	
BR131	Keokim Array S	146.30 314	PKPbc	PKPbc	15 27 30.8 -0.1	
BR131	Keokim Array S	146.30 314	PKPbc	PKPbc	15 27 30.4 -0.5	
MMAI	Mount Meron Ar	147.56 302	PKPbc	PKPbc	15 27 34.7 -1.2	
BORA	Eskisehir	148.34 317	PKPbc	PKPbc	15 27 36.0 -0.2	
KHC	Kasperske Hory	148.34 346	PKPbc	PK		

Table of station data for 17d 15h. Columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include KUTZ, WHIT, ARHZ, ARHO, etc.

Table of station data for 2018 DEC. Columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include PETK, SOEI, SOMI, YAK, CMAR, CTA, etc.

Table of station data for 1104. Columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include DZM, NOKC, ONTNC, etc.

IDC 17 15:26:29.4-0.9,16.375x168.23E,h0km,mb4.2/7, mbmp4.2/8,ML4.2/1,MS3.3/3,Error ellipse: s-maj=36.0km s-min=23.2km az=131.0

NEIC 17 15:26:30.6+1.1,16.385x168.2E:0.1,h10km,2km,mb4.7/7,Error ellipse: s-maj=25.9km s-min=7.8km az=316.0

ISC 17 15:26:34.8-0.8,16.414x168.19E:0.1,h35km,n21,0.085/20,mb4.3/11,Vanuatu Islands

Table of station data for IDC, NEIC, and ISC. Columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include KOUNC, DZM, ONTNC, etc.

IDC 17 15:52:14.5-0.6,21.905x170.15E,h0km,mb4.5/14, mbmp4.5/15,ML4.9/1,MS4.4/5,Error ellipse: s-maj=20.1km s-min=18.0km az=111.0

MOS 17 15:52:16.6+1.2,21.745x169.82E,h10km,mb5.1/22, MS4.5/4,Error ellipse: s-maj=11.0km s-min=9.7km az=124.8

BGR 17 15:52:18.6+2.1,21.805x171.88E,h36km,1km NEIC 17 15:52:19.21,21.875x169.97E,h26km

NEIC 17 15:52:19.1,21.975x169.97E,h26km, Moment Tensor Solution: Duration: 157 Moment tensor: Scale 1016Nm

M4:6.7; M5:1.33; M6:3.34; M0:0.21; M2:2.75; M3:2.04; Fault plane solution: M5.390x1016 NP1:

NEIC 17 15:52:20.21,9.21,9S:0.1,169.93E:0.08,h22km,4km, mb5.1/46,MWV5.1/16 Error ellipse: s-maj=16.0km s-min=9.9km az=164.0

NOU 17 15:52:21.1,21.925x169.88E,h27km,mb5.1/47, Southeast of Loyalty Islands

BJI 17 15:52:21.0,21.905x169.90E,h45km,mb4.9/49,mb5.2/19, MS5.1/4,MS7.4/6

GMCT 17 15:52:22.0,2.21,88S:0.02,169.88E:0.01,h26km, MW5.2/91, Moment Tensor Solution. s80,c113;

S91,c134; Duration: 0 Moment tensor: Scale 1016Nm; M5:3.02x; M0:1.88x; M1:1.88x; M2:0.13; M0:4.02x;

M5:3.23x; M0:3.91x; P: 2.60; Best double couple; M0:7.2890x1016 NP1:P0:160.000000,061.000000,

Principal axes: T=7.310, P169.600000, Azm103.000000; N=0.0420, P174.0000, Azm332.0000; P=7.2600,

P10:5.0000, Azm238.0000; nst21 refers to body waves, cutoff=40s. nst22 refers to surface waves, cutoff=50s.

ISC 17 15:52:19.5-0.3,21.945x169.93E:0.04,h25km,n430, 1524/396,mb5.0/76,MS4.4/51,39C-30D,Southeast of Loyalty Islands

Table of station data for IDC, NEIC, and ISC. Columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include MARNC, YATNC, etc.

WRAB	Tennant Creek	33.31 267	P	P	15 58 54.5	-1.0
WRAB	Tennant Creek	33.31 267	P	P	15 58 54.5	-1.0
WRA	Warraminga Arr	33.31 267	P	P	15 58 54.5	-0.9
WRA	comp-Z, 1.7nm, 0.4s, baz=99, slow=8.3, SNR=4.8		PCP	PCP	16 01 37.0	-0.5
WRA	comp-Z, 1.0nm, 0.7s, baz=99, slow=3.0, SNR=2.8		LR	LR	16 12 56.0	
JAY	Jayapura	34.39 300	LR	LR	16 12 10.7	
KDU	Kakadu	36.90 278	P	P	15 59 27.1	+0.6
PPT2	Papeete2	38.22 91	eP	P	15 59 35.7	-2.0
PPT2	comp-Z, 7.3nm, 24.5s		eS	S	16 05 34.2	+4.0
PPT2	comp-Z, 2.01nm, 28.5s		eSS	SnSn	16 08 17.7	+2.4
PPT2	comp-Z, 1.1um, 28.8s		eLR	LR	16 10 00.8	
PPT2	comp-Z, 5.28nm, 25.2s		eLR	LR	16 10 01.1	
PPT	comp-Z, 4.27nm, 29.8s		eLR	LR	16 11 19.3	
WRKA	Warakurna	38.26 257	P	P	15 59 38.1	+0.1
FORT	Forrest	38.41 248	P	Iamb	15 59 39.1	0.0
FORT	Forrest	38.41 248	P	Iamb	16 00 40.4	
FORT	Forrest	38.41 248	P	P	15 59 39.4	+0.3
DRS	Darwin Rock St	38.43 278	P	P	15 59 39.4	-0.1
FAKI	Fak Fak	41.23 292	P	Iamb	16 00 01.2	-1.6
FAKI	Fak Fak	41.23 292	P	Iamb	16 00 01.6	
FITZ	Fitzroy Crossi	41.74 267	P	P	16 00 02.9	+0.1
FITZ	Fitzroy Crossi	41.74 267	P	P	16 00 05.5	-1.5
GUMO	Guam	43.06 323	LR	LR	16 18 15.1	
BATI	Baumata	45.87 177	LR	LR	16 20 12.7	
MBWA	Miarbe Bar	46.59 261	P	Iamb	16 00 45.5	-0.2
MBWA	Miarbe Bar	46.59 261	P	Iamb	16 00 57.1	
MEEK	Meekeatharra	46.82 254	P	P	16 00 48.2	+0.6
KLBR	Kellerberrin	47.25 247	P	P	16 00 58.2	+7.4
NWAO	Narrogin (SRO)	47.65 245	P	P	16 01 20.0	
NWAO	Narrogin (SRO)	47.65 245	P	P	16 00 56.7	+2.7
TAOE	Nuku Hiva Is	49.59 83	eS	S	16 08 17.6	+1.4
TAOE	comp-Z, 2.54nm, 25.3s		eLR	LR	16 15 16.1	
LWUI	Luwuk	50.42 288	LR	LR	16 01 15.8	+0.4
KAPI	Kappang	51.41 282	LR	LR	16 02 16.9	
DAV	Davao City (W)	52.21 298	LR	LR	16 24 33.2	
TOLIZ	Toliloli	53.18 289	P	Iamb	16 01 35.9	0.0
TOLIZ	Toliloli	53.18 289	P	Iamb	16 01 41.7	
TOLIZ	Toliloli	53.18 289	P	P	16 01 35.5	-0.5
VNDA	Vanda	55.77 182	LR	LR	16 23 57.9	
KKM	Kota Kinabalu	59.55 291	P	P	16 02 21.6	+0.1
LEM	Lembaga	61.88 274	P	LR	16 29 52.4	
JOW	Kunigami	63.10 318	LR	LR	16 26 46.6	
JGF	Kuroka	65.05 311	P	P	16 02 56.6	-1.2
JGF	Kuroka	65.05 311	P	P	16 02 57.0	-0.8
MJAR	Matsushiro Arr	65.46 332	P	P	16 02 58.8	-1.6
MJAR	comp-Z, 4.1nm, 0.6s, baz=168, slow=7.4, SNR=10		LR	LR	16 32 34.0	
MAJO	Matsushiro	65.46 332	P	P	16 02 59.3	-1.1
MAJO	Matsushiro	65.46 332	P	P	16 02 59.4	-1.0
MAJO	Matsushiro	65.46 332	eP	Pmax	16 02 59.6	-0.8
TPUB	Ta-pu	65.81 310	P	P	16 03 01.7	-1.3
YHNB	Yehng	66.16 312	P	P	16 03 07.8	+2.6
JNU	Nakutsue	66.26 325	LR	LR	16 33 09.5	
QSPA	Souk Pole Qui	68.13 180	P	P	16 03 17.0	-0.3
QSPA	comp-Z, 8.9nm, 1.0s, baz=88, slow=1.1, SNR=23		LR	LR	16 29 45.5	
JKA	Kamikawa-asahi	70.36 339	P	P	16 03 31.2	+0.2
ASAJ	Asahikawa	70.36 339	P	Pmax	16 03 31.2	+0.1
TJN	Taejon	70.11 325	eP	P	16 03 31.1	-1.7
KSR5	Korea Arr	71.12 326	P	P	16 03 35.4	-0.4
KSR5	comp-Z, 2.9nm, 0.7s, baz=130, slow=6.4, SNR=9.1		LR	LR	16 32 14.9	
IPM	Iphoh	72.34 282	P	P	16 03 43.6	-0.2
IPM	comp-Z, 1.6nm, 1.0s		Iamb	Iamb	16 03 55.3	
IPM	Iphoh	72.34 282	P	P	16 03 43.7	-0.1
IPN	Rapa Nui	72.39 113	LR	LR	16 27 35.4	
NJ2	Nanjing	72.63 316	eP	Pmax	16 03 48.6	+3.6
NJ2	comp-Z, 1.0nm, 0.6s		Pmax	Pmax		
YSS	Yuzhno-Sakhal	72.85 341	eP	Pmax	16 03 46.7	+0.7
YSS	comp-Z, 1.0nm, 1.1s		MLR	MLR		
YSS	comp-Z, 1.0nm, 1.5s		MLR	MLR		
YSS	comp-Z, 4.00nm, 15.0s		MLR	MLR		
YSS	comp-E, 2.00nm, 16.0s		MLR	MLR		
KULM	Kulim	73.01 283	P	P	16 03 48.0	+0.3
MSHR	Mys Shuitsa	73.52 331	eP	Pmax	16 03 50.2	+0.2
MSHR	comp-Z, 4.6nm, 1.7s		Pmax	Pmax		
PSI	Prapat	73.57 280	LR	LR	16 40 56.3	
VLA	Vladivostok	73.62 332	eP	Pmax	16 03 50.4	-0.2
VLA	comp-Z, 2.5nm, 1.0s		Pmax	Pmax		
PSTR	Posyet	73.73 331	I/P	P	16 03 51.6	+0.3
SHEM	Shemys Is, Ala	74.44 3 3	LR	LR	16 32 50.5	
USA0B	Ussuriysk Arra	74.45 333	P	P	16 03 55.7	+0.3
USA0B	comp-Z, 2.4nm, 1.2s		Iamb	Iamb	16 03 56.5	
USA0B	Ussuriysk Arra	74.45 333	I/P	P	16 03 55.0	-0.4
USRK	Ussuriysk Arr	74.45 333	P	P	16 03 55.3	-0.2
USRK	comp-Z, 3.0nm, 0.5s, baz=141, slow=5.8, SNR=15		LR	LR	16 34 14.4	
USRK	comp-Z, 9.3nm, 20.6s, baz=166, slow=34		P	P	16 04 00.9	-0.4
PEA0B	Petrovavlovs-k	75.49 352	eP	P	16 04 01.9	+0.5
PEA0B	Petrovavlovs-k	75.49 352	eP	P	16 04 00.9	-0.4
PETK	Petrovavlovs-k	75.49 352	P	P	16 04 00.2	-1.1
PETK	comp-Z, 1.2nm, 1.1s, baz=168, slow=6.9, SNR=4.1		LR	LR	16 31 04.9	
MDJ	Mudanjiang	75.82 331	P	P	16 04 02.9	-0.5
MDJ	comp-Z, 1.2nm, 1.1s		Iamb	Iamb	16 04 04.3	
MDJ	Mudanjiang	75.82 331	P	Pmax	16 04 02.8	-0.5
MDJ	comp-Z, 1.5nm, 1.2s		Pmax	Pmax		
MAW	Mawson	76.21 202	LR	LR	16 34 12.5	
MAW	comp-Z, 2.40nm, 3.9s		Pmax	Pmax		
TYV	Tymovskoe	76.39 343	eP	Pmax	16 04 06.9	+0.5
TYV	comp-Z, 1.46nm, 19.7s, baz=94, slow=33		Pmax	Pmax		
TYV	Tymovskoe	76.39 343	eP	Pmax	16 04 06.9	+0.5
TYV	comp-Z, 1.5nm, 1.3s		Pmax	Pmax		
TIA	Taian	76.42 318	P	Pmax	16 04 06.5	-0.5
TIA	comp-Z, 5.00nm, 6.3s		Pmax	Pmax		
TIA	Taian	76.42 318	P	Pmax	16 04 06.5	-0.5
TIA	comp-Z, 1.8nm, 1.2s		LR	LR		

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TIA	comp-Z, 1.70nm, 16.7s		LR	LR		
CN2	comp-Z, 2.20nm, 15.7s		P	P	16 04 10.1	-0.6
CN2	Changchun	77.12 329	Pmax	Pmax	16 04 10.1	-0.6
BNX	BinXian	77.67 331	I/P	P	16 04 12.8	-1.0
BNX	BNX		Pmax	Pmax		
ENH	Enshi	77.93 310	P	Iamb	16 04 15.1	-0.6
ENH	Enshi		Iamb	Iamb	16 04 28.7	
GYA	Guiyang	77.94 305	I/P	Pmax	16 04 18.4	+2.5
GYA	comp-Z, 3.0nm, 1.2s		Pmax	Pmax		
UNV	Unalaska Isle	78.15 14	P	P	16 04 17.7	+1.5
GRNR	Gorny	78.21 339	I/P	Pmax	16 04 16.9	+0.2
GRNR	comp-Z, 1.0nm, 1.0s		Pmax	Pmax		
GRNR	comp-E, 1.20nm, 13.0s		MLR	MLR		
GRNR	comp-N, 1.20nm, 12.0s		MLR	MLR		
GRNR	comp-Z, 1.70nm, 19.0s		MLR	MLR		
LYN	LuoYang	78.36 315	P	Pmax	16 04 18.3	+0.4
LYN	LYN		Pmax	Pmax		
HNS	HongShan	78.67 318	I/P	Pmax	16 04 19.8	+0.3
HNS	HNS		Pmax	Pmax		
BELA	Belgrano 2	79.36 175	P	Iamb	16 04 21.6	-1.2
BEL	Belgrano 2	79.36 175	P	Iamb	16 04 21.6	-1.2
BJI	Beijing	79.47 321	P	S	16 04 23.8	0.0
BJI	Beijing		S	S	16 14 23.1	-0.5
BJJ	BJJ		Pmax	Pmax		
BJJ	comp-Z, 5.0nm, 0.7s		Pmax	Pmax		
CMAR	Chiung Mai Arr	80.25 294	P	P	16 04 29.7	+1.1
CMAR	comp-Z, 2.7nm, 0.6s, baz=132, slow=3.9, SNR=26		LR	LR	16 43 00.6	
CMAR	Chiung Mai Arr	80.25 294	eP	P	16 04 30.0	+1.4
CMAR	comp-Z, 2.7nm, 0.6s		Pmax	Pmax		
KMI	Kunming	80.29 302	I/P	Pmax	16 04 30.1	+1.1
KMI	Kunming		Pmax	Pmax		
KMI	comp-Z, 2.8nm, 1.0s		LR	LR		
XAN	Xi'an	80.45 313	P	Pmax	16 04 29.8	+0.5
XAN	XAN		Pmax	Pmax		
SMAI	San Martin Ant	81.06 161	P	Iamb	16 04 31.8	-0.2
SMAI	SMAI		Iamb	Iamb	16 04 33.2	
HEH	Heihe	81.14 334	eP	Pmax	16 04 31.4	-1.2
HEH	Heihe		Pmax	Pmax		
PZH	Panzhihua	81.75 303	P	Pmax	16 04 36.6	0.0
PZH	PZH		Pmax	Pmax		
PZH	comp-Z, 1.0nm, 1.0s		Pmax	Pmax		
XLT	XiLinHaoTe	82.03 324	eP	Pmax	16 04 37.4	-0.2
XLT	XLT		Pmax	Pmax		
XLT	comp-Z, 9.0nm, 1.4s		Pmax	Pmax		
HHC	Hu-ho-hao-te	82.72 319	eP	Pmax	16 04 42.0	+0.7
HHC	HHC		Pmax	Pmax		
HHC	comp-Z, 1.9nm, 0.6s		Pmax	Pmax		
MA2	Magadan	82.74 350	LR	LR	16 36 44.3	
MA2	comp-Z, 2.64nm, 21.3s, baz=156, slow=32		LR	LR		
TNCH	TengChong	83.61 300	I/P	Pmax	16 04 47.5	+1.2
TNCH	comp-Z, 1.1nm, 1.7s		Pmax	Pmax		
TNCH	TNCH		Pmax	Pmax		
ELIB	Elisabeth	83.62 190	dP	P	16 04 44.9	-0.7
ZEY	Zeya	83.90 336	eP	Pmax	16 04 46.7	-0.2
ZEY	ZEY		Pmax	Pmax		
ZEY	comp-N, 10.0nm, 0.8s		Pmax	Pmax		
PMSA	Palmer Station	84.15 160	LR	LR	16 35 34.5	
LZH	Lanzhou	85.05 312	eP	Pmax	16 04 54.6	+1.2
LZH	LZH		Pmax	Pmax		
KDAD	Kodiak Island	85.33 19	LR	LR	16 42 04.3	
KDAD	comp-Z, 2.33nm, 18.1s, baz=47, slow=35		LR	LR		
SEY	Seymchan	85.73 352	I/P	Pmax	16 04 54.8	-1.1
SEY	SEY		Pmax	Pmax		
TROLL	Troll, Antarti	85.91 184	I/P	P	16 04 56.4	-0.7
SNA	Sanae	86.51 182	P	Iamb	16 05 00.9	-1.0
SNA	Sanae		Iamb	Iamb	16 05 59.3	
SNA	comp-Z, 2.5nm, 1.4s		P	P	16 04 58.9	-1.0
SNA	Sanae	86.51 182	I/P	P	16 04 59.0	-1.0
SNA	comp-Z, 4.8nm, 0.7s, baz=206, slow=8.1, SNR=35		P	P	16 04 49.1	
SNA	comp-Z, 1.80nm, 19.6s, baz=184, slow=34		P	P	16 04 58.9	-1.0
SNA	Sanae	86.51 182	eP	Pmax	16 04 58.9	-1.0
SNA	Sanae		Pmax	Pmax		
VNA3	Neumayer Olymp	87.07 180	I/P	P	16 05 01.5	-1.2
VNA3	Neumayer-Watz	87.37 181	I/P	P	16 05 03.3	-0.8
VNA3	comp-Z, 2.2nm, 0.5s, baz=174, slow=5.2		P	P	16 05 04.4	-1.0
VNA3	Neumayer-Stat	87.66 181	I/P	P	16 05 04.4	-1.0
YBH	Yreka Blue Hor	88.75 44	LR	LR	16 36 21.8	
YBH	comp-Z, 2.31nm, 20.5s, baz=346, slow=30		LR	LR		
J18K	Innoko River	89.04 14	P	Iamb	16 05 10.7	-1.2
J18K	J18K		Iamb	Iamb	16 05 14.9	
PFO	Pinyon Flats O	89.15 53	LR	LR	16 37 06.2	
ULN	Ulaanbaatar	89.44 323	P	Iamb	16 05 13.6	-0.7
ULN	ULN		Iamb	Iamb	16 05 15.4	
ULN	Ulaanbaatar	89.44 323	I/P	Pmax	16 05 13.9	-0.4
ULN	ULN		Pmax	Pmax		
GTA	Gaotai	89.48 313	eP	Pmax	16 05 14.9	+0.2
GTA	GTA		Pmax	Pmax		
YAK	Yakutsk	89.64 342	P	P	16 05 13.3	-1.4
YAK	Yakutsk	89.64 342	LR	LR	16 44 52.7	
YAK	Yakutsk	89.64 342	eP	Pmax	16 05 12.8	-1.9
YAK	Yakutsk		Pmax	Pmax		
YAK	comp-Z, 9.0nm, 1.2s		MLR	MLR		
YAK	Yakutsk		MLR	MLR		

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RICC, KRUC, NRDL, MODS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TORO, TORI, TORI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PDAR, BOSA, BOSH, etc.

Azm73.0000°;
 GCMT 17 17:23.174.0.1,6.01S;0.01:151.50E;0.1;h21km,1km,
 MW5.3/123, Moment Tensor Solution, s89,c130;
 s123,c211; Duration: 1s0 Moment tensor: Scale 10¹⁷
 Nm; Mw=0.19±0.02; Mw0.75±0.01; Mw0.55±0.01;
 Mw=0.56±0.04; Mw0.15±0.01; Mw0.41±0.04; Best double
 couple: Mo:0.97800×10¹⁷ Np1.0±124.00000°;δ83.00000°;
 λ-48.00000°; NP2:0.221.00000°;δ43.00000°;
 λ-170.00000°; Principal axes: T 1.0120, P1g26.0000°;
 Azm182.0000°; N -0.0690, P1g42.0000°; Azm297.0000°;
 P -0.9430, P1g37.0000°; Azm70.0000°; nsta1 refers to
 body waves, cutoff=40s; nsta2 refers to surface waves,
 cutoff=50s; Triangular moment-rate function

DJA 17 17:23.20.4.0.7,6.5s;15.1E;h68km,7km,M5.3/28,
 mb5.4/28,mb5.7/9,MLV5.6/1,Mw(mb)5.2/9,MwMwp4.9/3,
 Mwmp5.2/3
 ISC 17 17:23.16.5.0.5,5.84S;0.04:151.52E;0.04,h33km,1km,
 h34km;p-P,n626,c1943/588,mb5.1/132,MS4.5/74,
 18C-26D, New Britain region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
BULL	Kimbe	1.24	284	Op	17 23 38.0	-1.3
RABL	Rabaul	1.75	21	Pn	17 23 45.4	+0.9
PMG	Port Moresby	5.59	230	Pn	17 24 37.1	-0.3
PMG	Port Moresby	5.59	230	Pn	17 24 37.8	+0.4
PMG	39m,0.3s,baz=40,slow=10,SNR=102			Sn	17 25 41.9	+1.4
PMG	comp-Z,1.1m,1.1s			Sn	17 26 06.6	
PMG	comp-Z,1.1m,2.1s,baz=14,slow=31			LR	17 26 06.6	
PMG	Port Moresby	5.59	230	P	17 24 39.5	+2.1
PMG	Port Moresby	5.59	230	p	17 24 38.2	+0.8
PMG	comp-Z,1.1m,1.3s			pmax		
MANU	Manus Island	5.60	312	Pn	17 24 35.6	-1.9
TATA	Tanabaru	6.80	108	P	17 25 20.6	+1.9
HNR	Honiara	9.08	114	Pn	17 25 26.4	+1.1
HNR	comp-Z,487nm,0.7s,baz=239,slow=3.4,SNR=14			Pn	17 25 28.0	+2.7
HNR	Honiara	9.08	114	Pn	17 25 27.1	+1.0
ALGC	Aligoeso Malai	9.55	109	P	17 25 43.3	+3.2
NGAO	Tingoa Renbel	10.17	125	P	17 25 58.2	-0.5
COEN	Coen	11.52	225	Pn	17 25 59.0	+0.3
COEN	Coen	11.52	225	P	17 26 33.4	+0.6
COEN	comp-Z,0.0nm,comp-Z,3.4nm,1.0s			P	17 26 35.0	+0.9
COEN	Coen	11.52	225	P	17 26 34.0	+0.6
SMTU	Mount Surprise	14.10	209	P	17 26 35.0	+0.9
PATS	Pohnpei	14.30	28	Pn	17 26 33.0	-3.6
CTA	Charters Tower	15.06	199	Pn	17 26 45.6	-0.4
CTA	comp-Z,0.2nm,0.3s,baz=25,slow=12,SNR=5.0			LR	17 32 25.2	
CTAO	Charters Tower	15.06	199	P	17 26 45.9	-1.1
CTAO	Charters Tower	15.06	199	p	17 26 45.9	-1.1
CTAO	comp-Z,1.19nm,1.6s			pmax		
QIS	Koum Isa	16.66	217	P	17 27 33.7	+1.5
KOUNC	Koum New Ca	19.17	141	P	17 27 39.1	+1.8
EIDS	Eidsvold	19.43	181	P	17 27 41.0	+0.8
EIDS	Eidsvold	19.43	181	P	17 27 40.8	+0.6
KDU	Kakadu	19.99	249	P	17 27 46.1	-0.2
KDU	Kakadu	19.99	249	P	17 27 46.6	+0.3
GUMO	Guam	20.40	341	P	17 27 49.2	-1.5
GUMO	Guam	20.40	341	P	17 27 46.9	-3.9
GUMO	comp-Z,1.12nm,1.0s,baz=158,slow=10,SNR=6.0			LR	17 34 18.3	
GUMO	comp-Z,639nm,20.3s,baz=151,slow=33			LR	17 34 18.3	
RMQ	Roma	20.70	187	P	17 27 56.0	+2.0
MTN	Manton Dam	21.28	249	P	17 27 59.2	-1.2
MTN	Manton Dam	21.28	249	P	17 28 00.0	-0.3
MTN	Manton Dam	21.28	249	P	17 28 01.0	+0.7
DRS	Darwin Rock St	21.39	251	P	17 28 02.0	+1.0
I39PW	PALAU INFRASOUND 21.52	21.52	308	I	19 37 20.1	
I39PW	comp-Z,193nm,1.0s			I	19 37 20.1	
I39PW	comp-Z,1.99nm,1.5s			I	19 37 20.1	
DZM	Mont Dzumac	21.65	140	eP	17 28 03.8	-0.5
DZM	comp-Z,1.13nm,1.2s			eS	17 31 58.7	-3.8
DZM	comp-Z,5.5m,26.0s			eLR	17 33 16.6	
DZM	comp-Z,2.2m,25.6s			eLR	17 33 16.6	
DZM	Mont Dzumac	21.65	140	P	17 28 05.4	+1.1
DZM	Mont Dzumac	21.65	140	P	17 28 05.1	+0.8
DZM	comp-Z,1.1nm,0.5s,baz=193,slow=14,SNR=7.5			LR	17 35 06.6	
DZM	comp-Z,2.2m,18.2s,baz=334,slow=33			LR	17 35 06.6	
DZM	comp-Z,1.1nm,0.5s			LR	17 35 06.6	
WB0	Warramunga Arr	21.66	229	P	17 28 04.1	-0.3
WB0	Warramunga Arr	21.67	228	P	17 28 04.2	-0.3
QLP	Quilpie	21.77	198	P	17 28 05.9	+0.4
WRAB	Tennant Creek	21.80	228	P	17 28 05.5	-0.3
WRAB	comp-Z,99nm,0.9s			Iamb	17 28 21.8	
WRAB	Tennant Creek	21.80	228	p	17 28 05.0	-0.8
WB2	Warramunga Arr	21.80	228	P	17 28 05.7	-0.2
WB2	comp-Z,99nm,0.9s			Iamb	17 28 21.9	
WRA	Warramunga Arr	21.81	228	P	17 28 05.3	-0.7
WRA	comp-Z,90nm,1.1s,baz=53,slow=10,SNR=58			S	17 31 57.2	-8.3
WRA	comp-Z,1.4nm,0.9s,baz=52,slow=14,SNR=1.2			PcP	17 32 05.8	+0.3
WRA	comp-Z,4.7nm,1.0s,baz=52,slow=2.0,SNR=6.2			SfP	17 35 43.2	+2.8
WRA	comp-Z,5.3nm,1.1s,baz=49,slow=2.9,SNR=6.2			SfP	17 35 43.2	+2.8
WRA	comp-Z,2.2m,21.4s,baz=52,slow=37			ScP	17 36 34.9	
INKA	Innamuka	24.07	204	P	17 28 29.2	+0.3
KNRA	Kununurra	24.38	245	P	17 28 31.6	-0.3
KNRA	Kununurra	24.38	245	P	17 28 31.5	-0.3
KNRA	comp-Z,1.93nm,1.0s			P	17 28 32.3	-0.2
ARMA	Armidale	24.45	180	P	17 28 32.3	-0.2
ARMA	Armidale	24.45	180	P	17 28 32.3	-0.2
ARMA	comp-Z,0.0nm,comp-Z,3.4nm,2.2s			P	17 28 32.4	-0.2
AS01	Alice Springs	24.50	222	P	17 28 33.1	+0.1
AS31	Alice Springs	24.52	222	P	17 28 33.3	0.0
AS31	Alice Springs	24.53	222	P	17 28 33.2	0.0
ASAR	Alice Springs	24.53	222	P	17 28 33.2	0.0
ASAR	comp-Z,86nm,1.1s,baz=56,slow=8.5,SNR=111			P	17 32 11.5	+0.3
ASAR	comp-Z,1.7nm,0.7s,baz=56,slow=3.3,SNR=1.9			S	17 33 01.4	+9.5
ASAR	comp-Z,2.6nm,1.1s,baz=34,slow=22,SNR=2.8			SfP	17 35 49.2	+1.5
ASAR	comp-Z,3.6nm,1.0s,baz=30,slow=2.5,SNR=7.6			LR	17 37 56.5	
CMSA	Cobar Meteor	26.15	191	P	17 28 47.2	-0.5
OOD	Oodnadatta	26.52	213	P	17 28 51.9	+0.8
MGCD	Mangrove Creek	27.24	181	P	17 29 03.6	+6.0
MGCD	Mangrove Creek	27.24	181	P	17 28 57.6	+0.1
LCKR	Leigh Creek	27.50	205	P	17 29 00.2	+0.3
STKA	Stephens Creek	27.52	199	P	17 28 59.3	-0.8
STKA	Stephens Creek	27.52	199	P	17 28 59.6	-0.5
STKA	comp-Z,1.1nm,1.3s			P	17 28 59.6	-0.5
STKA	Stephens Creek	27.52	199	P	17 28 59.6	-0.5
STKA	comp-Z,4.1nm,1.1s,baz=9.1,slow=11,SNR=17			LR	17 39 33.6	
STKA	comp-Z,1.2m,20.8s,baz=6.2,slow=36			P	17 29 00.2	+0.1
STKA	Stephens Creek	27.52	199	P	17 28 58.4	-1.7
STKA	Stephens Creek	27.52	199	eP	17 29 07.3	+3.4
BATI	Baumata	27.92	259	P	17 29 04.6	-0.4
FITZ	Fitzroy Cross	28.05	242	P	17 29 04.6	-0.4
FITZ	comp-Z,54nm,0.7s,baz=74,slow=1.1,SNR=24			LR	17 41 24.2	
FITZ	comp-Z,2.2m,19.9s,baz=62,slow=39			LR	17 41 24.2	
FITZ	comp-Z,54nm,0.7s			LR	17 41 24.2	

MSVF	Nonsavu	28.48	117	P	17 29 10.7	+1.8
MSVF	Nonsavu	28.48	117	LR	17 39 55.0	
MSVF	Nonsavu	28.48	117	eP	17 29 13.3	+4.3
DAV	Davao City (W)	28.69	296	LR	17 40 32.9	
MMRI	Maumere	29.18	263	P	17 29 15.8	+0.7
MMRI	Maumere	29.18	263	P	17 29 14.7	-0.4
WRKA	Warakura	29.33	227	P	17 29 15.6	-0.8
WRKA	Warakura	29.33	227	P	17 29 16.4	+0.1
MULK	Mulgathing	29.35	212	P	17 29 16.6	+0.1
HTT	Hallett	29.85	202	P	17 29 19.0	-1.9
HTT	Hallett	29.85	202	P	17 29 21.2	+0.3
MRSI	Marisa	30.19	281	P	17 29 43.0	+1.9
BBOO	Bucklebo	30.46	206	Iamb	17 29 26.0	-0.2
BBOO	Bucklebo	30.46	206	P	17 29 26.0	-0.2
BBOO	Bucklebo	30.46	206	P	17 29 25.0	-1.3
KAPI	Kappang	31.64	270	LR	17 44 16.7	
PCI	Pali	32.00	278	P	17 29 48.9	+8.9
ARPS	Mount Arapiles	32.04	195	P	17 29 40.4	+0.3
WBSI	Waikabubak, Su	32.05	261	P	17 29 40.0	-0.5
FORT	Forrest	33.19	219	P	17 29 49.8	-0.4
FORT	Forrest	33.19	219	P	17 29 50.7	+0.5
PLAI	Plampang	33.59	263	P	17 29 53.2	-0.8
PLAI	Plampang	33.59	263	P	17 29 52.2	-1.8
MBWA	Marble Bar	34.36	241	P	17 30 00.5	0.0
MBWA	Marble Bar	34.36	241	P	17 30 00.0	-0.5
MBWA	Marble Bar	34.36	241	P	17 30 00.6	0.0
MBWA	Marble Bar	34.36	241	P	17 30 00.2	-0.3
PSA00	Pilbara Seismi	34.41	240	P	17 30 06.4	-0.4
PSA00	Pilbara Seismi	34.41	240	P	17 30 01.2	+0.2
PSAC1	Pilbara Seismi	34.43	240	P	17 30 00.8	-0.4
TGY	Tagay City	36.24	303	LR	17 45 37.1	
JAGI	Jajag, Banyuwu	37.16	264	P	17 30 26.2	+1.5
JAGI	Jajag, Banyuwu	37.16	264	P	17 30 22.7	-2.0
MEEK	Meekatharra	37.57	233	P	17 30 27.8	-0.2
MEEK	Meekatharra	37.57	233	P	17 30 28.4	+0.4
KMBL	Kambalda	37.63	224	P	17 30 27.9	-0.5
KMBL	Kambalda	37.63	224	P	17 30 28.3	-0.1
PWJI	Pagerwojo	39.48	264	P	17 30 42.9	-1.3
JOW	Kunigami	39.52	326	LR	17 44 14.5	
GIRL	Giralila	39.66	241	LR	17 44 45.6	+0.1
URZ	Urewera	39.76	148	P	17 40 49.5	
PCJI	Pacitan	40.10	264	P	17 30 48.7	-0.7
KLBR	Kellerberrin	40.67	227	P	17 30 52.8	-1.1
KLBR	Kellerberrin	40.67	227	P	17 30 53.6	-0.3
MORW	Morawa	40.71	231	P	17 30 53.5	-0.7
MORW	Morawa	40.71	231	P	17 30 54.9	

17d 17h

Table with columns for station ID, name, frequency, and signal strength. Includes stations like TNCH, LZH, MA2, and others.

2018 DEC

Table with columns for station ID, name, frequency, and signal strength. Includes stations like Q17K, N16K, ACHA, and others.

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Table with columns for station ID, name, frequency, and signal strength. Includes stations like PWL, PMR, C18K, and others.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Power, SNR, and other parameters. Includes stations like PINN, D23K, AAK, SGDS, M27K, F24K, TOLK, O28M, J26L, G25K, L27K, C23K, C23K, YUCY, YUK8, D24K, D24K, D27K, I26K, O29M, B2LS, B2LS, F25K, C24K, C24K, P29M, YUK6, YUK4, S31K, E25K, E25K, B2AR, G26K, EGAK, EGAK, F26K, F26K, H27K, H27K, DAWY, S32K, N30M, G27K, G27K, L29M, L29M, NRIK, NRIK, NRIK, NRIK, SKAG, I28M, I28M, O30N, O30N, R32K, C26K, U33K, DZA, DZA, DZA, M30M, J29N, J29N, C27K, C27K, N31M, K29M, E27K, E27K, WHY, WRAK, V35K, V35K, P32M, P32M, F28M, H29M, MAYO.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Power, SNR, and other parameters. Includes stations like CHGR, J30M, M31M, G29M, I30M, E28M, P33M, N32M, EPYK, S34M, FARO, FARO, E29M, D28M, T35M, G30M, R33M, R33M, BBB, F30M, H31M, DLBC, DLBC, G31M, G31M, BVAR, BVAR, BRVK, BRVK, BRVK, F31M, INK, INK, WTLY, YBH, TOAD, AFDM, AFDM, KOTAN, WRGLY, A36M, NVAR, NVAR, G08A, WVOR, NV11, PFO, BMO, NEW, NEW, YUH, ELIB, PLID, PLID, R11B, MFID, ELK, ELK, ARTI, AKTO, YKA, YKA, YKA, YKA, U15A, LPIG, PDAR, PDAR, 121A, ARCES, OBN, OBN, OBN, OBN, 435B, FINES, AKASG, KIRS, BR131, BRTR, L44A, L44A, TLCR, TLCR.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Power, SNR, and other parameters. Includes stations like NB2, NOA, BOSA, BURAR, BURAR, NEHR, MLR, MLR, DOPR, SGRR, VOIR, VOIR, KOLS, KOLS, ARR, ELND, PLCA, DRGR, DRGR, GZR, GZR, GZR, LANS, LANS, SJRR, HERR, BZS, BZS, VYHS, VYHS, MDVR, MORC, MORC, MORC, KRLC, KRLC, KRLC, BOVS, VYAC, MODS, MODS, KRUC, MORH, BRG, BRG, BRG, BRG, BRG, BRG, TREC, TREC, CLC, CLC, CLL, CLL, RONA, RONA, FNA, FNA, CONA, ZVC, CKRC, CKRC, CKRC, KHC, KHC, KHC, ARSA, GERES, MOA, SOKA, LESA, ABTA, WATA, WTTA, MOTA, L61B, SQTA, EKA, RETA, FETA, DAVA, FUON, FUON, TUE, LPAZ, LPAZ, SDV, SDV, SAML, SAML, PTLB, BOAV, TORO, BDFB, BDFB, BDFB.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Power, SNR, and other parameters. Includes stations like VLAKA, VLAKA, DVP, DVP, KOUNC, KOUNC, KOUNC, NOUC, NOUC, ONTNC, ONTNC, GUMO, GUMO, GUMO, PATS, PATS, PATS.

17M 18h

Table with columns: Code, Station Name, Az, El, P, M, Res, Time, Res. Includes stations like Erimo, Warramunga Arr, Tennant Creek, etc.

GCMT 17 18:48:05.70,0.3,3:42S;0.02x129.41E;0.03,h17km;1km, MW4.8/80, Moment Tensor Solution... Duration: 0 Moment Tensor: Scale 10^19Nm; M1-1.62z;17; Mw0.95z;11; Mw0.66z;13; Mw-0.57z;32; Mw1.82z;07; Mw0.24z;35; Best double couple; M2:22600;1016 NIP:18x81.00000; 854.00000; 1.71,0.0000; NP2: 0x211.00000; 840.00000; 1.1-11.00000; Principal axes: T 2.6950, P1g8.0000; Azm138.0000; N -0.9360, P1g15.0000; Azm20.0000; P -1.7570, P1g73.0000; Azm22.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

DJA 17 18:48:07.70,1.3'S;2.12'E;h10km,M4.9/30, mb5.1/30,mb5.4/19,MLV5.1/24,Mw(mb)4.8/19, MwMwp4.6/3,Mwps0.3

NEIC 17 18:48:09.72,2.3:55S;0.06x129.41E;0.06,h35km;2km, mb4.9/40, Error ellipse: s-maj=10.5km s-min=9.6km g2=54.0

IDC 17 18:48:12.22,0.3:58S;129.44E,h64km;18km,mb4.1/20, mbmp4.4/24,MS3.7/30, Error ellipse: s-maj=17.1km s-min=9.8km az=77.0

ISC 17 18:48:09.70,0.3:58S;0.04x129.37E;0.10,h35km,n203, s163/182,mb4.7/54,MS3.8/26,3C-2D,Seram

Table with columns: Code, Station Name, Az, El, P, M, Res, Time, Res. Includes stations like Masochi, BNDI, BNDI, etc.

2018 DEC

Table with columns: Code, Station Name, Az, El, P, M, Res, Time, Res. Includes stations like Kota Kinabalu, Warramunga Arr, Tennant Creek, etc.

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Table with columns: Code, Station Name, Az, El, P, M, Res, Time, Res. Includes stations like Beijing, Lanzhou, Huzhou, etc.

Table with columns: Station, Frequency, Class, Power, and other technical details. Includes stations like JTS, AMPH, CNCH, CEDE, etc.

Table with columns: Station, Frequency, Class, Power, and other technical details. Includes stations like ROSC, FLOC, PIAT, NMDO, etc.

Table with columns: Station, Frequency, Class, Power, and other technical details. Includes stations like CCM, BLOK, OK038, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like FFC Flin Flon, RPRD Ribas do Rio P, AMBA Amambá (Brazi), etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like KEST Kesra, VRAC Vranov, FINES FINESSE Array B, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like NAO 17 19:37:27.5, 35:36N-23:62E, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like DRO Drossia, FSK Fiskio, EVGI University Cam, etc.

17d 20h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HFS Hagfors, EKA Eskdalemuir Ar, BELG Belogorov, FINES FINESS Array B, etc.

SJA 17 19:39:11.0, 29.51S, 71.148W, h10km, ML3.6
GUC 17 19:39:13.1, 0.8, 29.60S, 71.26W, h51km, 2km, ML3.4
ISC 17 19:39:10.3, 1.5, 29.56S, 0.03, 71.35W, 0.05, h4km, 12km, n35, e153/44, 3D, Near coast of central Chile

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CO05 La Serena, GO04 Tololo Observa, AC05 El Transito, etc.

UCR 17 19:41:27.0, 1.6, 11.24N, 86.80W, h35km, 999km, MW4.0
CATAC 17 19:41:35.0, 0.6, 11.53N, 86.68W, h22km, 4km, ML3.1
ISC 17 19:41:25.9, 2.1, 11.14N, 81.10, 87.0W, 0.1, h50km, n3.5, i1523/30, Near coast of Nicaragua

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CRUN El Crucero, RAS7A El Crucero, COPN Copaltepe, etc.

2018 DEC

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MORN AI O del Volca, PACN AI O del Volca, CNGA AI SSO del Vol, etc.

IDC 17 19:55:00.1, 20.0, 27.11N, 140.22E, h447km, 242km, mb2.8/4, mbtmp3.6/4, Error ellipse: s-maj=67.6km s-min=27.7km az=65.0, Bonin Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, KURBB Kurchatov Arr, YKA Yellowknife Arr, etc.

NOU 17 20:05:58.8, 16.24S, 168.44E, h0km, MLV4.1/10, Vanuatu Islands, Vanuatu Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VLAKA Lakatoro, DVP Devils Point, YOUNC Koumang, etc.

IDC 17 20:29:49.7, 1.6, 35.07S, 111.78W, h0km, mb3.8/3, mbtmp3.8/3, MS3.8/21, Error ellipse: s-maj=57.7km s-min=41.3km az=171.0, Southern East Pacific Rise

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RPN Rapa Nui, H03S2 Juan Fernandez, PLCA Paso Flores, etc.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KAN09 Caldwell North, KAN01 Argonia South, KAN13 South Haven SW, etc.

IDC 17 20:37:52.8, 28.0, 37.15N, 72.80E, h156km, 148km, mb3.4/3, mbtmp3.7/4, ML2.9/2, Error ellipse: s-maj=59.1km s-min=95.4km az=157.0

NINC 17 20:38:06.0, 3.6, 38.54N, 73.00E, h0km, mb4.2, mpv3.9, Error ellipse: s-maj=29.3km s-min=22.0km az=6.0

ISC 17 20:37:58.8, 2.2, 37.9N, 0.2, 72.6E, 0.1, h150km, n17, e153/13, mb3.8/3, 4C-1D, Tajikistan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AML Almayatshu, UCH Uchtor, EK52 Erkin-Say, etc.

IDC 17 20:39:49.9, 1.1, 6.56N, 126.97E, h0km, mb3.6/7, mbtmp3.8/8, ML4.6/1, MS3.1/1, Error ellipse: s-maj=30.1km s-min=12.4km az=44.0

NEIC 17 20:39:55.6, 6.2, 3.48N, 0.07, 126.5E, 0.1, h35km, 2km, mb4.4/1, Error ellipse: s-maj=20.8km s-min=7.3km az=60.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DAV Davao City W, DAV Davao City E, TNTI Ternate, etc.

17d 21h

NEIC 17 21:00:25.9;1.8, 24:19S;0:07:66.9W;0.1, h179km,7km, mb4.6/18, Error ellipse: s-maj=14.5km s-min=9.7km az=102.0

VAO 17 21:00:26.0;4.0, 24:13S;66:91W, h193km, mb4.3 SJA 17 21:00:26.0;0.8, 24:13S;66:94W, h205km, mb3, ML4.2, MW4.2

IDC 17 21:00:27.0;2.2, 24:07S;66:82W, h188km, 19km, mb3.6/7, mbmtp4.3/12, Error ellipse: s-maj=21.4km s-min=15.7km az=89.0

GUC 17 21:00:27.0;6.0, 24:15S;67:28W, h207km, 8km, ML4.8 ISC 17 21:00:26.0;6.2, 24:15S;0:04:66.9W;0.04, h191km, 6km, n151, r1949/163, mb4.2/3.6, Salta Province

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists various stations and their parameters.

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Table with columns: GO06, Iamb, Iamb, 21 04 02.9. Lists station names like FRTB Futura, ITRB Iturama, MAJ01 Sao Joao Batis, etc.

Table with columns: FLWY, IAML, 21 03 55.6. Lists station names like WFOY Wof Wof, YFT Old Faithful, YHH Holmes Hill, etc.

NEIC 17 21:01:36.9;1.2, 43:69N;0:05:105.37W;0.07, h0km, 1km, ML3.4/63, Error ellipse: s-maj=9.4km s-min=7.9km

IDC 17 21:01:39.0;1.4, 44:24N;105:95W, h0km, mb4.3/2, mbmtp4.0/5, ML3.7/3, Error ellipse: s-maj=57.7km s-min=7.5km az=145.0

ISC 17 21:01:37.6;1.0, 43:79N;0:07:105.25W;0.07, h0km, n45, c077/45, Wyoming

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like RSSD Black Hills, N23A Red Feather L, N23A N23A, etc.

IDC 17 21:08:02.0;3.7, 2:16S;150:41E, h0km, mb3.9/2, mbmtp4.0/2, MS3.5/3, Error ellipse: s-maj=151.7km s-min=48.0km az=114.0, New Ireland region

IDC 17 21:29:13.2;1.4, 7:35S;128:85E, h148km, 12km, mb4.1/22, mbmtp4.5/24, MS3.3/4, Error ellipse: s-maj=14.1km s-min=8.6km az=63.0

DJA 17 21:29:13.3;0.2, 8:9S;2:12:9E, h145km, 3km, MS.0/40, MS3.5/16, mb4.9/40, MLv5.2/18, Mwvmb4.9/16

NEIC 17 21:29:13.4;1.9, 7:43S;0:08:128.91E;0.07, h149km, 5km, mb4.8/53, Error ellipse: s-maj=11.3km s-min=10.1km az=193.0

ISC 17 21:29:12.8;0.3, 7:40S;130:44E;128.92E;0.04, h150km, n233, c152/24, mb4.6/53, 2C-2D, Banda Sea

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

Table of astronomical observations for 1117, listing station names (e.g., WBO, WAB, WRA), station coordinates, observation times, and various parameters like SNR and position angles.

Table of astronomical observations for 2018 DEC, listing station names (e.g., HHC, HHC, HHC), station coordinates, observation times, and various parameters like SNR and position angles.

Table of astronomical observations for 17d 21h, listing station names (e.g., PDAR, RSSD, FRB), station coordinates, observation times, and various parameters like SNR and position angles.

17d 22h

Table with columns: KHU, Kahuku, comp=N, 479nm, 0.5s, 0.34 253, IAML, 21 45 51.3, etc.

IDC 17 22:59:30.1±18.0, 35°20'N-71°36'E, h271km, 179km, mb2.8/2, mbtmp3.2/4, 2C-1D, Error ellipse: s-maj=280.2km s-min=69.5km az=137.0, Pakistan

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

SJA 17 22:01:07.6-0.7, 24°70'S-68°1'W, h156km, 5km, ML4.0, MW4.0

NEIC 17 22:01:07.8±2.8, 24°74'S-0°06'68"OW:0.1, h123km, 8km, mb4.4/12, Error ellipse: s-maj=13.4km s-min=8.2km az=97.0

IDC 17 22:01:08.7-3.8, 24°60'S-67°85'W, h111km, 29km, mb3.7/5, mbtmp4.1/8, Error ellipse: s-maj=37.8km s-min=22.0km az=61.0

VAO 17 22:01:08.8-0.9, 24°56'S-67°93'W, h119km, 6km, mb4.1, GU 17 22:01:10.0-0.6, 24°54'S-67°10'W, h130km, 9km, mb4.3

ISC 17 22:01:08.5-0.4, 24°66'S-0°03'68"OW:0.4, h129km, 4km, n132, s162/151, mb4.2/6, 1C-5D, Chile-Argentina border region

Main table for the left column containing station data for various codes like GO02, AF01, PB15, etc.

2018 DEC

Main table for the middle column containing station data for various codes like AACL, LCO, LCO, LCO, etc.

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Main table for the right column containing station data for various codes like PLIB, NE77, La Primavera, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes entries like COVE Coope Vega, Sa, TRTZ Tortugero, MORN AI O del Volca, CARN Rivas, SOCE Pocosol, SOCE Pocosol, SOCE Pocosol, SAIC Isla e San And, LIMN Finca el Limon, RCPN Sur Rio San Ju, MACN El Madrono, RCFN AI S de San Ju, PRVC Isla de Provid, etc.

IDC 17 23:00:06.9.0.8, 0.43S, 125.84E, h0km, mb3.9/9, mbmp4.0/9, MS2.9/1, Error ellipse: s-maj=87.9km s-min=15.8km az=68.0

DJA 17 23:00:14.6.0.4, 0.1S, 2.12E, h53km, 28km, M4, 1/12, MLv4, 1/12

NEIC 17 23:00:14.8.0.8, 0.36S, 0.09, 126.14E, 0.07, h57km, 11km, mb4, 1/12, Error ellipse: s-maj=13.0km s-min=9.7km az=166.0

ISC 17 23:00:13.0.0.6, 0.35S, 0.05, 126.08E, 0.05, h42km, n39, a132/41, mb4.1/14, Southern Molucca Sea

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes entries like SANI Sanana, TINTI Ternate, KMSI Cibinong, NLAJ Namlea, LUWI Luwuk, MSAI Masohi, APSI Ampana, KDI Kendari, TOLIZ Tolitoli, FAKI Fak Fak, KAPI Kappang, MTN Manton Dam, FITZ Fitzroy Crossi, WB0 Warramunga Arr, WRAB Tennant Creek, WRA Warramunga Arr, WB2 Warramunga Arr, COEN Coen, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, STKA Stephens Creek, KSRS Korea Arr, SONMI Songino Arr, MK31 Makanchi Arr, MKAR Makanchi Arr, MKAR Makanchi Arr, MAZ Makanchi, KDJ Kajisay, ZALV Zalesovo Beam, KURBB Kurchatov Arr, KURK Kurchatov, BVAR Borovoye Arr, BRVK Borovoye, ABKAR Akbulak array, ABKAR Akbulak array, etc.

OTT 17 23:03:08.8.0.6, 58.94N, 60.10W, h18km, ML3.7/6, 194km northeast from Nutak, NI LalbertaRADOR Sea Seismic Zone, Labrador Sea

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes entries like NANL Nain, SCHO Schefferville, FRB Froisher Bay, BJBO Baie Johan-Bee, BJBO Baie Johan-Bee, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes entries like LG4Q La Grande 4, PMAQ Port Menier, SMO Clarke City, DRLN Deer Lake, ICQ Pointe Anguin, etc.

IDC 17 23:20:30.9.1.2, 56.18N, 149.61W, h0km, mb3.7/7, mbmp3.6/10, ML3.2/3, MS3.4/8, Error ellipse: s-maj=31.5km s-min=17.8km az=42.0

NEIC 17 23:20:30.3.1.9, 56.21N, 149.39W, 0.05, h10km, 2km, ML3.7/6, ML3.4(AE/C), Error ellipse: s-maj=15.1km s-min=3.1km az=194.0

AEIC 17 23:20:32.1.1.6, 56.15N, 149.01W, 0.1, h1km, 7km, Error ellipse: s-maj=12.9km s-min=8.8km az=172.0

ISC 17 23:20:32.4.0.9, 56.35N, 149.45W, 0.06, h10km, n65, a129/57, mb3.7/7, MS3.4/5, Gulf of Alaska

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes entries like KDAK Kodiak Island, KDAK Kodiak Island, OHAK Old Harbor, OHAK Shuyak Island, CNPM China Poot, CNPM China Poot, Q19K Cape Douglas, Q19K Bradley Lake S, BRSE Bradley Lake S, Q23K Middleton Is, Q23K Middleton Is, BRLL Bradley Lake, BRLL Bradley Lake, ACHA Angle Creek He, SEW Seward, P19K Oil Pt, ILSW liamna Sound, ILSW Skilak Lake, SLKM Skilak Lake, P18K Big Mountain, P18K Port Weller, P18K Port Weller, O18K Port Aulsworth, O18K Kulk Hills, O18K Kulk Hills, FID Port Fidalgo, FID Port Fidalgo, CHGM Chinigait, PMR Palmer, STLK Strandline Lak, N25K Chitina, Valde, M24K Tolsona, Glenn, MENT Mentasta, BCAR Beaver Creek A, SKAG Skagway, S32K Killisnoo, O30N Mendenhall, IL31 Eielson Array, ILAR Eielson Array, ILAR Eielson Array, I23K Minto, Yukon-K, P32M Alton, US3K Whale Pass, EGAK Eagle, N32M Quiet Lake, IMAR Indian Moutain, DLBC Dease Lake, BMAR Burnt Mountain, E25K Arctic Village, TOLK Toolik Lake Re, G31M Satah River, BBB Bella Bella, INK Inuvik, YKA Yellowknife Arr, NVAR Mina Array Bea, PETK Petrolovski, ULM Lac du Bonnet, TXAR Lajitas Array, TKL Tuckaleechee C, H1N2 WAKE ISLAND Hy, H1N3 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, H1S1 WAKE ISLAND Hy, H1S2 WAKE ISLAND Hy, H1S3 WAKE ISLAND Hy, KSRS Korea Array, SONMI Songino Array, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes entries like ZALV Zalesovo Beam, FINES FINESS Array B, ARTI Kurchatov Arr, KURBB Kurchatov Arr, AKASG Malin Array Be, etc.

IDC 17 23:30:26.9.1.1, 0.36N, 71.02E, h127km, 103km, mb3.4/6, mbmp3.8/9, ML3.0/3, Error ellipse: s-maj=60.5km s-min=29.2km az=28.0

NNC 17 23:30:27.3.5.7, 37.07N, 70.03E, h0km, mb4.2, mpv3.9, Error ellipse: s-maj=47.0km s-min=16.1km az=163.0

NEIC 17 23:30:29.2.1.0, 36.57N, 0.02, 70.90E, 0.09, h153km, 12km, ML2.0/3, Error ellipse: s-maj=10.0km s-min=2.8km az=99.0

ISC 17 23:30:27.9.0.7, 36.51N, 0.05, 71.00E, 0.05, h140km, 9km, n46, a203/63, mb3.7/6, 4C-2D, Hindu Kush region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes entries like KBL Kabul, KBL Kabul, GAR Garm, CHGR Chuyangaron, SIMJ Simiganj, DRK Karamyk, NIL Nilore, BTK Batken, BTK Arslanbob, AML Almayashu, DHRM DHARAMSHALA, DHRM DHARM, DHRM DHARM, NRN Naryn, EK2E Erkin-Say, KK31 Karatay Array, KK31 Karatay Array, KK31 Karatay Array, KKAR Karatay Array, KKAR Karatay Array, AAK Ala-Archa, AAK Ala-Archa, BHK Bhakra, BRU Bishkek, CHUM Chumyush, CHMS Chumyush, TKM2 Tokmak 2, TKM2 Tokmak 2, TKM2 Tokmak 2, KDJ Kajisay, SMLA Simala, SMLA Simala, HRA Herat, PRZ Przewalsk, KUDL Kunduz, KUDL Kunduz, KUDL Kunduz, LKGI Lohaghat, MK21 Makanchi Arr, MKAR Makanchi Arr, WMQ Urumqi, AB31 Akbulak array, ABKAR Akbulak array, KURBB Kurchatov Arr, BVAR Borovoye Arr, ZAAO Zalesovo Array, ZAAO Zalesovo Array, ZALV Zalesovo Beam, HHC Hu-ho-hao-te, HHC Hu-ho-hao-te, FINES FINESS Array B, ARCAS ARCESS Array B, HFS Hagfors, TORD Torodi Arr, WRA Warramunga Arr, etc.

IDC 17 23:52:58.6.2.9, 34.53N, 32.84E, h0km, mb3.4/5, mbmp3.4/8, ML3.5/3, Error ellipse: s-maj=60.1km s-min=20.5km az=47.0

ISK 17 23:53:02.6.3, 34.61N, 33.03E, h12km, ML3.5/17, NIC 17 23:53:02.6.3, 34.71N, 33.05E, h2km, 31km, M13, 1/8

NEIC 17 23:53:02.4.1.5, 34.66N, 0.02, 33.02E, 0.04, h10km, 2km, ML3.4/20, Error ellipse: s-maj=6.4km s-min=3.2km az=67.0

GII 17 23:53:03.9.0.5, 34.59N, 33.04E, h8km, Md3.0/7, MWS3.0/14, confirmed

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes entries like GRAL 17 23:53:03.9.0.3, 34.62N, 32.89E, h7km, 2km, MD3.4, AFAD 17 23:53:09.7.0.0, 35.30N, 33.08E, h13km, 1km, MW3.8, ISC 17 23:53:02.0.2.0, 8.3455N, 0.02, 33.05E, 0.02, h14km, 5km, n130, a096/171, mb3.5/4, 1C-3D, Cyprus region

18 0h

Table of astronomical observations for 18 0h, listing station names (e.g., APOL, ASGA), object names (e.g., The Sanctuary, Troodos), and various parameters like magnitude, position angle, and distance.

2018 DEC

Table of astronomical observations for 2018 DEC, listing station names (e.g., HYGV, AKUM, IZRL), object names (e.g., Hayogev, Antalya-Kumluca), and various parameters like magnitude, position angle, and distance.

1120

Table of astronomical observations for 1120, listing station names (e.g., KURBB, BVAR, JYNG), object names (e.g., Kurchatov Arra, Borovoye Array), and various parameters like magnitude, position angle, and distance.

Table with columns for station name, time, and other seismic data. Includes stations like USAOB, USRK, MYLDM, etc.

Table with columns for station name, time, and other seismic data. Includes stations like AS31, ASAR, SONMI, etc.

Table with columns for station name, time, and other seismic data. Includes stations like PKME, F64A, WVL, etc.

Table with columns for station name, time, and other seismic data. Includes stations like BCLQ, Boischatel, A16A, etc.

Table with columns for station name, time, and other seismic data. Includes stations like MSVF, FUTU, NIUE, etc.

Table with columns for station name, time, and other seismic data. Includes stations like BLYC, SNAAS, SNAAS, etc.

Summary text at the bottom right of the page, including dates and station names like IDC 18 00:37:31.6, etc.

Table listing stations with columns for call sign, name, coordinates, and status. Includes stations like Raciborz, Ostrava-Krasne, Liptovska Anna, Moravsky Berou, and many others.

Table listing stations under various headings: FINES FINESS Array B, RSPR 18 00:55:10.8, NEIC 18 00:56:07.7, OSPL 18 00:56:09.0, ISC 18 06:06.6, and SOME 18 01:13:02.3. Includes station codes, names, and coordinates.

Table listing stations with columns for call sign, name, coordinates, and status. Includes stations like SATY, BLB Baldybasty, KURS Kuram, TDK Talydyqorghan, and many others.

1123

Table with columns for station callsign, name, frequency, and status. Stations include BNK, TIA, HNS, HYS, XLT, LUWI, PETK, HHC, XAN, PMG, ZEA, CD2, MA2, LZH, SLVN, COEN, PZH, ULN, SONM, YAK, GTA, KNRA, CMAR, CTAO, MOY, WRB, WR0, WRA, ASAR, EIDS, DZM, WMQ, ZAAO, ZALV, ZALV, ZALV.

2018 DEC

Table with columns for station callsign, name, frequency, and status. Stations include ZALV, MKK1, MKK1, MKAR, MKAR, MAZK, MAZK, STKA, STKA, STKA, FORT, KDAD, KURK, KURK, NRIK, NRIK, NRIK, NRIK, KURB, KURB, IMAR, IMAR, KSH, KSH, AAK, AAK, TOLK, TOLK, IL31, IL31, ILAR, ILAR, D2AK, D2AK, E2SK, E2SK, BMAR, BMAR, NIL, NIL, NIL, NIL, BVAR, BVAR, BRVK, BRVK, BRVK, BRVK, BCAR, BCAR, BKAT, BKAT, GARM, GARM, CHGR, CHGR, SIMJ, SIMJ, KBL, KBL, G31M, G31M, INK, INK, ARTI, ARTI, ARTI, ARTI, ABKAR, ABKAR, BHW, BHW, HRA, HRA, KIRV, KIRV, KIRV, KIRV, PPT2, PPT2, PPT2, PPT2, ARCES, ARCES, ARCES, ARCES, MAK, MAK, MAK, MAK, MAK, MAK, MAK, MAK, MAK, MAK.

18d 1h

Table with columns for station callsign, name, frequency, and status. Stations include MAK, MAK, VRRH, VRRH, LPSR, LPSR, VORR, VORR, TAOE, TAOE, VSR, VSR, VORD, VORD, NCK, NCK, KBZ, KBZ, KBZ, KBZ, NVAR, NVAR, KIV, KIV, KIV, KIV, FINES, FINES, FINES, FINES, SOC, SOC, SOC, SOC, SOC, SOC, FFC, FFC, FFC, FFC, GURO, GURO, MNK, MNK, MNK, MNK, MNK, MNK, AKASO, AKASO, AKASO, AKASO, HFS, HFS, NOA, NOA, NOA, NOA, RAYN, RAYN, RAYN, RAYN, FRB, FRB, BR131, BR131, BRTR, BRTR, BRTR, BRTR, BURAR, BURAR, VBRAC, VBRAC, CBKS, CBKS, CBKS, CBKS, ARG, ARG, ARG, ARG, KARP, KARP, DAVOX, DAVOX, SCTE, SCTE, TORD, TORD, BAUV, BAUV, PLCA, PLCA, LPAZ, LPAZ, SAMH, SAMH, PCA, PCA, PCA, PCA, O28M, O28M, O28M, O28M, LOGN, LOGN, LOGN, LOGN, CTGN, CTGN, CTGN, CTGN, CTG, CTG.

18d 2h

Table with columns: ID, Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z. Includes entries like F31M Tsighehtich, POKR Poker Plat Res, G31M Satah River, etc.

2018 DEC

Table with columns: ID, Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z. Includes entries like SKT Skwentna, KLU Klutina, M22K Willow, etc.

1126

Table with columns: ID, Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z. Includes entries like BILL Bilibino, BBB Bella Bella, FFC Fin Flon, etc.

NEIC 18 03:10:36.6.0.7, 69.63N, 0.04:144.6W, 0.1, h17km, 6km, Error ellipse: s-maj=9.4km s-min=1.9km az=48.0

AEIC 18 03:10:36.4.1.0, 69.58N, 0.02:144.7W, 0.1, h8km, 4km, ML3.3, ML3.5/5.4(NEIC), Error ellipse: s-maj=5.8km s-min=1.9km az=58.0

ISC 18 03:10:36.4.1.2, 69.58N, 0.05:144.84W, 0.04, h8km, 14km, n62, c0578/67, Northern Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations including Camden Bay, Franklin Bluff, Happy Valley, Arctic Village, Sheenjek River, Toonik Lake, Christian River, Ikkilik River, Burnt Mountain, Nanushuk River, Squaw Lake, Old Crow, Doyon Strip, Bananza Creek, Alatina River, Porcupine Dome, Coal Creek, Eagle Plains, Poker Flat, Tsigitchic, Satah River, Minto, Yukon-K, Redstone, Eagle, Clear Creek, Purcell Mountain, Roundabout, Beaver Creek, Mentasta, L29M.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations: GPCR Guaynabo City, HUMP Col San Antoni, PDRP Patillas Dam, CELP Cerrillos, OBIP Obisapo Ponce, UUPR Utuado, UUPR Utuado, AOPR Arecibo Observ, AOPR Arecibo Observ.

IDC 18 03:20:57.0.8.26, 81S, 113.56W, h0km, mb4.2/7, mbmp4.2/7, MS3.7/12, Error ellipse: s-maj=47.6km s-min=22.7km az=81.0

ISC 18 03:20:59.7.0.9, 26.8S, 0.2x113.5W, 0.3, h12km, n33, c113/14, mb4.2/7, MS3.7/12, Easter Island region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations: H03N2 Juan Fernandez, H03N3 Juan Fernandez, H03N1 Juan Fernandez, PPT Papete, PLCA Paso Flores, PLCA Paso Flores, ATAH Atahualpa, RAR Rarotonga, LPZ La Paz, CPUP Villa Florida, SDV Santo Domingo, TXAR Lajatico, URZ Urewera, QSPA South Pole Qui, SJG San Juan, NVAR Mina Array Bea, PDAR Pinedale Array, DZM Mont Dzumac, NEW Newport, ULM Lac du Bonnet, MAW Mawson, YKA Yellowknife Ar, H1S2 WAKE ISLAND Hy, H1S1 WAKE ISLAND Hy, H1S3 WAKE ISLAND Hy, H01W1 Cape Leeuwin H, H01W2 Cape Leeuwin H, H01W3 Cape Leeuwin H, SONM Songoing Array, CMAR Chiang Mai Arr, ZALV Zalesovo Beam, BRTR Keskin Array B, BVAR Borovoye Array, BVAR Borovoye Array, KURBB Kuramb, KURBB Kuramb, ATH 18 03:34:53.0, 37.55N, 20.71E, h10km, 2km, ML2.4/6, Error ellipse: s-maj=3.4km s-min=2.4km az=38.0

THE 18 03:34:53.1, 37.58N, 20.69E, h7km, 1km, ML2.3/6, Error ellipse: s-maj=2.1km s-min=0.5km az=62.0

ISC 18 03:34:53.1-1.2, 37.59N, 0.04:20.71E, 0.04, h12km, 6km, n52, c0617/5, Ionian Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations: LTHK Lithakia, LTHK Lithakia, LTHK Lithakia, LTHK Lithakia, LTHK Lithakia, KYPS Kipseli, KYPS Kipseli, ORTH Orthonies, ORTH Orthonies, CLEM Kyllini, CLEM Kyllini, RTZL Ratzakli, VLS Valsamata, VLS Valsamata, VLS Valsamata, VLS Valsamata, SMHA Samh, SMHA Samh, RLS Rioliol of Patr, RLS Rioliol of Patr.

Table with columns: RLS, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations: comp=E,358um,0.4s, RLS Rioliol of Patr, comp=N,527um,0.3s, RLS Artemida-Makis, AMT Artemida-Makis, AMT Artemida-Makis, AMT Artemida-Makis, DRO Drossia, FSK Fiskardo, FSK Fiskardo, FSK Fiskardo, EVGI Lefkada island, EVGI Lefkada island, EVGI Lefkada island, EVGI Lefkada island, ITM Ithomi, ITM Ithomi, PYL PYLOS, PYL PYLOS, NYDR Nydri-Lefkada, NYDR Nydri-Lefkada, NYDR Nydri-Lefkada, NYDR Nydri-Lefkada, KALE Kalithea, KALE Kalithea, KALE Kalithea, EVR Evrythra, MTR Tetrakono, MTR Makrakomi, THL Klokotos Trika.

WEL 18 03:47:44.8.0.9, 35S, 6x18'0W, 1'2, h12km, M3.8/11, mb4.6/1, ML4.1/18, ML3.8/11, Mw(MB)3.8/11, Error ellipse: s-maj=16.1km s-min=6.5km az=108.7, confirmed, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations: MXZ Matakaoa Point, MXZ Matakaoa Point, WMGZ Waionatati S, WMGZ Waionatati S, PKGZ Pakihiroa, HAZ Te Kaha, HAZ Te Kaha, PUZ Puketiti, PUZ Puketiti, WIZ White Island, WIZ White Island, TWGZ Taungatarepare, TWGZ Taungatarepare, CNGZ Carnagh Statio, CNGZ Carnagh Statio, TKGZ Te Karaka, OPRZ Ohinepanea, URZ Urewera, URZ Urewera, PRGZ Paritu Road, PRGZ Paritu Road, SNGZ Shannon Statio, SNGZ Shannon Statio, MUGZ Murupara, MUGZ Murupara, KNZ Kokohu, MKAZ Moumakai, RAHZ Aarahi, RAHZ Aarahi, MTHZ Maungataniwha, MTHZ Maungataniwha, BKZ Black Stump Fm, BKZ Black Stump Fm, OUZ Omahuta, KAHZ Kahurangi, NGZ Ngaruhoe, RIZ Raoul Island, RIZ Raoul Island.

IDC 18 03:54:55.9.4.2, 36.55S, 177.75E, h146km, 26km, mb3.7/3, mbmp4.1/3, MS3.4/1, Error ellipse: s-maj=59.1km s-min=22.4km az=48.0

NOU 18 03:54:56.8, 37.00S, 177.64E, h190km, MLV3.8/16, Off E. Coast of N. Island, N.Z.

NEIC 18 03:54:59.4.1.4, 37.3S, 0.1x177.8E, 0.1, h189km, 8km, mb4.3/5, Error ellipse: s-maj=20.0km s-min=14.1km az=196.0

WEL 18 03:55:00.2.0.6, 37S, 4x17'8E, 1, h154km, 5km, M3.4/40, MLV3.4/40, Error ellipse: s-maj=6.1km s-min=4.0km az=47.2, confirmed

ISC 18 03:54:58.7.0.6, 36.99S, 0.05:177.55E, 0.05, h188km, 5km, n189, r153/215, mb4.0/6, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations: WSRZ White Island S, WIZ White Island, WIZ White Island, HAZ Te Kaha, MXZ Matakaoa Point, MXZ Matakaoa Point, MXZ Matakaoa Point, MXZ Matakaoa Point, MXZ Matakaoa Point, MYRZ Mayor Island, OPRZ Ohinepanea, MARZ Manawhaha, MARZ Manawhaha, PUZ Puketiti, PUZ Puketiti.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like TWGZ, TGRZ, EDJR, URZ, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like QRZ, QRTZ, BSWZ, MTRZ, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like WRAB, WRA, WBA, WBB, etc.

NEIC 18 03:55:36.7z 1.5, 14:87S:0:09g:72:2W:0:2, h95km, 11km, mb4.0/8, Error ellipse: s-maj=22.4km s-min=12.4km az=64.0

IDC 03:55:40.2z 1.3, 14:68S:71:83W, h117km, 15km, mb3.5/4, mbmp3.9/8, Error ellipse: s-maj=29.3km s-min=11.0km az=24.0

ISC 18 03:55:39.2z 0.6, 14:89S:0:06g:17:96W:0:07, h124km, n43, r158/45, mb3.7/5, Central Peru

IDC 18 04:12:57.2z 2.0, 6:68S:129:31E, h0km, mb3.7/2, mbmp3.4/4, ML3.4/2, Error ellipse: s-maj=146.5km s-min=30.7km az=68.0, Banda Sea

NEIC 18 04:21:36.8z 3.0, 41:03N:0:02z:124:78W:0:04, h10km, 2km, NCEDC 18 04:21:40.2z 2.6, 40:34N:0:02z:124:55W:0:05, h16km, 8km, ML2.9/13, ML3.0/43(NEIC), Error ellipse: s-maj=5.9km s-min=2.7km az=100.0, Near coast of northern California

IDC 18 04:05:46.9z 0.9, 13:64N:121:08E, h116km, 4km, mb3.7/10, mbmp4.1/10, Error ellipse: s-maj=42.7km s-min=14.3km az=64.0

NEIC 18 04:05:52.0z 0.6, 13:7N:0:1x121:1E:0:1, h159km, 8km, mb4.2/21, Error ellipse: s-maj=19.1km s-min=13.2km az=125.0

ISC 18 04:04:47.0z 0.6, 13:6N:0:1x121:1E:0:2, h116km, n32, r85/34, mb4.2/20, Mindoro

Table with columns: LBFM, L04D, LGMM, LDDBM, O03E, LMEM, HATC, HATC, HATC, LRD, OGOM, OSUM, SUTB, SUTB, SUTB, OSTM, AFDM, ACFM, OCRM, HJGM, HSGM. Includes station names like Black Fox Moun, Klamath Falls, Garner Mountain, Digger Butte, Paynes Creek, Manzanita Etr, Hat Creek Radi, Hat Creek Radi, Redding Peak, Van Goodin Plan, Sutter Buttes, Sutter Butte, Stimpson Lane, Forest Hills D, O'Connell Ranc, San Juan Grade, Saint Francis.

CATAC 18 04:36:08.0±1.0, 12.97N:90.49W, h4km, 5km, ML3.3
SNET 18 04:36:09.0±0.8, 12.99N:90.43W, h17km, 7km, ML3.1
GCG 18 04:36:10.0±0.7, 13.02N:90.66W, h14km, 4km, MD3.5
ISC 18 04:36:06.2±2.4, 12.90N:0.10-90.50W, 0.05, h10km, 14km, n26, -0.671/43, Off coast of central America

Main table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Includes stations like Las Nubes, Cerro Verde, San Blas, Jayaque - finc, Alcaida de L, Lomas de Alarc, Universidad Ca, Boqeron, Fuego 3, Las Nubes, Las Pavas, Centro de Oper, Montecristo, Alcaidia de Sa, Esquipulas, Santiaguito 3, Kika Raxquin.

NEIC 18 04:42:53.0±0.9, 61.40N:0.02±150.02W:0.05, h2km, 5km, Error ellipse: s-maj=4.0km s-min=3.0km az=54.0
AEIC 18 04:42:53.2±0.9, 61.38N:0.03±150.05W:0.06, h3km, 1km, ML2.2, ML2.5/62(NEIC), Error ellipse: s-maj=4.3km s-min=4.2km az=140.0, Southern Alaska

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Includes stations like Fire Island, Rabbit Creek A, Susitna One, Willow, Palmer, Glory Hole Crs, Sida Toraja, Tandrapala, Long Quarter, Wichita Mounta, Smith Ranch, Leonard, Samnorwood, Rose Lookout.

Table with columns: 022K, SKT, SWL, PWT, CUT, SEW, SCM, SCM, M20K, M20K, BRLL, BRLL, BRLL, PPLA, FID, FID, FID, HOM, CNPM, CNPM, M24K, M24K, KLU, KLU, HIN, HIN, KTH, CAST, EYAK, MCK, N25K, BMRM, PAX, SVW2, SVW2, K20K, BPAW. Includes station names like Cooper Landing, Skwentna, Port Wells, Chulitna, Seward, Sheep Creek Mo, Glacier Island, Styx River, Bradley Lake, Purkeypile, Port Fidalgo, Homer, China Pool, Tolsona, Glenn, Klutina, Hinchinbrook I, Kantishna Hill, Castle Rocks, Cordova Ski Ar, McKinley, Chitina, Valde, Bremner River, Paxson, Sparrevohn, Telida, Bear Paw Mtn.

NEIC 18 04:52:38.8±0.8, 36.572N:0.009-98.20W:0.01, h7km, 2km, ML2.2/43, ML2.6/24, Error ellipse: s-maj=1.6km s-min=0.9km az=47.0
NEIC 18 04:52:38.9±0.8, 36.575N:0.01-98.21W:0.02, h12km, 6km, Error ellipse: s-maj=1.2km s-min=1.5km az=120.0, Oklahoma

Main table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Includes stations like Carrier, Grant County #, Manchester OK, West end E0370, Wayne, Caldwell West, Anthony NE Sta, South Haven SW, Caldwell North, Harper NE Stat, Blackwell, Liberty Lake, Bluff Creek, E0350 and S346, Brethren Rd, Battle Ridge R, Quay, Sooner Cattle, Franklin, Dewep, Tecumseh, Long Quarter, Wichita Mounta, Smith Ranch, Leonard, Samnorwood, Rose Lookout.

DJA 18 05:03:38.9±0.5, 3.3S:4.12°E, h10km, M3.6/7, MLV3.6/7, Sulawesi

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Includes stations like Sida Toraja, Tandrapala, Long Quarter, Wichita Mounta, Smith Ranch, Leonard, Samnorwood, Rose Lookout, Tana Toraja, Sida Toraja, Long Quarter, Wichita Mounta, Smith Ranch, Leonard, Samnorwood, Rose Lookout.

UPP 18 05:07:05.7±0.4, 61.57N:19.66E, h12km, 5km, ML2.2, Confirmed Earthquake
IDC 18 05:07:05.5±0.8, 61.50N:19.90E, h0km, mbtmp2.8/3, ML1.9/3, Error ellipse: s-maj=14.5km s-min=7.3km az=162.0
DNK 18 05:07:06.2±0.6, 61.57N:19.64E, h9km, 4km, ML2.2(UPP), Confirmed Earthquake
HEL 18 05:07:06.9±0.1, 61.56N:19.64E, h11km, ML2.1, ML2.2(UPP), Confirmed Earthquake
BER 18 05:07:07.4±3.5, 61.55N:19.56E, h0km, 6km, ML1.8, ML2.1(HIC), Confirmed Earthquake
ISC 18 05:07:03.8±1.1, 61.58N:0.02±19.76E:0.01, h6km, 9km, n85, -133/153, 60, Finland

Main table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Includes stations like Rauma, Kankaanpaa, Arnoeviken, Hudiksvall, Graesoe, Aland, Forsmark, Hassela, Husum, Umeaa, Keuruu, Nurmijarvi, Metsahovi, Finess Array S, Pernaja.

NEIC 18 05:30:51.2,0.7, 181.6N,0.1:68.10W,0.0:04, h97km,6km,
ML2.6/28, MD2.9/17(RSPR), Error ellipse: s-maj=19.8km
s-min=6.0km az=177.0

SDD 18 05:30:52.2,2.0, 18.46N,68.17W, h102km,18km, MD2.7,
ML2.5

ISC 18 05:30:51.5,2.0, 18.6N,0.1:68.10W,0.0:06, h93km,±13km,
n35, o556/49, 4C-1D, Mona Passage

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Punta Cana, Aguadilla, Las Mesas, etc.

Table with columns: LEM, LEM, LEM, LEM, LEM, etc. Includes stations like Lembang, Cibinong, Christmas Isla, etc.

ISCN 18 06:24:02.0,2.0, 34.22N,45.57E, h8km,±2km, ML2.8
TEH 18 06:24:03.2, 34.22N,45.62E, h12km,64km, ML2.9
ISC 18 06:24:03.0,9.3, 34.22N,0.0:45.63E,0.0:4, h10km, n12,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Ghass-e-Shirin, Ghazal, Bahad, etc.

UCR 18 06:27:14.6, 1.3, 10.60N,84.91W, h103km,±2km, MWV3.8
CATAC 18 06:27:16.7, 0.5, 10.55N,84.91W, h78km,6km, ML3.0
ISC 18 06:27:15.9, 1.4, 10.55N,0.0:48.90W,0.0:04, h98km,±7km,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like El Achiole, Laguna Cedeo, Conas Canas, etc.

IDC 18 05:37:02.6,2.2, 0.55N,126.58E, h0km, mb3.3/3,
mbtm3.4/3, Error ellipse: s-maj=187.3km
s-min=28.0km az=65.0, Northern Moluca Sea

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

DJA 18 06:21:14.2,0.3, 9°S, 4°11'E, h10km, M4.7/24, mb4.9/3,
mB5.1/1, MLv4.7/24, MW(B)4.4/1

NEIC 18 06:21:17.1, 2.3, 0.03S, 0.09, 111.14E, 0.0:08, h68km,9km,
MD2.3/17, Error ellipse: s-maj=14.2km s-min=9.1km
az=216.0

IDC 18 06:21:19.3,2.3, 8°73'S, 111.30'E, h84km,±20km, mb3.9/13,
mbtm4.3/18, MS3.2/14, Error ellipse: s-maj=29.5km
s-min=11.6km az=8.8

ISC 18 06:21:15.0, 5.9, 0.00S, 0.06, 111.16E, 0.0:05, h55km, n90,
o1663/79, mb4.3/20, MS3.3/11, Jawa

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Kuroka, Matushiro Arr, Mawson, etc.

MACN MACN comp=Z,68nm,1.0s BRU2 Volcan 2.79 129 eP Pn 06 27 58.3 -0.6

IDC 18 06:33:16.8±0.50142N:179.14W,h0km,mb3.1/3, mbtmp3.23, Error ellipse: s-maj=211.5km s-min=37.7km az=166.0

NEIC 18 06:33:21.6±1.1510N:0.2:179.5W:0.2,h10km,2km, mb3.8/14, Error ellipse: s-maj=35.1km s-min=13.2km az=153.0

ISC 18 06:33:24.1±1.8509N:0.3:179.4W:0.1,h35km,n29, o=72/31,mb3.6/7,Andreanof Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Kanaga Island, Adak, Great Sitkin T, etc.

NEIC 18 06:34:13.7±0.54032N:0.01:176.03W:0.01,h5km,1km, Error ellipse: s-maj=2.8km s-min=0.4km az=131.0

LDO 18 06:34:14.3±0.4033N:0.01:176.01W:0.01,h5km,1km, ML1.3/9,ML1.6/10(NEIC), Error ellipse: s-maj=2.8km s-min=2.0km az=17.0,Pennsylvania

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

IDC 18 06:42:58.9±1.42409N:125.64E,h0km,mb3.4/3, mbtmp3.5/4,ML3.1/1, Error ellipse: s-maj=45.7km s-min=26.8km az=80.0

JMA 18 06:42:59.4±0.2239N:0.7:125.8E:0.9,h34km,MV3.7/11, NEAR MIYAKOJIMA ISLAND

NIED 18 06:42:59.4,23.88N:125.81E,h34km,MW3.6,Moment Tensor Solution, s2 Moment tensor: Scale 10^14Nm; Mw=0.99, Ms=0.26, Mx=0.73, My=1.17, Mz=2.17; Mw=1.76; Fault plane solution: M2:2.98000x10^14 NPT:1.700000; 3.75.00000; 1.60.00000; NP2:264.00000; 833.00000; 1.453.00000

ISC 18 06:43:00.4±3.62405N:0.08:125.76E:0.06,h14km,24km, n13,o=98/19,mb3.5/3,Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Gusukube, Miyako jima3, Irabujima, etc.

IDC 18 06:52:03.1±2.0505S:140.80E,h0km,mb3.8/1, mbtmp3.6/3,ML3.6/2, Error ellipse: s-maj=193.9km s-min=33.9km az=111.0,Irian Jaya

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, etc.

IDC 18 07:03:04.4±0.9,13.57N:120.44E,h0km,mb3.9/6, mbtmp3.9/6,MS2.9/1, Error ellipse: s-maj=19.9km s-min=15.6km az=108.0

ISC 18 07:03:12.0±1.1,13.7N:0.1:120.7E:0.2,h70km,n7, o=154/8,mb4.0/6,Mindoro

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Tagaytay City, Alice Springs, Chiang Mai Arr, etc.

NEIC 18 07:07:24.1±1.2,61.51N:0.04:149.93W:0.07,h44km,7km, Error ellipse: s-maj=5.2km s-min=4.5km az=205.0

AEIC 18 07:07:23.6±2.1,61.45N:0.03:150.04W:0.05,h20km,6km, ML2.8,ML3.0/132(NEIC), Error ellipse: s-maj=4.0km s-min=3.5km az=153.0,Southern Alaska

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Willow, Fire Island, Susitna One, etc.

PMR Palmer 0.46 72 Pg IAML Pg 07 07 32.9 +0.0

PMR Palmer 0.46 72 P Pb 07 07 33.1 +0.2

PMR Palmer 0.46 72 P Pb 07 07 40.7 +5.7

GHO Palmer 0.62 58 P Pb 07 07 35.3 +0.4

GHO Palmer 0.62 58 IAML Pb 07 07 45.1 -0.1

GHO Palmer 0.62 58 IAML Pb 07 07 45.4 -0.1

GHO Palmer 0.62 58 IAML Pb 07 07 45.4 -0.1

GHO Palmer 0.62 58 IAML Pb 07 07 45.4 -0.1

GHO Palmer 0.62 58 IAML Pb 07 07 45.4 -0.1

GHO Palmer 0.62 58 IAML Pb 07 07 45.4 -0.1

GHO Palmer 0.62 58 IAML Pb 07 07 45.4 -0.1

GHO Palmer 0.62 58 IAML Pb 07 07 45.4 -0.1

GHO Palmer 0.62 58 IAML Pb 07 07 45.4 -0.1

GHO Palmer 0.62 58 IAML Pb 07 07 45.4 -0.1

GHO Palmer 0.62 58 IAML Pb 07 07 45.4 -0.1

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like M26K, M17K, M17K, etc.

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

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like IL31, J18K, J18K, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like I23K, I23K, I23K, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like J25K, J25K, J25K, etc.

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

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

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like I20K, M27K, M27K, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like K17K, K17K, K17K, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like K17K, K17K, K17K, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like H21K, H24K, H24K, etc.

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

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like I26K, I26K, I26K, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like H19K, H19K, H19K, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like G24K, G24K, G24K, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like K15K, G16K, F21K, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like L14K, KUKA, F20K, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like N30M, K29M, K29M, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like P19K, BMAR, J14K, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like F26K, E19K, E25K, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like F17K, TOLK, F28M, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like F31M, F31M, F31M, etc.

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

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

18D 10h

SJCC San Jacinto, C 3.07 72 P Pn 09 30 03.0 +0.7
SJCC S Sn 09 30 37.5 -2.0

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like ZALV, ZALV, ZALV, KURBB, KURBB, MKAR, MKAR, MKAR, BVAR, BVAR.

NAO 18 09:48:54.3, 36.77N, 23.37E, h33km, mb3.7
IDC 18 09:48:57.4, 1.1, 37.29N, 20.81E, h0km, mb3.8/11,
mbmp3.7/15, ML2.0/3, MS3.0/1, Error ellipse:
s-maj=21.6km s-min=18.3km az=9.0

ATH 18 09:48:57.8, 37.13N, 20.49E, h10km, 5km, ML3.7/11,
Manual Solution by A.Moschou First location: 2018/12/18
09:49:33, This location: 2019/01/24 12:57:18 ML
Amplitudes are expressed in micrometers. All distances
are expressed in degrees Latitude uncertainty: 5 km;
Longitude uncertainty: 7 km

THE 18 09:48:59.5, 37.21N, 20.62E, h2km, ML3.4/7, Error ellipse:
s-maj=1.8km s-min=0.6km az=61.0
ISC 18 09:48:59.7, 1.4, 37.21N, 20.62E, h15km, 8km,
n46, e0.95/67, mb3.8/11, Ionian Sea

Main table for 18D 10h section with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like LTHK, LTHK, LTHK, KYPS, KYPS, ORTH, ORTH, CLEM, CLEM, RTZL, RTZL, AMT, AMT, PYL, PYL, PYL, PYL, VLS, VLS, VLS, VLS, ITM, ITM, RLS, RLS, FSK, FSK, EVGI, EVGI, EVGI, EVGI, KLV, KLV, NYDR, NYDR, NYDR, NYDR, NYDR, NYDR, NYDR, NYDR, LK2D, LK2D, TSKL, TSKL, OHR, OHR, IDI, IDI, VAY, VAY, PEHC, PEHC, VAE, VAE, MLR, MLR, BRTR, BRTR, AKASG, AKASG, GNI, GNI, HFS, HFS, EKA, EKA, FINES, FINES, NB2, NB2, NOA, NOA, TORD, TORD, ARCES, ARCES, BVAR, BVAR, KURBB, KURBB, MKAR, MKAR, ZALV, ZALV, YKA, YKA.

IDC 18 09:51:34.9, 2.0, 2.09N, 127.90E, h0km, mb3.3/4,
mbmp3.3/4, Error ellipse: s-maj=169.2km s-min=22.3km
az=68.0
DJA 18 09:51:38.2, 1.2, 2.14N, 12.91E, h10km, M4.0/6, mb4.3/3,

2018 DEC

MLV3.9/6
ISC 18 09:51:43.6, 1.3, 2.1N, 0.1, 128.7E, 0.1, h92km, n8, e2.9/8/6,
mb3.3/4, Halmahera

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like TNTI, SWI, MSAI, FAKI, WRA, ASAR, MKAR, KURBB.

NEIC 18 09:52:50.9, 1.0, 61.48N, 0.03, 150.01W, 0.05, h48km, 5km,
Error ellipse: s-maj=3.7km s-min=3.2km az=178.0
AEIC 18 09:52:51.5, 1.2, 61.45N, 0.02, 150.03W, 0.04, h35km, 7km,
ML2.7, ML2.9/160(NEIC), Error ellipse: s-maj=2.9km
s-min=2.2km az=47.0, Southern Alaska

Main table for 2018 DEC section with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like M22K, M22K, FIS, FIS, FIS, FIS, SUA, SUA, SUA, SUA, RC01, RC01, RC01, PMR, PMR, PMR, GHO, GHO, GHO, KNK, KNK, KNK, STLK, STLK, STLK, CAPN, CAPN, SML, SML, SML, SKT, SKT, SKT, SKL, SKL, SKL, CUT, CUT, O22K, O22K, PWL, PWL, SCM, SCM, GCI, GCI, GLI, M20K, M20K, BRLL, BRLL, BRLL, FID, FID, FID, M24K, M24K, M24K, M24K, RND, RND, ILSW, ILSW, KTH, KTH, CAST, CAST, P19K, P19K, P19K, P19K, O19K, O19K, N25K, N25K, K20K, K20K, K20K, BPAW, BPAW, BPAW, BWN, BWN, RAGH, RAGH, H18K, H18K, GLB, GLB.

1136

Main table for 1136 section with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like GLB, SYI, SYI, Q19K, KAIM, KAIM, WRH, WRH, WRH, VRDI, VRDI, VRDI, L18K, L18K, BERG, BERG, HDA, HDA, RIDG, RIDG, RIDG, J20K, J20K, J20K, CCB, CCB, M26K, M26K, M26K, M17K, M17K, M17K, COLA, COLA, N17K, N17K, J19K, J19K, IL31, IL31, J18K, J18K, I23K, I23K, I23K, SNH, SNH, SNH, SCRR, SCRR, J25K, J25K, J25K, POKR, POKR, POKR, KDAK, KDAK, I20K, I20K, M27K, M27K, K17K, K17K, K17K, L27K, L27K, BCAR, BCAR, J26L, J26L, J26L, M16K, M16K, H21K, H21K, H21K, H24K, H24K, PRP, PRP, PRP, OHAK, OHAK, IMAR, IMAR, I26K, I26K, I26K, H19K, H19K, F20K, F20K, E19K, E19K.

SJA 18 10:00:52.9, 0.6, 21.95S, 67.13W, h180km, 14km, ML2.7,
MW2.9
SCB 18 10:00:55.4, 0.9, 21.91S, 67.24W, h181km, 10km, ML2.4/2,
Error ellipse: s-maj=6.8km s-min=3.1km az=0.0
ISC 18 10:00:55.1, 2.1, 21.87S, 0.06, 67.24W, 0.05,
h186km, 19km, n18, e1.93/25, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like MOCB, MOCB, MOCB, YJA, YJA, PB09, PB09, PB09, PB09, PB09, PB04, PB04, PB04, PB04, GO01, GO01, PATCX, PATCX, PATCX, HIMBC, HIMBC, HIMBC, AZAP, AZAP, AZAP, SOET, SOET, SOET, PB12, PB12, PB12.

18d 12h

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like SRHM Skhour des Reh, ECAB El Cabril, PVIS Viseu, etc.

IDC 18 11:38:33.0,3.4,5.45S,151.22E,h0km,mb3.1/2, mbtmp3.4/3,ML1.7/1,Error ellipse: s-maj=149.7km

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like PMGT Port Moresby, WRA Warramunga Arr, ASAR Alice Springs, etc.

NEIC 18 11:44:15.9,0.7,19.32N,0.01x155.199W,0.007, h12km,1km,Error ellipse: s-maj=1.7km s-min=0.7km

HVO 18 11:44:16.2,1.2,19.326N,0.010x155.196W,0.007, h7km,2km,ML3.5/45,ML3.5/46(NEIC),Error ellipse: s-maj=1.5km s-min=0.9km az=166.0,Horizontal

Large table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like PUH Pauahi, STCH Steam Cracks, KKO Keanakakoi, etc.

2018 DEC

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like HMM Humu'ula Sheep, KHU Kahuku, HPO Honoaipo, etc.

TAP 18 11:56:53.3,24.67N,122.48E,h123km,ML2.5,D JMA 18 11:56:53.9,0.2,25.1N,4.4,122.6E,0.9,h103km,3km, MV1.7,NW OFF ISHIGAKIJIMA IS

Large table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like E0S2 Eos2, YJNG Yonagunijimaku, E0S3 Eos3, etc.

1138

Large table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like JYAK Yakushimahirau, JYAK Yakushimahirau, JMTN Minamitanite, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include BFO Black Forest, FUORNI Otenpass-Fuorn, DAVOX Davos/Dischmat, etc.

ADC 18 12:08:42.8:2.2, 2.97S:138.99E, h0km, mb3.1/2, mbtmp3.1/3, ML3.1/1, Error ellipse: s-maj=61.0km s-min=27.8km az=128.0, Irian Jaya

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include JAY Jayapura, WRA Warramunga Arr, ASAR Alice Springs, etc.

ADC 18 12:12:33.2:1.3, 2.64S:138.64E, h0km, mb3.5/3, mbtmp3.6/5, ML3.7/2, Error ellipse: s-maj=29.0km s-min=25.1km az=139.0, Irian Jaya

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include JAY Jayapura, WRA Warramunga Arr, ASAR Alice Springs, etc.

ADC 18 12:13:08.0:4.4, 8.26S:125.77E, h258km, 47km, mb3.0/1, mbtmp3.6/5, Error ellipse: s-maj=80.1km s-min=18.6km az=55.0, Timor region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include BATI Baunata, FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

ADC 18 12:37:57.5:3.2, 31.49N:74.56E, h0km, mb3.5/3, mbtmp3.6/5, ML3.5/2, Error ellipse: s-maj=101.5km s-min=29.8km az=79.0, India-Pakistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include MKAR Makanchi Array, KURBB Kurchatov Arr, BVAR Borovoye Array, etc.

ADC 18 12:38:32.3:1.4, 16.39S:167.97E, h0km, mb4.1/4, mbtmp4.1/5, ML3.7/1, Error ellipse: s-maj=49.7km s-min=29.4km az=115.0, NOU 18 12:38:34.7, 16.57S:167.90E, h3km, MLV3.8/9, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include DVP Devils Point, KOUNC Koumanc, YATNC Mamie plateau, etc.

ILAR Eielson Array 87.92 18 P P 12 51 23.6 +1.7 0.7nm, 0.9s, baz=206, slow=5.1, SNR=5.4 0.7nm, 0.9s

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include NOU 18 12:48:34.7, 16.26S:168.158E, h5km, mb3.8/10, Vanuatu Islands, Vanuatu Islands

ADC 18 13:13:26.7:12.0, 5.84S:130.81E, h75km, 131km, mb2.9/1, mbtmp3.5/4, ML3.6/3, Error ellipse: s-maj=102.4km s-min=54.0km az=42.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include BNDI Bandanaira, DRK Fak Fak, DZM Dant Dzum, etc.

ADC 18 13:29:3.0:9, 6.32S:130.50E:0.1, h100km, n14, s=317/13, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include WRA Warramunga Arr, WRA Warramunga Arr, COEN Coen, etc.

NEIC 18 13:35:16.1:0.7, 19.33N:0.04:155.15W:0.01, h11km, 1km, Error ellipse: s-maj=5.3km s-min=1.2km az=163.0

HVO 18 13:35:16.2:0.6, 19.34N:0.02:155.13W:0.009, h5km, 3km, ML2.4/4, ML2.5/39(NEIC), Error ellipse: s-maj=2.9km s-min=0.8km az=156.0, Hawaiian Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include STCH Steam Cracks, KJNH Kane Nui o Ham, KJUZ Jacuzzi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include SANI Sanana, MSAL Masohi, LUWI Luwuk, etc.

KRNET 18 13:54:24.9:0.1, 39.30N:71.71E, h16km, mb3.3 SOME 18 13:54:26.7, 39.38N:71.67E, h10km

ADC 18 13:54:31.6:2.5, 39.41N:72.52E, h0km, mb3.3/1, mbtmp3.3/7, ML2.9/6, Error ellipse: s-maj=35.2km s-min=21.1km az=141.0

ADC 18 13:54:25.6:0.9, 39.33N:0.05:71.75E:0.03, h10km, n39, s=218/64, 20C-24D, Tajikistan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include DRK Karamyk, BTK Batken, GAR Garm, etc.

18D 14h

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Jayapura, Serui, Biak, etc.

18D 14:04:58.6,0.6, 19°21'N, 121°27'E, h0km, mb4.0/16, mblmp4.0/18, ML4, 1/3, MS3.6/18, Error ellipse: s-maj=22.1km s-min=13.6km az=78.0

NEIC 18 14:05:00.1,2.2, 19°23'N, 0°06'12.1, 2E:0.2, h10km, 1km, mb4.3/12, Error ellipse: s-maj=24.7km s-min=10.9km az=86.0

ISC 18 14:05:04.0,0.5, 19°24'N, 0°06'12.1, 10E:0.7, h39km, n72, 1872/59, mb4.1/19, MS3.6/15, 1D, Philippine Islands region

Table with columns: Code, Station Name, Frequency, Power, Mode, Phase ID, Time, Res, and other technical details. Includes stations like Beinan, Pinlang, Ta-pu, etc.

20H DEC

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Guam, Ussuriysk, Lembang, etc.

114Z

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Puketiti, Ohinepanea, Tahuroa Road, etc.

Table with columns: SWI, MBWA, VVDA, VVDA, CCD, TOLIZ, GSPA, QSPA, JNU, KSRS, PETK, BELA, USRK, MAW, NVAR, BNX, RPSI, HNS, HEH, BJI, TROLL, SNA, VNA3, VNA2, VNA1, B08A, PLID, XAN, HLID, TXAR, ANMO, HHC, PLCA, CMAR, CHTO, COLA, AHID, IL31, ILAR, BILL, PZH, PD31, PDAR, DRIO, SONM, YKA, ZALV, MKAR, MKAR, MKAR, BVAR, SPITS, ARCES, ARCES, FINES, FINES, NB2, NB2. Each row contains station name, frequency, power, and other technical details.

Table with columns: NOA, HFS, AKASG, AKASG, AKB, AK01, KIEV, AK04, AK09, SUW, M2B, RNP5, RNP5, LUBAR, BAL3X, SORM, NDU, KMPD, KMPD, EKA, BR13, BRTR, BRTR, BR104, BR10, BR105, MORS, STNU, KTV, TIA, TIA, RPSI, HNS, HEH, BJI, TROLL, SNA, VNA3, VNA2, VNA1, B08A, PLID, XAN, HLID, TXAR, ANMO, HHC, PLCA, CMAR, CHTO, COLA, AHID, IL31, ILAR, BILL, PZH, PD31, PDAR, DRIO, SONM, YKA, ZALV, MKAR, MKAR, MKAR, BVAR, SPITS, ARCES, ARCES, FINES, FINES, NB2, NB2. Each row contains station name, frequency, power, and other technical details.

Table with columns: WRAB, WB2, WRA, FITZ, AS31, ASAR, ASAR, KSRS, KSRS, CMAR, SONM, SONM, MKAR, MKAR, ZALV, KURBB, BVAR, ILAR, GSPA, KBZ, IDC, NEIC, ISC, Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Each row contains station name, frequency, power, and other technical details.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Gura Zlata, Buzias, Zavojo, Selova, Barje, Sarja.

IDC 18 14:30:58.5:1.6, 54.80N:161.84E, h0km, mb3.5/3, mltmp3.5/4, ML3.0/1, Error ellipse: s-maj=52.4km, s-min=24.0km az=150.0

KRSC 18 14:30:59.0:0.7, 54.41N:162.31E, h41km, mb3.5/3, M1.4, 1, Fell at kordon Kronoki.

IDC 18 14:30:58.2:1.9, 54.51N:0.05:162.19E:0.05, h5km, 12km, n41, -1:837/51, mb3.7/3, Near east coast of Kamchatka Peninsula

Main station list for IDC 18 14:30:58.2:1.9, 54.51N:0.05:162.19E:0.05, h5km, 12km, n41, -1:837/51, mb3.7/3. Includes stations like Tumrok, Bezymanni-Gr, Karymskiy, Kamnista, etc.

Station list for IDC 18 14:46:21.4:2.0, 19.75N:65.68W, h17km, 999km, MD3.5, ML2.5. Includes stations like Ruskaya, Mutnovok, GORELY, etc.

IDC 18 14:46:19.3:2.1, 19.4N:0.2:64.91W:0.04, h23km, n22, -0:862/28, 1C, Virgin Islands

Main station list for IDC 18 14:46:19.3:2.1, 19.4N:0.2:64.91W:0.04, h23km, n22, -0:862/28, 1C, Virgin Islands. Includes stations like Col San Antoni, San Antoni, Guaynabito, etc.

IDC 18 15:06:09.6:0.8, 22:32S:114:42W, h0km, mb3.9/6, mbtmp3.9/6, MS3.8/21, Error ellipse: s-maj=40.5km, s-min=23.7km az=81.0

NEIC 18 15:06:11.4:1.1, 22:1S:0.1:114:38W:0.10, h10km, 1km, mb4.5/9, Error ellipse: s-maj=27.9km s-min=8.2km az=209.0

ISC 18 15:06:11.1:0.8, 22:22S:0.1:114:42W:0.2, h10km, n50, -0:893/24, mb4.2/8, MS3.8/21, Easter Island region

Main station list for IDC 18 15:06:09.6:0.8, 22:32S:114:42W, h0km, mb3.9/6. Includes stations like Isla de Pascua, Rapa Nui, Juan Fernandez, etc.

Station list for IDC 18 15:18:46.9:2.4, 38:25N:141:89E, h63km, 18km, mb3.6/11, mltmp3.8/5, MS2.8/4, Error ellipse: s-maj=24.1km, s-min=11.6km az=108.0

Station list for IDC 18 15:18:45.7:1.1, 38:22N:0.05:141:81E:0.08, h50km, 85km, n59, +1:85/61, mb4.0/16, 15D, Near east coast of eastern Honshu

SOME 18 15:18:35.3:4.1, 57N:82:07E, h15km, NNC 18 15:18:35.5:1.9, 41:65N:82:12E, h0km, mb3.6, mpv3.3, 3C-1D, Error ellipse: s-maj=15.6km s-min=12.2km az=35.0, Southern Xinjiang

Main station list for IDC 18 15:18:46.9:2.4, 38:25N:141:89E, h63km, 18km, mb3.6/11. Includes stations like Ishinomakikobu, Ouri, Kesenuumamoto, etc.

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

Main station list for IDC 18 15:18:45.7:1.1, 38:22N:0.05:141:81E:0.08, h50km, 85km, n59, +1:85/61, mb4.0/16, 15D, Near east coast of eastern Honshu. Includes stations like KATSUKI, JIKH, JIO, etc.

Station list for IDC 18 15:18:45.7:1.1, 38:22N:0.05:141:81E:0.08, h50km, 85km, n59, +1:85/61, mb4.0/16, 15D, Near east coast of eastern Honshu. Includes stations like JJKM, JMK, etc.

Station list for IDC 18 15:18:45.7:1.1, 38:22N:0.05:141:81E:0.08, h50km, 85km, n59, +1:85/61, mb4.0/16, 15D, Near east coast of eastern Honshu. Includes stations like JJKM, JMK, etc.

Main station list for IDC 18 15:18:45.7:1.1, 38:22N:0.05:141:81E:0.08, h50km, 85km, n59, +1:85/61, mb4.0/16, 15D, Near east coast of eastern Honshu. Includes stations like OTAMA OYAMA, Tenmabayashi, Sado, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like ZALV Zalesovo Beam, MK31 Makanchi Array, and various other amateur radio stations.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like PCI Palu, APSI Ampana, and various other amateur radio stations.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, and various other amateur radio stations.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, and various other amateur radio stations.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, and various other amateur radio stations.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, and various other amateur radio stations.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, and various other amateur radio stations.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like CMAR Chiang Mai Arr, ABKAR Akbulak array, and various other amateur radio stations.

DCR 18 15:53:25.8, 3.6, 9.61'S, 114.68'E, h0km, mb3.3/3, mbmp3.5/4, ML3.7/1, Error ellipse: s-maj=219.2km s-min=26.5km az=47.0

DJA 18 15:53:31.0, 0.2, 8.3'S, 3.11*11*6E, h10km, M3.9/15, mb4.1/1, MLv3.7/15

ISC 18 15:53:31.1, 0.8, 8.38S, 0.09, 116.16E, 0.04, h10km, n17, s189/21, mb3.3/3, Sumbawa region

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like TWSI Taliwang, Sumb, and various other amateur radio stations.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, and various other amateur radio stations.

DRS 18 15:53:50.1, 43.27N, 45.23E, h9km MOS 18 15:53:51.7, 43.47N, 45.48E, h16km, MPVA3.8

TIF 18 15:53:51.0, 43.55N, 45.58E, h22km, 2km NORS 18 15:53:51.0, 43.55N, 45.58E, h22km, MPVA3.9

ISC 18 15:53:53.4, 1.5, 43.48N, 0.03, 45.47E, 0.02, h37km, 1km, n86, s39/49, 12C-1D, Eastern Caucasus

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like GROC Groznyy, TRKR Terskaya, and various other amateur radio stations.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like VLKR Vladikavkaz, PRTR Priterechnaya, and various other amateur radio stations.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like VLKR Vladikavkaz, PRTR Priterechnaya, and various other amateur radio stations.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like LSNR Lesken, CHRC Chargali, and various other amateur radio stations.

KBCT Kuba-Taba 1.53 283 ePg Pn 15 54 20.1 +1.9

KBCT Kuba-Taba 1.53 283 ePg Pn 15 54 20.1 +1.9

GNBR Gunib 1.55 134 ePg Sn 15 54 20.5 +2.0

GNBR Gunib 1.55 134 ePg Sn 15 54 21.1 +2.6

GNBR Gunib 1.55 134 ePg Sn 15 54 43.1 +5.7

MAK Makhachkala 1.58 108 ePg Pn 15 54 21.1 +2.3

MAK Makhachkala 1.58 108 ePg Pn 15 54 43.5

MAK comp=Z,139nm,0.7s smax smax

MAK comp=N,534nm,0.7s smax smax

MAK comp=N,451nm,0.6s smax smax

MAK comp=N,451nm,0.6s smax smax

MAK comp=N,451nm,0.6s smax smax

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MAK comp=N,451nm,0.6s smax smax

MAK comp=N,451nm,0.6s smax smax

Table with columns: SKY, Name, RA, Dec, Mag, P, S, B, etc. Includes entries like Skiros Island, Limnos Island, Ouranopolis, etc.

Table with columns: APE, Name, RA, Dec, Mag, P, S, B, etc. Includes entries like Apeiranthos, Rilos of Patr, BALKESIR, etc.

Table with columns: Code, Station Name, RA, Dec, Mag, P, S, B, etc. Includes entries like BNDI, AAI, MSAI, etc.

DJA 18 16:57:53.9 0.2 5.3 S: 12.9 E: h261km, 4km, M4.5/16,

NEIC 18 17:12:09.8 1.2 4.56N: 0.10: 122.6E: 0.1, h625km, 9km,

18d 17h

Table with columns for station name, frequency, polarization, and other technical details. Includes stations like PanZhiHua, PZH, PZH, AKTOS, etc.

2018 DEC

Table with columns for station name, frequency, polarization, and other technical details. Includes stations like PSI Prapat, OBN, OBN, OBN, etc.

1148

Table with columns for station name, frequency, polarization, and other technical details. Includes stations like OPO Ambohitrampoto, BORG, BORG, BORG, etc.

Table with columns: VCA, comp, E, J, m, 0.3s, Las Campanas, LCO, LCO1, LCO2, AC01, AC01, AC01, comp, E, J, m, 0.2s, CO01, CO01, CO01, CO05, CO05, CO05, CO04, CO04, CO03, CO03, CO06, CO06, PB14, PB14, ZON, ZON, PB15, PB15, VA03, VA03, PEL, PEL, VA01, VA01, MT02, MT02, MT08, MT08, MT05, MT05, MT16, MT16, MT03, MT03, MT13, MT13, LMEL, LMEL, MT09, MT09, VA05, VA05, MT01, MT01, BO04, BO04, PB09, PB09, BO01, BO01, BO02, BO02, GO01, GO01, BI02, BI02, PSAL, PSAL, CPUP, CPUP, CPUP, CPUP, LPAZ, LPAZ, LPAZ, LPAZ, TRQA, TRQA, PLCA, PLCA, BBSD, BBSD, AMBA, AMBA, SIV, SIV, PLTB, PLTB, AODB, AODB, AODB, AODB, ITAB, ITAB, ITAB, ITAB, PTGB, PTGB, RPRD, RPRD, LDASE, LDASE, SALV, SALV, ETMB, ETMB, ETMB, ETMB, FRTB, FRTB, SAML, SAML, PDRB, PDRB, CZSB, CZSB, ARAG, ARAG, GO08, GO08, SDBF, SDBF, NPGB, NPGB, MG03, MG03, JANB, JANB, HAITUBA, HAITUBA, SMTB, SMTB, HOPE, HOPE, SNAE, SNAE, SNAE, SNAE, SNAE, SNAE, TROLL, TROLL, QSPA, QSPA, QSPA, QSPA, BRDY, BRDY, TXAR, TXAR, LCAR, LCAR, FVM, FVM, CCM, CCM, R40A, R40A, P40A, P40A, Vnda, Vnda, DBIC, DBIC, DBIC, DBIC, PDAR, PDAR, PDAR, PDAR, TORO, TORO, TORO, TORO, NVAR, NVAR, BOSa, BOSa, ULM, ULM, YKA, YKA, ASAR, ASAR, WRA, WRA, WRA, WRA, BVAR, BVAR, KURBB, KURBB, KURBB, KURBB, AAK, AAK, AAK, AAK

Table with columns: AAK, comp, Z, 1.6nm, 0.5s, baz=326, slow=0.8, SNR=4.7, ZALV, ZALV, ZALV, MKAR, MKAR, IDC 18 18:12:33.4, m, 3.6, 6.97S, m, 3.6, 6.97S, m, 3.6, 6.97S, Code, Station Name, Az, Az, Op, Phase ID, Time Res, h, m, s, ISC, SAUI, SAUI, SAUI, SAUI, BNDI, BNDI, BNDI, BNDI, KMPI, KMPI, FAKI, FAKI, FAKI, FAKI, MSAL, MSAL, MSAL, MSAL, AAI, AAI, AAI, AAI, RKPI, RKPI, DRU, DRU, DRU, DRU, SANI, SANI, SANI, SANI, SOEI, SOEI, SOEI, SOEI, BATI, BATI, LOUEN, LOUEN, LOUEN, LOUEN, WRAI, WRAI, WRAI, WRAI, WRAI, WRAI, QIS, QIS, ASAR, ASAR, ASAR, ASAR, ASOI, ASOI, WRKA, WRKA, MKAR, MKAR, ZALV, ZALV, KURBB, KURBB, BVAR, BVAR, IDC 18 18:20:48.7, m, 1.6, 4.10N, 126.74E, h, 0km, m, 3.5/6, m, 3.5/6, m, 3.5/6, Code, Station Name, Az, Az, Op, Phase ID, Time Res, h, m, s, ISC, FITZ, FITZ, WRA, WRA, ASAR, ASAR, MKAR, MKAR, KURBB, KURBB, BVAR, BVAR, UCR 18 18:30:42.9, UPA 18 18:30:43.5, IDC 18 18:30:49.0, Code, Station Name, Az, Az, Op, Phase ID, Time Res, h, m, s, ISC, LPCC, LPCC, NELY, NELY, NELY, NELY, EDAD, EDAD, PTPM, PTPM, PTPJ, PTPJ, PJME, PJME, VITO, VITO, MLIR3, MLIR3, MLIR3, MLIR3, BRU2, BRU2, BRU2, BRU2, DVID, DVID, DVID, DVID, PTRAR3, PTRAR3, PTRAR3, PTRAR3, PEDES, PEDES, PEDES, PEDES, LCO03, LCO03, LCO03, LCO03, EDP2, EDP2, LOMA3, LOMA3, LOMA3, LOMA3, LNB03, LNB03, LNB03, LNB03, GUAL3, GUAL3, GUAL3, GUAL3, PSOM3, PSOM3, PSOM3, PSOM3, BURE, BURE, CHGR2, CHGR2, CHGR2, CHGR2, CN12, CN12, CN12, CN12, BRIBI, BRIBI, RGM0, RGM0, BUS1, BUS1, LCR2, LCR2, VERB, VERB, VTCV, VTCV, CVTV, CVTV, VTLA, VTLA, VTLA, VTLA, MESA3, MESA3

Table with columns: MESA3, GMAL, GMAL, RSUS3, STIA3, MARIATO, SOCE, ARE1, AZU, PLVR, CATAC 18 18:52:02.4, SNET 18 18:52:03.7, CGG 18 18:52:21.9, ISC 18 18:52:03.1, Code, Station Name, Az, Az, Op, Phase ID, Time Res, h, m, s, ISC, LALI, LALI, LALI, LALI, LALI, LALI, JAYA, JAYA, JAYA, JAYA, JAYA, JAYA, ITCA, ITCA, ITCA, ITCA, PANCS, PANCS, PANCS, PANCS, PANCS, PANCS, PMON, PMON, PMON, PMON, LOMA, LOMA, LOMA, LOMA, LOMA, LOMA, BOQS, BOQS, UUES, UUES, UUES, UUES, PIC2, PIC2, CEDA, CEDA, UUES, UUES, CEVE, CEVE, CEVE, CEVE, LFRS, LFRS, SBL5, SBL5, UDBS, UDBS, UDBS, UDBS, SMNE, SMNE, SNUE, SNUE, LRU, LRU, RTR, RTR, NUBE, NUBE, NUBE, NUBE, FAME, FAME, FAME, FAME, COEG, COEG, COEG, COEG, UNIC, UNIC, UNIC, UNIC, UNIC, UNIC, PAVA, PAVA, PAVA, PAVA, PAVA, PAVA, SNI, SNI, SNI, SNI, Teco, Teco, Teco, Teco, LOAL, LOAL, LOAL, LOAL, SLOZ, SLOZ, SLOZ, SLOZ, SCLA, SCLA, SCLA, SCLA, SCLA, SCLA, TECA, TECA, TECA, TECA, LLGN, LLGN, LLGN, LLGN, PACA, PACA, PACA, PACA, MTO3, MTO3, MTO3, MTO3, RANC, RANC, RANC, RANC, BLLM, BLLM, BLLM, BLLM, ESQI, ESQI, ESQI, ESQI, CAHU, CAHU, NBG, NBG, CNCH, CNCH

1151

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like WRA, GUMO, TOLIZ, CTA, CTAP, KAPI, FITZ, ILAR, AS31, ASAR, HNR, EIDS, MBWA, PSAA, STKA, ARMA, BBOO, JOW, NWAO, JNU, MJAR, NJ2, KSR5, TIA, CMAR, HNS, PZH, XAN, ASAJ, CD2, USRK, BNK, URZ, RTZ, HHC, HHC, MXZ, MRZ, GTA, ULN, SONM, PEAOB, PETK, WMQ, YAK, MK31, MKAR, MAK2, ZAAO, ZALV, LVA, KURK, KURB, ARSB, TIXI, VNA, SIMJ, BVAR, BRVK, NRIK, ACHA.

2018 DEC

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like OHAK, KDAD, G19K, E19K, IMAR, ABKAR, D23K, E23K, IL31, ILAR, TOLK, C23K, F24K, GSPA, F25K, BMAR, BCAR, CPUP, LPAZ, NOU, SANVU, SANVU, DVP, DZM, NGOA, IDC, JAY, WRA, ASAR, MKAR, TRN, ANBD, SKOC, SKI, MBFL, MBWH, TBG, NEIC, CROK, OK029, OK029, BCOK, ADOK, GC02, OK038, BLOK, OK031, CSTR, CSTR, KAN14, OK052, OK051, QUOK, QUOK, FNO, CSTR, KAN09, KAN05, KAN01, OK038, ELIS, R32A, FW06, FW03, KSHU, PLPT, FW07, MIAR, CBK5, APMT, AMTX, KAN13, KAN05, NOKA, NOKA, KAN09, KAN01.

18d 20h

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like KAN01, KAN08, KAN08, DEOK, DEOK, W35A, W35A, W35A, T35A, X34A, WMOK, WMOK, TUL3, SMWD, RLO, R32A, FW03, CBK5, APMT, AMTX, DKN5, MIAR, MGMO, FVM, NEIC, NEIC, Code, Station Name, Frequency, Power, Mode, Time, Res, Phase ID, Op, ISC, h, m, s, ISC.

18d 20h

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like SN05, RTBA, Z41A, etc.

18d 20h:08.8,0.9,22.00S;169.57E,h0km,mb4.3/9, mbmp4.3/10,ML3.9/1,MS3.7/2,Error ellipse: s-maj=33.2km s-min=20.9km az=166.0

NEIC 18 20:32:11.4,0.4,21.9S;0.1:169.44E;0.06,h10km,2km, mb4.4/10,Error ellipse: s-maj=23.6km s-min=7.0km bz=163.0

NOU 18 20:32:26.0,2.1,95S;168.23E,h0km,MLV3.2/7,Loyalty Islands

ISC 18 20:32:12.6,0.8,21.9S;0.1:169.49E;0.10,h25km,n34, o582/33,mb4.3/12,Southeast of Loyalty Islands

Main table of station data for the 18d 20h period, including station names, coordinates, and frequencies.

18d 20h:37.25,0.14,0.6,82S;129.57E,h170km,153km, mb3.3/1,mbmp3.6/4,ML3.5/3,Error ellipse: s-maj=107.0km s-min=55.2km az=36.0, Banda Sea

Table of station data for the 18d 20h period, including station names, coordinates, and frequencies.

18d 20h:38.15,6.1,5.2;52S;140.34E,h0km,mb3.2/2, mbmp3.4/3,ML3.5/1,Error ellipse: s-maj=20.4km s-min=9.2km az=174.0

DJA 18 20:38:16.5,0.8,2.7S;7.141E,h10km,ML3.5/4,ML2.3/5,Error ellipse: s-maj=17.5,1.0,2.5S;0.1:140.48E;0.05,h24km,n12, o150/11,Near north coast of Irian Jaya

Table of station data for the 18d 20h period, including station names, coordinates, and frequencies.

2018 DEC

Table of station data for the 2018 DEC period, including station names, coordinates, and frequencies.

NEIC 18 20:38:31.5,25.61S;177.41W,h160km

NEIC 18 20:38:31.5,25.61S;176.74W,h160km,Moment Tensor Solution. Duration: 157 Moment tensor: Scale 10^16Nm; Mm=5.17; Mss=0.20; Mxx=4.97; Mxy=2.92; Mxz=0.23; Myy=1.10; Mzz=1.00; Fault plane solution: Ms=8.4000x10^16 NP1:phi=21.0000; lambda=124.98000; lambda-61.82000; NP2:phi=157.34000; lambda=0.70000; lambda-124.98000. Principal axes: T=5.1064, P=10.0000; Azm91.0000; N=1.4698, P=316.0000, Azm184.0000; P=6.5762, P=166.0000; Azm346.0000; IDC 18 20:38:34.9,0.5,25.61S;177.491W,h151km,3km,mb4.9/29, mbmp5.3/31,MS3.7/22,Error ellipse: s-maj=8.4km s-min=8.0km az=114.0

MOS 18 20:38:34.0,1.0,25.58S;177.52W,h150km,mb5.5/30, Error ellipse: s-maj=9.4km s-min=7.5km az=102.7

NEIC 18 20:38:35.2,2.0,25.58S;0.07:177.44W;0.1,h150km,4km, mb5.4/260,MMW5.1/20,Error ellipse: s-maj=13.9km s-min=10.3km az=104.0

GCMT 18 20:38:37.0,2.2,25.56S;0.01:177.14W;0.01, h153km,1km,MW5.2/129,Moment Tensor Solution. s87.c112; s129.c187. Duration: 180 Moment tensor: Scale 10^16Nm; Mm=0.49; Mss=0.49; Mxx=0.28; Mxy=0.75; Mxz=0.59; Myy=0.28; Mzz=0.10; Best doublet: couple: M=0.92900x10^17 NP1:phi=132.00000; lambda=140.00000; NP2:phi=19.00000; lambda=37.00000; Principal axes: T=0.8400, P=3.0000; Azm255.0000; N=0.1770, P=164.0000; Azm162.0000; P=1.0170, P=164.0000; Azm347.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NOU 18 20:38:44.3,25.80S;177.43W,h240km,mb5.2/84,South of Fiji Islands

ISC 18 20:38:34.4,0.3,25.64S;0.04:177.33W;0.05, h150km,3km,h150km,PP 191,phi=15/1193,mb5.4/213, 102C-37D,South of Fiji Islands

Main table of station data for the 2018 DEC period, including station names, coordinates, and frequencies.

1152

Main table of station data for the 1152 period, including station names, coordinates, and frequencies.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like WBO, JAY, FORT, WRKA, KDU, PUH, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like MJAR, MAJO, MJB9, MTSU, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like VNA2, USA0B, USA0B, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like VNA2, USA0B, USA0B, etc.

18d 20h

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, Azimuth Error, Elevation Error, SNR Error, and other parameters. Includes stations like M15K Kasigluk River, O18K Koktuh Hills, N16K Nishik Lake, etc.

2018 DEC

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, Azimuth Error, Elevation Error, SNR Error, and other parameters. Includes stations like PLID Pearl Lake, KNK Knik Glacier, ALPN Alpine, etc.

1154

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, Azimuth Error, Elevation Error, SNR Error, and other parameters. Includes stations like G17K Kiwalik Mouna, YUK8 Steele Glacier, BPAW Beaver Mtn, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like IL31, ILAR, J25K, HHC, H22K, D22K, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like C21K, D22K, B22K, H22K, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like ZALV, MK31, MKAR, MKAF, etc.

18d 20h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like DOMB, AKN, ERBR, LABN, LAGN, NB2, NOA, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KWP, KWL, VARL, TATR, HPR, DSB, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like PVCC, NEUB, MAUC, GTTG, DRGR, etc.

1156

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like PKIKP, PKIKP, PKIKP, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like RCHB, MDVR, ROSA, RONA, etc.

IDC 18 20:51:25.9.9.1, 6.02S, 151.48E, h72km, 65km, mb3.2/2, mbtmp3.6/3, ML2.1/1, MS3.3/1, Error ellipse: s-maj=115.4km s-min=57.4km az=127.0, New Britain region

NEIC 18 21:03:58.0.1.0, 61.42N, 0.03W, 150.08W, 0.06, h47km, 9km, Error ellipse: s-maj=4.4km s-min=4.0km az=180.0

AEIC 18 21:03:57.9.2.0, 61.35N, 0.02W, 150.09W, 0.04, h24km, 7km, ML3.1, ML3.3/94(NEIC), Error ellipse: s-maj=3.9km s-min=2.3km az=222.0, Southern Alaska

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like FIS, RC01, SUA, M22K, etc.

comp=N, 9.6nm, 1.3s
EGAK Eagle 5.32 46 Pn Pn 21 05 15.3 -0.3
G23K Bananza Creek 5.38 00 Pn Pn 21 05 16.0 -0.6

IDC 18 21:05:31.0.1.6, 36.51N, 4.08W, h0km, mb3.2/2, mbtmp3.3/5, ML2.9/3, Error ellipse: s-maj=35.4km s-min=16.7km az=91.0
LDG 18 21:05:30.8.0.3, 36.32N, 3.66W, h2km, ML3.3/3, Error ellipse: s-maj=8.0km s-min=3.4km az=163.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ELGU, EMAL, EGOR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, HFS, Hagfors, 43.20 322 P, P, 21 13 17.5 -0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, HFS, Hagfors, 43.20 322 P, P, 21 13 17.5 -0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, HFS, Hagfors, 43.20 322 P, P, 21 13 17.5 -0.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TMTI Ternate, MRSI Marisa, APST Ampana, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MKAR Makanchi Array, MRNZ Matariki Terra, PRZ Topheval'sk, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DTM Mont Dzumac, MSVF Nonsavu, CTA Charters Tower, etc.

IDC 18 22:01:13.4z-1.0, 21:89Sx169.44E, h0km, mb4.1/8, mbtmp4.0/10, ML4.5/2, MS3.2/2, Error ellipse: s-maj=37.9km s-min=19.1km az=165.0

ISC 18 22:01:17.5z-0.8, 21:83S-0.2, 169.42E, 0.09, h25km, n14, c098/13, mb4.1/8, Southeast of Loyalty Islands

UPA 18 22:26:11.2z-0.6, 0:108N-84:26W, h12km, 21km, MW4.3, UCR 18 22:26:16.0z-0.8, 9:56N-84:17W, h37km, 1km, MW4.4, Fault plane solution: NPT0312.50000°, 855.61000°, 7.785000°

ISC 18 22:26:18.3z-1.0, 9:63N, 0:033R, 84:20W, 0:03, h33km, 8km, n61, c1928/48, 11C-27D, Costa Rica

IDC 18 21:44:36.0z-1.2, 3:59Sx130.68E, h0km, mb3.9/5, mbtmp4.1/8, ML3.5/3, Error ellipse: s-maj=43.0km s-min=23.1km az=131.1E, h20km, 8km, M3.9/12, DJA 18 21:44:40.0z-0.9, 3:54Sx131.1E, h20km, 8km, M3.9/12, mb4.0/3, mb5.2/1, ML3.9/12, Mw(m)4.6/1

ISC 18 21:44:37.3z-0.7, 3:66S, 0:06, 131:11E, 0:06, h30km, n18, c3512/22, mb4.0/4, Irian Jaya region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FAKI Fak Fak, BNDI Benda, MSAI Masohi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ABE2 San Pablo, ACOS Acosta, RITA Parrita, etc.

IDC 18 21:59:21.5z-1.9, 22:02Sx169:57E, h0km, mb4.0/6, mbtmp4.0/8, ML4.3/2, Error ellipse: s-maj=69.8km s-min=21.2km az=154.0

NOU 18 21:59:22.2z-0.5S, 169:53E, h0km, MLV3.5/8, Southeast of Loyalty Islands

ISC 18 21:59:25.3z-1.0, 22:05S, 0:2, 169:51E, 0:08, h25km, n18, c09719, mb4.0/6, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MARNC Mare, YATNC Mamie plateau, etc.

18d 23h

ACON Acopya 2.51 338J eP Pn 22 26 57.0 +0.2

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Pizarro, Choco, Bahia Malaga, Punta Arditia, San Jos del P, Ciudad Bolivar, Yotoco, Valle, Gorgona, Isla, Dabeiba, Jamundi, Valle, Guyana, Caldas, Villamaría, Ca, Santa Ana, Apartado, Choc, Popayan, Colom, Azuero, Ortega, Tolima, Norcasia, Capurgana, Balboa, Cauca, Prada, PUERTO BERRIO, Garzon, Huila, Volcan Galeras, La Uribe, Meta, Chingaza, Florencia, Villavicencio, San Jacinto, C, Pamplona, Colo.

HEL 18 23:07:26.0-0.2, 67.18N-20.63E, h0km, ML1.0, Suspected explosion, Sweden

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Ertsjavar, Lannavaara, Kotari, Hetta, Kalix, Kilpisjärvi, Tornio, Kautokoine, Rovaniemi, Ranf, Ranfa.

UPP 18 23:08:12.2-0.0, 67.19N-20.67E, h0km, ML1.7, Unknown, Sweden

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Dunderet, Masungnsby, Rauu, Kurraavaara, Ertsjavar, Pajala, Lannavaara, Haru, Kalu, Sjuu.

UPA 18 23:18:06.4-0.7, 8.61N-83.59W, h0km, 26km, MW3.5, UCR 18 23:18:06.2-0.8, 8.57N-83.69W, h8km, 5km, MW3.5, ISC 18 23:18:06.0-1.1, 8.57N-83.69W, h0km, 11km, n21, c0534/26, Costa Rica

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Puerto Jimenez, Carate, Puerto, Golfito, Potrero Grande, Petromerina, Naranjito, Volcan, San Pablo, Potrerillos Ar, La Lucha 2, David, Los Naranjos, Bribri, Pajá de Sombre, VTCV, Volcano Irazu, Tajo, Turrialba Volc, Turrialba Volc, Aguacate.

HVO 18 23:29:59.8-1.5, 19.482N-0.008-155.658W, 0.006, h0km, 7km, ML2.6/36, ML2.4/19(NEIC), Error ellipse: s-maj=1.2km s-min=0.8km az=177.0, NEIC 18 23:30:00.1-1.1, 19.471N-0.008-155.643W, 0.007, h5km, 1km, Error ellipse: s-maj=2.6km s-min=1.4km az=21.0, Hawaiian Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Mokuaweoweo, Alea Permanent, Mauna Loa Obse, Humu'ula Sheep.

2018 DEC

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Kahuku, Mauna Loa, Captain Cook, Hualalai, Pohakuloa, Hot Caves, West Rim, Uwekahuna, Sand Hill, Rainedshed, Uwekahuna Bluf, Rim, Steaming Bluff, Keena Bluff, Byron's Ledge, Kailua Kona, Kane Nui o Ham, Steam Cracks, North of Pu'u, Jacuzi, Jonika Flow, Pahoa, Mahukona.

CNRM 18 23:31:42.3, 34.86N-5.35W, h29km, ML2.3, SFS 18 23:31:42.1, 35.03N-5.52W, h62km, ML3.2/11, ML3.2/11, MLV3.2/11, MDD 18 23:31:43.7, 0.7, 35.07N-5.27W, h29km, 7km, mb, Lg2.4/9, Error ellipse: s-maj=6.0km s-min=3.6km az=97.0, ISC 18 23:31:41.1-1.2, 34.98N-0.02-5.38W, 0.03, h61km, 11km, n46, c1564/65, Morocco

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Chefchaouen, Sidi Chahed, Ceuta, Ceuta, Palemas, AKLM, AKLM, LCRM, LCRM, EJIF, IFR, ESPR, Col de Zad, Col de Zad, Mont Gurugu, Mont Gurugu, MD31, MD31, MDT, MDT, ELGU, Los Guajares, ELGU, Avereiros, JBK, JBK, Taf, Taf, EMIN, EGRO, EGRO, EGRO, EGRO, Vaqueiros, PVAQ, ECAB, ECAB, ECAB, ECAB, EADA, EADA, EADA, EADA, PBAR, PBAR, EBAD, EBAD, EBAD, EBAD, EMIN, Granatula de C, EVO, Evora, PESTR, Tiouine, TIO, TIO, PAB, PAB, EPLA, EPLA, EPLA.

NAO 18 23:34:12.5, 37.51N-20.57E, h10km, mb4.2, THE 18 23:34:13.4, 37.48N-20.53E, h7km, ML3.5/8, Error ellipse: s-maj=1.0km s-min=0.3km az=59.0, ATH 18 23:34:13.8, 37.48N-20.55E, h18km, 1km, ML3.7/11, Error ellipse: s-maj=3.6km s-min=1.3km az=58.0, IDC 18 23:34:14.4, 0.8, 37.95N-20.92E, h0km, mb3.7/13, mbmp3.7/20, ML3.6/5, MS3.3/2, Error ellipse: s-maj=18.2km s-min=14.6km az=6.0, ISC 18 23:34:14.3-1.4, 37.53N-0.04-20.63E, 0.04, h14km, 9km, n79, c158/95, mb3.7/13, 3C-7D, Ionian Sea

1160

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Lithakia, Orthones, Zaky, Kipseli, Zakin, Kyllini, Iliia, G, Ratazaki, Kefa, Valsamata, Valsamata, Samh, Riotos of Patr, Riotos of Patr, Artemida-Makis, Fiskardo, Fiskardo, Drossia, PYLOS, PYLOS, Ithomi, Ithomi, Lefkada island, Lefkada island, Dragano-Lefkad, Nydri-Lefkada, Nydri-Lefkada, LK2D, Tsoukalades, L, KLV, Kalavryta, Ach, EFP, EFP, GOURA, GOURA, KALE, KALE, ANX, ANX, OHR, OHR, VAY, VAY, ANOYIA, ANOYIA, PECHO, PECHO, VAE, VAE, BOVS, BOVS, MDVR, MDVR, HERR, HERR, GZR, GZR, BZS, BZS, ARGES, ARGES, VOIR, VOIR, MLR, MLR, MLR, MLR, VRI, VRI, SOKA, SOKA, OBKA, OBKA, BRTR, BRTR, BRTR, BRTR, KBA, KBA, ABTA, ABTA, MOA, MOA, BIOA, BIOA, LESA, LESA, DAVOX, DAVOX, GERS, GERS, MMAI, MMAI, AKAS, AKAS, KBZ, KBZ, ESDC, ESDC, MDT, MDT.

Table with columns: HFS, FINES, NB2, NOA, TORO, ARCS, JMJC, BVAR, KURBB, MKAR, MKAR, ZALV, SONM, CMAR, YKA. Includes station names like Hagfors, FINESS Array B, NORSAR Subarra, etc.

Table: NOU 18 23:37:17.3, 16 21.8, 168.13E, h2km, MLV3.9/12, Vanuatu Islands, Vanuatu Islands. Lists stations like VLAKA Lakatoro, SANWU Saracou, etc.

Table: IDC 18 23:37:28.5-0.9, 2.68S, 138.66E, h0km, mb3.8/6. Lists stations like SMPI Sarmi, GENI Genyem, etc.

Table: IDC 18 23:37:30.8-0.7, 2.83S, 138.68E, 0.04, h10km, n18. Lists stations like SMPI Sarmi, GENI Genyem, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists stations like JAY Jayapura, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists stations like JOW Kunigama, DZM Mont Dzumac, etc.

Table: DJA 18 23:38:21.4-0.3, 2.5S, 120.0E, h10km, M3.2/7, MLV3.2/7, Sulawesi

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists stations like PCI Palu, TTSI Tana Toraja, etc.

Table: IDC 18 23:38:22.7-1.7, 9.92S, 118.31E, h0km, mb3.9/3. Lists stations like WSI Waikabubak, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists stations like WSI Waikabubak, PLAI Plampang, etc.

Table: AFAD 19 01:09:35.1-0.0, 37.19N, 128.52E, h7km, 1km, ML2/7. Lists stations like MULU Mugla, etc.

Table with columns: KAPI, JAGI, GMJI, FITZ, FITZ, WRA, WRA, SONM, MKAR, ZALV. Includes station names like 21nm, 0.3s, baz=143, slow=19, SNR=12.

Table: IDC 18 23:50:02.7, 22.0, 56.61N, 174.23E, h0km, Error ellipse: s-maj=125.3km s-min=98.2km az=158.0, Bering Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists stations like I44RU PETROPVLOVSKO, I53US Fairbanks, etc.

Table: IDC 19 00:44:31.8, 7.2, 3.04S, 148.27E, h0km, mb3.6/6. Lists stations like I42PT GRACIOSO ISLAND, etc.

Table: IDC 19 00:44:33.4, 7.3, 3.25S, 149.19E, h18km, n29.0, c15/17, mb3.6/6, MS3.4/16, Bismark Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists stations like PMG Port Moresby, HNR Honiara, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists stations like ASAR Alice Springs, DZM Mont Dzumac, etc.

Table: IDC 18 23:38:22.7-1.7, 9.92S, 118.31E, h0km, mb3.9/3. Lists stations like WSI Waikabubak, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists stations like WSI Waikabubak, PLAI Plampang, etc.

Table: AFAD 19 01:09:35.1-0.0, 37.19N, 128.52E, h7km, 1km, ML2/7. Lists stations like MULU Mugla, etc.

Table with columns: DNZT, TAVA, TAVA, TAVN, TURUN, TURUN, TURUN, TURUN, MRSE, MRSE, MLSB, MLSB, ESEN, ESEN, ESEN, ESEN, NAZL, NAZL, DAT, AYBD, BODT, YKAV, YKAV, KIRA, KIRA, KIRA, KIRA, ODEM, ODEM, GCAM, GCAM. Includes station names like DENIZLI_Tavas, Turunc, etc.

Table: MOS 19 01:37:39.5, 1.6, 36.08S, 101.00W, h10km, mb6.0/34. Lists stations like DENIZLI_Tavas, Turunc, etc.

Table: IDC 19 01:37:39.1-0.3, 36.03S, 100.80W, h0km, mb5.4/25. Lists stations like DENIZLI_Tavas, Turunc, etc.

Table: IDC 19 01:37:40.3, 36.03S, 101.19W, h26km, Azm237.0000; P-2.147; Plg3.0000; Azm139.0000; etc.

Table: GUC 19 01:37:42.4, 1.7, 35.93S, 100.81W, h14km, 1.3km, MS6.2. Lists stations like DENIZLI_Tavas, Turunc, etc.

Table: GUCM 19 01:37:43.5, 0.3, 36.17S, 101.06W, h16km, MW6.2/178. Lists stations like DENIZLI_Tavas, Turunc, etc.

Table: IDC 19 01:37:40.0, 3.6, 16S, 03.1W, h10km, 0.02, h10km, n1479, 1886/1097, mb6.0/227, MS5.9/392, 117C-68D, Southeast of Easter Island

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists stations like RPN Rapa Nui, RPN Rapa Nui, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists stations like VA02 Isla de Pascua, VA02 Isla de Pascua, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists stations like VA02 Isla de Pascua, VA02 Isla de Pascua, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists stations like BI05 Punta Hualpin, BI05 Punta Hualpin, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists stations like BI05 Punta Hualpin, BI05 Punta Hualpin, etc.

19d 1h

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like G005 Curarrehue, G006 Curarrehue, G006 Curarrehue, etc.

2018 DEC

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like PB12 IPOC Station P, AP01 Chaulita, G001 Chuzmiza, etc.

1162

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like PPR Papeete, PMOR Pomarioro Ree, PDRB Porto Des Gas, etc.

1163

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like PCRV Puerto La Cruz, VNA2 Neumayer-Watz, SNAA Sanaa, etc.

2018 DEC

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like EDRZ Edgecumbe, SNZO South Karori, GCPR Guaynabo City, etc.

19d 1h

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like HKT Hockley, JCZ Jackson Bay, DCZ Deep Cove, etc.

19d 1h

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like MYKA, BIOA, NB2, NOA, etc.

2018 DEC

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like OKK, ITM, VYHS, etc.

1166

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like YULB, MILM, AK19, etc.

1167

Table with columns for station code, name, frequency, time, and status. Includes stations like HKPS, SRTA, SRTI, etc.

Table with columns for station code, name, frequency, time, and status. Includes stations like SLVN, Son La, Chiung Mai Arr, etc.

Table with columns for station code, name, frequency, time, and status. Includes stations like LZH, comp=Z,2um,18.5s, etc.

19d 2h

Table with columns: Station Name, Elevation (m), Station Type, and Coordinates (Lat, Lon). Includes stations like Dongshan, Neicheng, Wu-fen Shan, etc.

2018 DEC

Table with columns: Station Name, Elevation (m), Station Type, and Coordinates (Lat, Lon). Includes stations like Ta-pu, Ishigakijimahi, Hsinying, etc.

1168

Table with columns: Station Name, Elevation (m), Station Type, and Coordinates (Lat, Lon). Includes stations like Granite Mounta, College, Poorman, etc.

19V 3h

Table with columns: NVAR, Mina Array Bea, 90.71 49 P, 0.3nm, 0.7s, baz=254, slow=4.7, SNR=6.2, 0.3nm, 0.7s

Table with columns: EKA, Eskdalemuir Ar, 146.51 352 PKPbc, 1.2nm, 0.8s, baz=3.8, slow=1.0, SNR=5.5

Table with columns: GERES, GALESS Array B, 146.51 352 PKPbc, 1.5nm, 0.7s, baz=64, slow=2.3, SNR=3.8

IDC 19 03:32:29.8, 1.3, 29.91N;57.69E, h0km, mb3.6/8, mtbpm3.6/9, ML3.4/1, Error ellipse: s-maj=33.7km

TEH 19 03:32:30.9, 29.97N;57.82E, h9km, 24km, ML4.0 DSN 19 03:32:33.0, 0.8, 29.73N;58.58E, h15km, ML3.3/6, Error ellipse: s-maj=41.3km s-min=7.2km az=119.0

ISC 19 03:32:32.9, 0.7, 29.94N;0.04;57.81E;0.04, h20km, n49, s158/51, mb3.5/7, Southern Iran

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

WSAR 0.7nm, 0.3s, baz=22, slow=14, SNR=13

IKRD 9.2nm, 0.8s, baz=156, slow=11, SNR=3.9

ISFR 3.1nm, 0.7s, baz=204, slow=11, SNR=5.7

BRTR Keskin Array B, 22.05 303 P, 0.7nm, 0.9s, baz=127, slow=9.6, SNR=2.7

BVAR Borovoye Array, 24.84 18 P, 0.9nm, 0.7s, baz=198, slow=8.9, SNR=4.5

MKAR Makanchi Array, 25.37 42 P, 0.6nm, 0.7s, baz=222, slow=7.6, SNR=7.0

KURBB Kurchatov Arra, 25.85 31 P, 1.3nm, 0.2s, baz=226, slow=8.9, SNR=1.2

ZALV Zalesovo Bead, 30.94 31 P, 0.6nm, 0.5s, baz=242, slow=9.3, SNR=3.8

TORD Torodi Ar. Bea, 54.29 265 P, 0.5nm, 0.5s, baz=56, slow=7.4, SNR=5.6

YKA Yellowknife Ar, 87.69 356 P, 0.2nm, 0.7s, baz=2.4, slow=4.0, SNR=4.7

BGR 19 03:38:33.7, 29.91N;42.25W, h15km, mb5.4, Ms5.4, IDC 19 03:38:34.9, 0.4, 30.49N;41.91W, h0km, mb4.6/37, mtbpm4.6/37, MS5.1/84, Error ellipse: s-maj=12.7km

BUI 19 03:38:34.0, 30.50N;41.90W, h5km, mb5.2/18, mb5.7/4, Ms5.6/16, Ms7.5/4/16

MOS 19 03:38:35.6, 0.9, 30.56N;41.86W, h10km, mb5.5/99, MS5.2/18, Error ellipse: s-maj=7.1km s-min=3.9km

NEIC 19 03:38:37.9, 0.9, 30.56N;0.09;41.90W;0.1, h10km, 1km, mb5.4/366, Ms 20.5, 4.487, Mw5.7/41, Error ellipse: s-maj=16.2km s-min=14.9km az=155.0

GCMT 19 03:38:38.9, 0.1, 30.62N;0.01;41.93W;0.01, h12km, Mw5.5/158, Moment Tensor Solution. s78, c100; s158, c295; Duration: 1.5s Moment tensor: Scale 10^17 Nm; Mn:-2.68e+04; Mw:0.10e+04; Mo:2.58e+03; Ms:0.21e+16; Mo:0.38e+07; Mo:-0.26e+12; Best double couple: Mo:2.67900e+17; NP1:0.300000; 0.84800000; 1.9700000; NP2:0.19400000; 0.84300000; 1.8200000; Principal axes: T 2.6470, Plg2.0000; Azm88.0000; N 0.0630, Plg5.0000; Azm8.0000; P -2.7120, Plg4.0000; Azm214.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NEIC 19 03:38:38.5, 30.74N;41.73W, h20km, Moment Tensor Solution. Duration: 3.8 Moment tensor: Scale 10^17 Nm; Mn:-3.08; Mw:0.39; Ms:2.69; Mo:-2.24; Mo:0.37; Mo:-2.47; Fault plane solution: Mo:4.390000x10^17 NP1:0.310000; 0.6991000; 1.7657000; NP2:0.17711000; 0.82401000; 1.12241000; Principal axes: T 4.0065, Plg2.4000; Azm112.0000; N 0.7650, Plg13.0000; Azm207.0000; P -4.7714, Plg63.0000; Azm323.0000;

NEIC 19 03:38:36.7, 0.6, 30.56N;0.05;41.87W;0.04, h5km, 3km, 57C-28D, Northern Mid-Atlantic Ridge

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

2018 DEC

Main table with columns: S/JG, San Juan, 25.29 246 LR, 0.3 51 53.1, comp=Z, 3.0m, 22.0s, baz=70, slow=32

1170

Table with columns: PAB, San Pablo, 31.81 63 P, 0.3 45 02.3 0.0, comp=Z, 6.1m, 21.0s, baz=298, slow=31

19d 3h

Table with columns for call sign, name, frequency, mode, and status. Includes entries like KHC Kasperke Hory, HSKC Hora Svate Kat, and various other stations.

2018 DEC

Table with columns for call sign, name, frequency, mode, and status. Includes entries like VILB Vilhena, MDND Madlock, CONA Conrad Observa, and various other stations.

1172

Table with columns for call sign, name, frequency, mode, and status. Includes entries like PTLB Pontes e Lacer, ABTX Abilene, Hawle, MORH Mrgy, Hungary, and various other stations.

Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, Date, Time, and other parameters. Includes stations like T25A, DRGR, HERR, etc.

Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, Date, Time, and other parameters. Includes stations like LDASE, PLORS, RDO, etc.

Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, Date, Time, and other parameters. Includes stations like PLID, NEW, CPUP, etc.

19d 3h

Table with columns for station ID, name, coordinates, elevation, and various performance metrics (P, M, S, etc.). Includes stations like G06A, G06B, G06C, etc.

2018 DEC

Table with columns for station ID, name, coordinates, elevation, and various performance metrics. Includes stations like KIRV, EIL, WHY, V35K, etc.

1174

Table with columns for station ID, name, coordinates, elevation, and various performance metrics. Includes stations like BCAR, L27K, L27K, etc.

Table of astronomical observations for 19d 4h, listing station names, coordinates, and observation details.

Table of astronomical observations for 2018 DEC, listing station names, coordinates, and observation details.

Table of astronomical observations for 1176, listing station names, coordinates, and observation details.

Table with columns: STA, Name, Az, El, P, S, Az, El, P, S, Az, El, P, S. Includes stations like Gaotai, Eielson Array, Minna Array, etc.

RSNC 19 04:14:43.9, 0.8, 1.5, S, 4.8, 8, 0, W, h, 0, km, M2.9, mb3.8, ML2.6

Table with columns: Code, Station Name, Az, El, P, S, Az, El, P, S, Az, El, P, S. Includes stations like Puerto Lpez, Cochancay, Pacto, Paraso, etc.

19 04:44:03.6, 2.9, 51.58N, 173.60W, h, 0, km, mb3.5/4, mbtmp3.4/5, ML3.5/1, Error ellipse: s-maj=77.8km

NEIC 19 04:44:07.0, 5, 51.49N, 173.5W, 0.1, h, 35, km, 2, km, M2.3/6, Error ellipse: s-maj=13.6km s-min=6.2km

ISC 19 04:44:08.5, 1.3, 51.6N, 173.49W, 0.07, h, 37, km, n10, 0.80/11, mb3.4/4, Andreon Islands

Table with columns: Code, Station Name, Az, El, P, S, Az, El, P, S, Az, El, P, S. Includes stations like Atka Island, Great Sitkin T, Adak, etc.

19 04:47:49.5, 0.9, 35.65N, 26.95E, h, 0, km, mb3.7/7, mbtmp3.6/11, ML3.6/3, MS3.6/3, Error ellipse: s-maj=22.0km s-min=14.3km az=155.0

GII 19 04:47:50.6, 0.4, 35.392N, 0.002, 26.931E, 0.001, h, 10, km, Mws3.5, confirmed

ATH 19 04:47:51.5, 35.62N, 26.93E, h, 14, km, 4, km, ML3.6/5, Error ellipse: s-maj=5.1km s-min=1.1km az=155.0

ISK 19 04:47:51.0, 35.65N, 26.98E, h, 6, km, ML3.3/29, The 19 04:47:52.4, 1.0, 35.53N, 26.98E, h, 12, km, 1, km, ML3.5/3, Error ellipse: s-maj=2.1km s-min=0.5km az=151.0

AFAD 19 04:47:55.4, 0.0, 35.77N, 27.14E, h, 22, km, 1, km, ML3.2, ISC 19 04:47:50.4, 1.0, 35.56N, 0.003, 26.94E, 0.02, h, 13, km, 7, km, n147, r133/170, mb3.7/7, Crete

Table with columns: Code, Station Name, Az, El, P, S, Az, El, P, S, Az, El, P, S. Includes stations like Karpathos, Zakros, etc.

Table with columns: STA, Name, Az, El, P, S, Az, El, P, S, Az, El, P, S. Includes stations like Thra Island, IACM Heraklion, etc.

ISC 19 04:52:08.9, 3.1, 48.91N, 153.15E, h, 145, km, 25, km, mb3.6/11, mbtmp4.0/13, MS3.8/2, Error ellipse: s-maj=64.1km s-min=19.8km az=137.0

KRSC 19 04:52:08.5, 2.2, 48.11N, 157.09E, h, 8, km, 44, km, M1.4, ISC 19 04:52:09.3, 1.6, 48.9N, 0.2, 153.1E, 0.2, h, 150, km, n24, r150/25, mb3.9/11, Kuril Islands

Table with columns: Code, Station Name, Az, El, P, S, Az, El, P, S, Az, El, P, S. Includes stations like Timbak Herakli, MSLB Milas, etc.

UPP 19 05:53:54.4, 0.1, 67.85N, 20.22E, h, 0, km, ML2.5, Confirmed

HEL 19 05:53:55.0, 0.1, 67.83N, 20.21E, h, 0, km, ML1.6, Explosion ISC 19 05:53:55.9, 0.8, 67.79N, 0.02, 20.26E, 0.03, h, 0, km, n29, r130/46, Sweden

Table with columns: Code, Station Name, Az, El, P, S, Az, El, P, S, Az, El, P, S. Includes stations like Kurraavaara, Laukkutulpa, etc.

Table with columns: STA, Name, Az, El, P, S, Az, El, P, S, Az, El, P, S. Includes stations like Fines FINESS Array B, HFS Hagfors, etc.

ISC 19 05:53:54.4, 0.1, 67.85N, 20.22E, h, 0, km, ML2.5, Confirmed

HEL 19 05:53:55.0, 0.1, 67.83N, 20.21E, h, 0, km, ML1.6, Explosion ISC 19 05:53:55.9, 0.8, 67.79N, 0.02, 20.26E, 0.03, h, 0, km, n29, r130/46, Sweden

Table with columns: Code, Station Name, Az, El, P, S, Az, El, P, S, Az, El, P, S. Includes stations like Severo-Kuril's, Pauzhetka, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like SJA, GUC, VA01, VA05, MT02, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like MXZ, HAZ, KUZ, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like WHZ, MHGZ, BKZ, etc.

SOME 19 06:02:34.1, 43.07N-81.60E, h10km
NWC 19 06:02:36.4, 1.1, 43.21N-81.56E, h0km, mb3.8, mpv3.4, Error ellipse: s-maj=10.3km s-min=3.3km az=147.0

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like SHLS, PDGK, PDGK, UZB, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like KURK, KK31.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like FAKI, KDU, WRA, etc.

IDC 19 06:11:00.9, 2.46N-95.80E, h0km, mb4.1/14, mbtmp4.1/16, ML4.2/2, MS3.4/3, Error ellipse: s-maj=30.1km s-min=15.1km az=48.0

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like SNSI, MLSI, GSI, etc.

IDC 19 06:11:00.9, 2.46N-95.80E, h0km, mb4.1/14, mbtmp4.1/16, ML4.2/2, MS3.4/3, Error ellipse: s-maj=30.1km s-min=15.1km az=48.0

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like KAPI, H0S2, H0S3, etc.

MKAR 0.2nm,0.3s,baz=10,slow=13,SNR=10 Sn Sn 09 04 59.2 -0.6
buz=12,slow=22
0.3nm,0.3s
BVAR Borovoye Array 7.94 265 Pn Pn 09 03 33.8 0.0
buz=76,slow=14,SNR=2.8
0.5nm,0.3s

CATAC 19 09:11:49.8 0.9 14:00N-92:52W,h11km,4km,ML3.8
SNET 19 09:11:50.1 1.4 13:98N-92:58W,h27km,115km,ML3.6
MEX 19 09:11:50.1 0.7 14:02N-92:80W,h16km,38km,MD4.1
GGC 19 09:11:54.7 0.8 14:48N-92:30W,h70km,346km,MD3.8
ISC 19 09:11:45.9 1.8 14:03N-0:05:92.72W,0.03,h8km,11km,
n54,e232/84,Near coast of Chiapas

Table with columns: Code, Station Name, Az, Phase, ID, Op, Time, Res, ISC. Rows include THIG, RTAL, SCS, SOKI, PCIG, HUEH, FUG, QUIS, COMITAN, NUBE, SNEJ, JAYA, MTO3, PMON, UXUV, CMIG, HUIG, COEG, SCLA, PETF, IZABA, PEIG, NEIG, VHO, SCIG, YOIG, PNIG, TOIG, TXIG, HLIG, FTIG, JAUJ, CRIG, DAG, VAIG, CAIG.

NBG Las Nubes 2.36 76 i P Pb 09 12 27.9 -1.0
CARR Arriaga 2.49 333 e S Pn 09 12 28.1 +1.3
TGIG 2.76 352 e S Pn 09 12 31.8 +1.3
NUBE 2.85 92 e S Pn 09 12 31.9 0.0
LAS NUBES 2.85 92 i P Pn 09 12 32.5 +0.6

NUBE Cerro Verde 3.01 93 i S Pn 09 13 04.1 -2.4
CEVE 09 13 10.2 -0.3
CEVE 09 13 35.4 +1.3
CEVE 09 13 11.0 +0.5

SNEJ San Jose 3.02 93 e P Pn 09 12 35.5 +1.3
SNEJ 09 13 11.2 +0.5
JAYA Jayaque - fnc 3.19 96 e S Pn 09 12 36.5 +0.1
JAYA 09 13 12.7 -2.3

MTO3 Montecristo 3.27 83 e P Pn 09 12 38.0 +0.3
MTO3 09 12 40.0 +2.3
MTO3 09 13 33.0

PMON Piamonte 3.32 95 e P Pn 09 12 39.5 +1.2
PMON 09 12 39.2 +1.0
PMON 09 13 23.8

UXUV UXUV 3.55 337 e P Pn 09 12 43.4 +2.1
UXUV 09 13 25.8 +2.3
CMIG Matias Romero 3.69 326 e S Pn 09 12 44.2 +0.8

HUIG Huatulco 3.71 298 e S Pn 09 12 44.0 +0.5
HUIG 09 13 21.1 -6.4
COEG Centro de Oper 3.75 96 e S Pn 09 12 45.4 +1.3

COEG Centro de Oper 3.75 96 i P Pn 09 12 45.4 +1.3
09 13 38.3

SCLA Alcadia de Sa 3.88 94 i P Pn 09 12 46.9 +0.9
09 14 06.1

PETF Flores 3.98 43 e S Pn 09 12 46.0 -1.1
PETF 09 13 36.6 +2.3
PETF Flores 3.98 43 e P Pn 09 12 49.2 +2.0
PETF Flores 3.98 43 i P Pn 09 12 48.9 +1.7

IZABA Izabal, Puerto 4.34 66 e S Pn 09 12 50.2 -1.9
IZABA 09 13 46.5 +3.6
PEIG Puerto Escondido 4.71 295 e S Pn 09 12 59.3 +2.0

NEIG Arroyo Zacate 4.72 321 e S Pn 09 13 45.4 +6.8
NEIG 09 13 47.9 +1.5
VHO Vista Hermosa 4.92 309 e S Pn 09 13 09.4 -3.0

SCIG Sabancuy 5.13 16 e S Pn 09 13 04.0 +1.0
SCIG 09 13 59.7 -2.7
YOIG Yosondua 5.44 302 e S Pn 09 13 11.8 +4.2

PNIG Pinotepa 5.73 295 e S Pn 09 13 13.2 +1.9
PNIG 09 14 10.8 -6.5
TOIG Toxpalan 5.82 315 e S Pn 09 13 12.4 -0.2

TXIG Tlaxiaco 5.83 304 e S Pn 09 13 17.1 +4.1
TXIG 09 14 23.3 +3.1
HLIG Huajuapán de L 6.19 308 e S Pn 09 13 23.3 +5.5

FTIG Fresnillo de T 6.48 307 e S Pn 09 13 27.5 +5.7
FTIG 09 13 27.8 +3.3
JAUJ Jaujalcomulco 6.60 324 e S Pn 09 13 21.0 -2.3

JAUJ Cruz Grande 6.75 294 e S Pn 09 13 36.0 -2.8
CRIG 09 14 35.3 -7.1
DAG Los Arroyos 7.32 295 e P Pn 09 13 36.2 +3.0

VAIG Yautepac 7.76 309 e S Pn 09 14 34.4 -4.9
CAIG El Cayaco 7.87 293 e P Pn 09 13 43.1 +2.3

SOME 19 09:21:48.7 44.78N-81:85E,h5km
NNC 19 09:21:51.7 1.1 44:77N-81:77E,h0km,mb3.6,mpv3.4,
Error ellipse: s-maj=15.8km s-min=3.4km az=122.0,
Suspected Mining explosion.

ISC 19 09:21:47.2 1.7 44:70N-0:07:82.1E,0.1,h0km,n18,
e945/23,3C-2D,Northern Xinjiang

Code Station Name Az Az' Phase ID Op Time Res ISC
DJR Jarkent 1.72 259 e P Pb 09 22 19.3 -0.4

DJR 18nm,0.5s
MK31 Makanchi Array 2.10 3 Pn 09 22 27.5 0.0
2.9nm,0.3s,baz=184,slow=15,SNR=200

MK31 5.0nm,0.5s,baz=190,slow=26,SNR=4.8 ISn
MAKZ Makanchi 2.12 357 P Pn 09 22 27.4 -0.3
1.8nm,0.3s

MAKZ 5.7nm,0.3s
KNOS Konylren 2.14 262 Pg 09 22 27.2 +0.2

KNOS 8.9nm,0.2s Lg Lg 09 22 54.9
PDGK Podgornoye 2.35 235 P Pn 09 22 29.8 -0.7
19nm,0.2s
PDGK 5.9nm,0.6s

SHLS Shalko 2.47 232 e P Pn 09 22 29.2 +0.4
10nm,0.8s
SHLS 12nm,0.2s
SHLS 19nm,0.3s
SHLS Shalko 2.47 232 Pg Pn 09 22 29.2 +0.4
12nm,0.2s

SHLS 19nm,0.3s
BLB Baldobastay 2.69 258 Pg Lg 09 22 36.2 -0.1
17nm,0.2s
BLB 32nm,0.5s
UZB Uzynbulak 2.73 372 e P Pn 09 22 37.2 +0.2

UZB 0.5nm,0.2s
UZB Uzynbulak 2.73 372 Pg Pn 09 22 37.2 +0.2
0.7nm,0.2s
UZB 0.5nm,0.2s
KPKS Koptek 2.78 245 e P Pb 09 22 37.6 -0.1

KPKS 9.8nm,0.3s
KPKS 24nm,0.5s
ARXS Arharly 3.12 263 e S Pb 09 22 43.4 -0.3
ARXS 3.12 263 Pg Pb 09 22 43.4 -0.3

ARXS 3.12 263 Pg Pb 09 22 43.4 -0.3
SATY 3.15 240 e P Pb 09 22 44.2 0.0
2.5nm,0.1s
SATY 14nm,0.4s
SATY 3.15 240 e S Pb 09 22 44.2 0.0

SATY 2.5nm,0.1s
CHKK Chushkaly 3.79 259 e P Pb 09 22 54.8 -0.2
1.7nm,0.1s
CHKK 6.0nm,0.3s
CHKK Chushkaly 3.79 259 e S Pb 09 22 54.8 -0.2

CHKK 1.7nm,0.1s
CHKK 6.0nm,0.3s
LDG 19 09:46:28.2 0.7 14:35N-56:30E,h0km,mb4.0/20,
mtbpm4.0/21,ML3.1/1,MS3.5/16,Error ellipse:
s-maj=18.6km s-min=18.0km az=82.0,
NEIC 19 09:46:33.7 1.9 14:74N-0:09:56.1E,0.1,h10km,2km,
mb4.4/19,Error ellipse: s-maj=20.8km s-min=14.4km
az=115.0

ISC 19 09:46:32.5 0.5 14:63N-0:08:56.22E,0.08,h18km,n58,
e1950/46,mb4.2/28,MS3.4/15,Owen Fracture Zone

Code Station Name Az Az' Phase ID Op Time Res ISC
WSAR Wadi Sarin 8.86 15 Pn Pn 09 48 40.2 +0.5
0.2nm,0.3s,baz=212,slow=13,SNR=1.9

WSAR 2.8nm,0.8s
UOSS Minazif 10.26 360 Pn Pn 09 48 58.7 -0.3
13.39 258 Pn Pn 09 49 42.7 +0.8

ATD Arta Tunnel 13.39 258 LR LR 09 53 25.2
ARTD Arta Tunnel 13.39 258 LR LR 09 53 25.2
RAYN Ar Rayn 14.4 313 Pn Pn 09 49 41.3 -1.3

MSEY Mahe Island 19.19 182 P Pn 09 51 00.3 +3.8
HRA Herat 20.41 14 P Pb 09 51 11.0 +2.1
09 51 25.5

KBL Kabul 22.95 28 P Pn 09 51 38.9 +2.7
LODK Lodwar 23.39 244 P Pn 09 51 42.3 +1.7
LODK 09 51 53.3

NIL Nilore 24.43 36 P Pn 09 51 52.3 +2.0
09 52 08.1
KMBO Kilima Bogoro 24.45 232 LR LR 10 01 43.8
19.2,121nm,18.4s,baz=94,slow=38

EIL Elat 24.68 311 LR LR 10 02 05.8
PALK Pallekele 25.10 104 P Pn 09 51 59.4 +2.8
09 52 15.0

PALK 25.10 104 P Pn 09 51 59.4 +2.8
GEVA Gevas 26.31 336 P Pn 09 52 07.8 +0.3
09 52 22.9

MARD 26.44 332 P Pn 09 52 08.2 -0.3
GURO Guromak-BITLI 26.92 335 P Pn 09 52 13.4 +0.5
09 52 16.7

GNI Garni 27.34 341 LR LR 10 05 32.8
BTK Batken 28.27 34 P Pn 09 52 27.4 +1.5
09 52 35.0

MBAR Mbaratay 29.41 241 LR LR 10 03 04.7
KKAR Karatay Array 30.92 21 P Pn 09 52 47.8 -0.5
KBZ Khabaz 31.16 341 P Pn 09 52 51.8 +1.4

AAK Ala-Archa 32.04 26 P Pn 09 52 59.0 +0.7
09 53 12.6

AAK Ala-Archa 32.04 26 P Pn 09 53 00.4 +2.1
09 10 17.9

BRDH Bardi-Bala 34.43 71 LR LR 10 06 16.3
ABKAR Akbulak array 34.66 4 P Pn 09 53 20.4 -0.5
09 53 43.9

AKTO 35.74 2 P Pn 09 53 31.6 +1.4
AKTO 35.74 2 P Pn 09 53 31.6 +1.4
AKTO 35.74 2 P Pn 09 53 31.6 +1.4

MAKZ Makanchi 38.62 29 P Pn 09 53 56.5 +1.7
09 53 56.7 +0.8

MKAR 41.06 79 P Pn 10 12 08.6
BVAR Borovoye Array 39.92 13 P Pn 09 54 06.1 +0.6
09 56 10.3 -0.5

BVAR 39.92 13 P Pn 09 54 06.1 +0.6
09 56 10.3 -0.5

KURBB Kurchatov 40.19 22 P Pn 09 54 08.7 +0.9
CMAR Chiang Mai Array 41.06 79 P Pn 09 54 09.2 +0.6
09 54 13.6 -1.8

CMAR 41.06 79 P Pn 09 54 09.2 +0.6
09 54 13.6 -1.8

ARTI Arti 41.71 2 LR LR 10 11 43.4
AKASE Malin Array Be 42.08 334 P Pn 09 54 22.5 -0.8

ZALV Zalesovo Beam 45.18 24 P Pn 09 54 48.3 +0.1

ARSA Arzberg 46.87 323 P Pn 09 55 02.5 +0.9
09 55 30.5

GERES GERESS Array B 48.72 324 P Pn 09 55 16.3 +0.1

LBTB Lobatse 49.44 217 LR LR 10 15 05.9
TSUM Tsumeb 50.77 230 LR LR 10 18 22.9

FINES FINESS Array B 51.51 342 P Pn 09 55 36.9 0.0
BOSA Boshof 52.40 215 P Pn 09 55 43.4 -0.7
BOSA Boshof 52.40 215 P Pn 09 55 42.9 -1.2

TORD Torodi Arr Be 52.85 276 P Pn 09 55 47.2 -0.4
SONM Songino Array 52.90 40 P Pn 09 55 48.1 +0.4
SONM 52.90 40 P Pn 09 55 48.1 +0.4

ESDC 57.92 308 P Pn 09 56 23.2 -0.7
NRIK Noril'sk 58.12 13 P Pn 09 56 25.2 +0.5

ARCES ARCESS Array B 58.15 348 P Pn 09 56 24.2 -0.7
KSR5 Korea Array 66.81 55 P Pn 09 57 21.7 -1.6

H01W1 Cape Leeuwin H 73.75 133 T T 11 18 13.7
H01W2 Cape Leeuwin H 73.76 134 T T 11 18 17.7
H01W1 Cape Leeuwin H 73.77 133 T T 11 18 19.2

ASAJ Asahikawa 77.40 47 LR LR 10 34 33.1
MAW Mawson 82.15 177 LR LR 10 27 23.0
WRA Warranunga Arr 84.12 112 P Pn 09 58 59.9 -3.2

ASAR Alice Springs 84.89 116 P Pn 09 59 03.6 -3.3
PDAR Pinedale Array 121.41 348 PKP PKPpdf 10 05 23.7 -1.8
NVAR Mima Array Bca 126.97 355 PKI PKIpk 10 05 36.8 +0.1

TXAR Lajitas Array 132.17 336 PKP PKPpdf 10 05 46.3 +0.1
Code Station Name Az Az' Phase ID Op Time Res ISC
ATE Arette 0.19 44 Op Pn 09 50 19.2 -0.3

ATE 0.19 44 Op Pn 09 50 19.2 -0.3
ETSF Etsaut 0.24 101 e S Pn 09 50 22.7 +0.1
ETSF 0.24 101 e S Pn 09 50 19.7 -0.7

ORDF Ordari 0.27 352 Pg Pn 09 50 20.7 -0.1
ORDF 0.27 352 Pg Pn 09 50 24.8 +0.2
SJPF Ste Jean 0.30 304 e S Pn 09 50 20.8 -0.6

SJPF 0.30 304 e S Pn 09 50 25.5 -0.1
EORO Oroz-Betelu 0.32 261 Pg Pn 09 50 21.6 -0.1
EORO 0.32 261 Pg Pn 09 50 26.7 -1.3

EORO 0.32 261 Pg Pn 09 50 28.4
CANF Canfranc 0.32 124 Pg Pn 09 50 21.4 -0.4
CANF 0.32 124 Pg Pn 09 50 27.2 -1.0

CANF 0.32 124 Pg Pn 09 50 27.2 -1.0
REVF Montagne du Re 0.38 71 Pg Pn 09 50 22.7 -0.2
REVF 0.38 71 Pg Pn 09 50 28.5 -0.6

OSSF Ossees 0.42 318 Pg Pn 09 50 23.0 -0.5
OSSF 0.42 318 Pg Pn 09 50 29.4 +0.4
EALK Alkuruntz 0.53 301 Pg Pn 09 50 25.1 -0.6

EALK 0.53 301 Pg Pn 09 50 32.7 +0.0
EALK 0.53 301 Pg Pn 09 50 35.3 -0.6
EALK Alkuruntz 0.53 301 Pg Pn 09 50 25.1 -0.6

URDF Urds 0.54 23 Pg Pn 09 50 26.3 +0.6
EARA Aranguren 0.54 252 Pg Pn 09 50 26.7 +0.1

EARA 0.54 252 Pg Pn 09 50 37.0 -0.2
EARA Aranguren 0.54 252 Pg Pn 09 50 26.6 0.0
EARA Aranguren 0.54 252 Pg Pn 09 50 35.2 +0.8

EARA 0.54 252 Pg Pn 09 50 26.6 0.0
PYLO Lourdes 0.63 76 Pg Pn 09 50 36.4 +0.5
VIEF Vief 0.67 95 Pg Pn 09 50 27.6 -0.6

VIEF 0.67 95 Pg Pn 09 50 36.5 -0.6
LABF Labassere 0.71 81 Pg Pn 09 50 38.9 +0.6
LABF 0.71 81 Pg Pn 09 50 38.9 +0.6

TERF Tercis-les-Bai 0.75 347 Pg Pn 09 50 31.2 +1.0
ECHI Chisagues Biel 0.84 109 Pg Pn 09 50 30.6 -0.9

ECHI 0.84 109 Pg Pn 09 50 42.5 0.0
ECHI 0.84 109 Pg Pn 09 50 30.6 -0.9

EPF Esparros 0.90 84 Pg Pn 09 50 43.4 -1.0
EPF 0.90 84 Pg Pn 09 50 43.4 -1.0

MELF Melles 1.21 93 Pg Pn 09 50 38.0 -0.4
MELF 1.21 93 Pg Pn 09 50 55.6 +1.3

MELF 1.21 93 Pg Pn 09 50 40.7 +1.2
ESAC San Caprasio 1.26 166 Pg Pn 09 50 58.2 +2.6

ESAC 1.26 166 Pg Pn 09 50 58.2 +2.6

MLS Moulis 1.45 89 Pg Pn 09 50 43.1 0.0
MLS 1.45 89 Pg Pn 09 50 43.5 +0.5

SALF Salau 1.54 96 Pn Pn 09 50 43.9 +0.3
SALF 1.54 96 Pn Pn 09 51 05.8 +1.2

ELAN Lanestosa 1.89 280 Pn Pn 09 50 49.1 -0.5
ELAN 1.89 280 Pn Pn 09 51 14.1 +0.9

ELAN 1.89 280 Pn Pn 09 51 15.6
EPOB Poblet 2.16 137 Pn Pn 09 50 52.5 +1.5

EPOB 2.16 137 Pn Pn 09 51 18.9 +1.2
EPOB 2.16 137 Pn Pn 09 51 18.9 +1.2

EPOB 2.16 137 Pn Pn 09 51 27.0 -0.9
ETORE Torete 2.30 203 Pn Pn 09 51 55.1 -1.5

ETORE 2.30 203 Pn Pn 09 51 23.3 -1.6
ETORE 2.30 203 Pn Pn 09 51 29.9 -0.6

MTLF Montoliu 2.30 79 e S Pn 09 51 25.9 +0.8

MTLF 2.30 79 e S Pn 09 51 25.9 +0.8

LFF La Frestale 2.31 30 e S Pn 09 50 56.7 -0.1

LFF 2.31 30 e S Pn 09 51 25.8 +0.5

CAF Calviac 2.91 46 e S Pn 09 51 02.2 +0.9

CAF 2.91 46 e S Pn 09 51 32.5 -3.6

LASF Saint Croix 3.63 70 e S Pn 09 51 13.5 +2.3

LASF 3.63 70 e S Pn 09 51 49.2 -4.7

MFF Saint Martin d 3.69 8 e S Pn 09 51 13.8 +1.7

MFF 3.69 8 e S Pn 09 51 51.4 -4.1

GII 19 10:12:16.4 0.1 30:70N-0:00:34.878E,0:00:02,h0km,
Md1.4/c,confirmed,Dead Sea region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Op, Time, Res, ISC. Rows include PRNI, KRZI, KRMI, KRRI, YTRI, YTIR, MDSB, MSBI, MBRI.

Table with columns: EIL, ELat, 1.04 176 P, Pg, 10 12 29.8 -6.5, NANN, I/S, Sg, 10 37 26.0 -0.1, mblmp3.8/6, Error ellipse: s-maj=31.3km s-min=18.9km, az=70.0

IDC 19 10:23:35.71.7.5:89S:129.95E, h0km, mb3.6/1, mblmp4.1/5, ML4.2/3, Error ellipse: s-maj=49.1km s-min=28.0km az=69.0

DJA 19 10:23:47.1±0.3, 6°S:2°13'0E, h140km, 6km, M4.5/12, mb4.4/7, mB5.0/3, MLV4.5/12, Mw(mB)4.3/3

ISC 19 10:23:47.5±0.6, 0.70S:130.37E±0.07, h150km, n18, c=259/22, Banda Sea

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC, h m s, ISC

WRA Warrungga Arr 14.31 165 Pn Pn 10 27 02.0 -1.5

WRA 2.4nm, 0.3s, baz=342, slow=24, SNR=7.2, 1.0nm, 0.5s

PMG Port Moresby 16.96 102 Pn Pn 10 27 40.6 +4.5

ASAR Alice Springs 17.92 169 Pn Pn 10 27 48.3 +2.0

ASAR 0.9nm, 0.5s, baz=346, slow=19, SNR=5.6, 1.2nm, 0.5s

MKAR Makanchi Array 67.66 326 P P 10 34 32.3 +3.9

RSNC 19 10:27:19.0±0.0, 11°N:2°7'2W, h13km, 7km, M3.1, mb3.4, ML3.0

FUNV 19 10:27:19.3, 10:89N:72°17W, h9km, MW3.7, ISC 19 10:27:18.6±1.2, 10.90N:0.04:72.15W±0.03, h13km±10km, n29, c184/46, 3C-5D, Venezuela

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC, h m s, ISC

CATAC 19 10:36:40.5±0.6, 10:49N:86°14W, h15km, 5km, ML3.4, ISC 19 10:36:40.0±0.9, 10:55N:86°17W, h18km, 5km, MW3.6

UCR 19 10:36:40.2±1.5, 10:51N:0.04:86°15W±0.06, h16km±10km, n37, c059/45, 5C-1D, Off coast of Costa Rica

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC, h m s, ISC

Table with columns: CEDE, SABS, Laguna Cededo, Sabanita, 1.42 91 eP, Pn, 10 37 05.5 0.0, 10 37 06.1 -0.6

YACR Volcan Arenal 1.45 91 eP, Pn, 10 37 06.3 +0.5

SOCE Pocosol 1.51 95 eP, Pn, 10 37 07.2 +0.5

COPN Copalpete 1.71 345 iP, Pn, 10 37 10.0 +0.5

ACON Acopya 1.74 33 iP, Pn, 10 37 09.0 -0.8

ACON Acopya 1.74 33 eP, S, 10 37 32.2 +0.6

TRT2 Tortugero 2.38 89 iP, Pn, 10 37 20.3 +1.8

ISC 19 10:37:57.2±3.4, 0:04N:41°01'E, h0km, mb3.6/1, mblmp3.4/3, ML3.5/2, Error ellipse: s-maj=29.6km s-min=14.2km az=151.0

ISK 19 10:37:59.5, 40:26N:41°04'E, h8km, ML3.4/23, AFAD 19 10:38:00.0±0.0, 40:26N:41°02'E, h17km, 1km, ML3.5

TIF 19 10:38:00.3, 40:34N:41°14'E, h3km, 1km, ISC 19 10:38:00.6±0.8, 40:26N:0:02:41°04'E±0.02, h12km, 6km, n49, i325/72, Turkey

EMRE Erzurum-Aziyzi 0.23 191 P S P 10 38 05.3 -0.4, 10 38 10.0 +0.9, 10 38 10.0

AKDA Akdag 0.29 122 P i P 10 38 06.3 -0.5, 10 38 11.0, 10 38 11.6 -1.3, 10 38 12.0

EDAM Erzurum-Paland 0.40 154 P P 10 38 08.1 -0.6, 10 38 13.9 -0.2, 10 38 08.8 -0.4, 10 38 16.0 -1.0, 10 38 09.6 -0.4, 10 38 17.0

EJDE Erzurum, Palan 0.47 154 P S P 10 38 09.5 -0.5, 10 38 17.9 -0.3, 10 38 20.0

BAYB BAYBURT 0.60 270 P i P 10 38 12.2 -0.9, 10 38 21.0, 10 38 21.6 0.0, 10 38 22.0

IZDR Rize 0.64 326 P S P 10 38 12.7 -0.4, 10 38 21.8 -0.9, 10 38 12.8 -1.1, 10 38 22.1 -1.0, 10 38 13.9 -0.3, 10 38 23.6 -0.9, 10 38 17.1 -0.5, 10 38 29.0 -0.1, 10 38 17.2 -0.9, 10 38 20.2

KARO Karliova-Bingo 0.95 179 P S P 10 38 17.2 -1.2, 10 38 31.8 +0.1, 10 38 19.6 -1.3, 10 38 20.8 -1.9, 10 38 46.0

VRTB Varto-Mus 1.05 73 P P 10 38 20.8 -1.9, 10 38 21.7 -0.9, 10 38 21.9 -1.2, 10 38 42.3 +3.5, 10 38 22.1 -1.0, 10 38 22.9 -1.1, 10 38 22.9 -1.1, 10 38 23.3 -0.9, 10 38 23.4 -1.3, 10 38 24.5 -0.3, 10 38 44.2 +2.2, 10 38 24.9 -0.3, 10 38 44.4 +1.5, 10 38 26.5 0.0, 10 38 26.7 -0.6, 10 38 45.8 -1.0, 10 38 27.7 -0.1, 10 38 53.5 +3.9, 10 38 29.0 -0.8, 10 38 52.9 +1.5, 10 38 28.7 -0.2, 10 38 53.0 +0.8, 10 38 55.0

KARS Kars 1.60 76 Pn Pn 10 38 29.1 +0.2, 10 38 28.9 -0.2, 10 38 29.5 -0.2, 10 38 32.5 -0.1, 10 38 32.6 0.0, 10 38 32.6 0.0, 10 38 37.4 +0.3, 10 38 40.9 +0.3, 10 38 41.1 +0.3, 10 38 42.1 -0.1, 10 38 20.9 -1.9, 10 38 45.0 +1.6, 10 38 45.3 +0.5, 10 38 59.5 +3.2, 10 38 57.8 +1.7, 10 38 01.6 +3.5

MLAZ Malazgirt-MUS 1.61 133 Pn Pn 10 38 29.1 +0.2, 10 38 28.9 -0.2, 10 38 29.5 -0.2, 10 38 32.5 -0.1, 10 38 32.6 0.0, 10 38 32.6 0.0, 10 38 37.4 +0.3, 10 38 40.9 +0.3, 10 38 41.1 +0.3, 10 38 42.1 -0.1, 10 38 20.9 -1.9, 10 38 45.0 +1.6, 10 38 45.3 +0.5, 10 38 59.5 +3.2, 10 38 57.8 +1.7, 10 38 01.6 +3.5

GRBGR Gureymak-BITLI 1.87 155 Pn Pn 10 38 22.1 -1.0, 10 38 22.9 -1.1, 10 38 23.3 -0.9, 10 38 23.4 -1.3, 10 38 24.5 -0.3, 10 38 44.2 +2.2, 10 38 24.9 -0.3, 10 38 44.4 +1.5, 10 38 26.5 0.0, 10 38 26.7 -0.6, 10 38 45.8 -1.0, 10 38 27.7 -0.1, 10 38 53.5 +3.9, 10 38 29.0 -0.8, 10 38 52.9 +1.5, 10 38 28.7 -0.2, 10 38 53.0 +0.8, 10 38 55.0

AKHM Akdamar-Van 2.45 141 Pn Pn 10 38 40.9 +0.3, 10 38 41.1 +0.3, 10 38 42.1 -0.1, 10 38 20.9 -1.9, 10 38 45.0 +1.6, 10 38 45.3 +0.5, 10 38 59.5 +3.2, 10 38 57.8 +1.7, 10 38 01.6 +3.5

TASB TASSURUN-IGDIR 2.47 95 Pn Pn 10 38 40.9 +0.3, 10 38 41.1 +0.3, 10 38 42.1 -0.1, 10 38 20.9 -1.9, 10 38 45.0 +1.6, 10 38 45.3 +0.5, 10 38 59.5 +3.2, 10 38 57.8 +1.7, 10 38 01.6 +3.5

TRTG Trialeto 2.65 60 P S 10 38 45.0 +1.6, 10 38 45.3 +0.5, 10 38 59.5 +3.2, 10 38 57.8 +1.7, 10 38 01.6 +3.5

MAZI Mazidag 2.83 190 Pn Pn 10 38 45.3 +0.5, 10 38 59.5 +3.2, 10 38 57.8 +1.7, 10 38 01.6 +3.5

MTEO Meteo 3.57 46 P P 10 38 45.3 +0.5, 10 38 59.5 +3.2, 10 38 57.8 +1.7, 10 38 01.6 +3.5

CHRG Chargali 3.59 54 P P 10 38 45.3 +0.5, 10 38 59.5 +3.2, 10 38 57.8 +1.7, 10 38 01.6 +3.5

KBZ Khabaz 3.73 21 Pn Pn 10 38 45.3 +0.5, 10 38 59.5 +3.2, 10 38 57.8 +1.7, 10 38 01.6 +3.5

ISC 19 10:44:38.7±1.3, 5:05±0.1:146°5E±0.2, h100km, n6, c171/7, mb3.7/3, Eastern New Guinea region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC, h m s, ISC

PMG Port Moresby 4.42 172 P Pn 10 45 44.6 +1.0

JAY Jayapura 6.32 293 P Pn 10 46 10.7 +1.2

WRA Warrungga Arr 19.01 218 P P 10 48 50.8 -2.0

ASAR Alice Springs 22.19 212 P P 10 49 25.4 -1.5

ILAR Eilson Array 84.76 23 P P 10 57 01.6 +0.1

QSPA South Pole Qui 84.95 180 P P 10 57 01.5 -1.2

IDC 19 11:23:24.5±5.5, 18°49N:146°84E, h0km, mb3.9/10, mblmp3.9/10, Error ellipse: s-maj=170.5km s-min=37.6km az=9.0

ISC 19 11:23:32.5±5.3, 19°N:1°146°8E±0.3, h52km, n13, c052/10, mb3.9/10, Mariana Islands

H11S3 WAKE ISLAND Hy 18.85 87 T T 11 47 31.5

H11S1 WAKE ISLAND Hy 18.86 87 T T 11 47 31.9

H11S2 WAKE ISLAND Hy 18.87 87 T T 11 47 36.0

SONM Songlora Array 43.88 321 P P 11 31 34.9 +0.9

ZALV Zalesovo Beam 58.73 322 P P 11 33 24.5 -0.4

MKAR Makanchi Array 59.29 314 P P 11 33 29.2 +0.3

NRK NRK'sk 62.06 340 P P 11 33 47.0 -0.4

KURBB Kurchatov Arra 62.10 318 P P 11 33 47.6 -0.3

BVAR Borovoye Array 67.22 320 P P 11 34 21.1 -0.2

YKA Yellowknife Arr 77.58 28 P P 11 35 22.6 -0.3

NVAR North Pole Bea 82.37 52 P P 11 35 50.0 +0.5

ARCES ARCES Array B 82.91 342 P P 11 35 51.3 -0.1

FINES FINES Array B 87.41 336 P P 11 36 13.5 -0.5

MOS 19 11:25:05.0±1.2, 0:04S:124°34E, h54km, mb5.1/45, Error ellipse: s-maj=11.2km s-min=5.5km az=118.1

BUI 19 11:25:07.0, 0:10S:124°40E, h60km, mb4.9/53, mb5.1/16, Ms4.6/6, Ms7.4/27

IDC 19 11:25:07.1±1.2, 0:08S:124°27E, h60km, 10km, mb4.4/29, mblmp4.7/33, MS3.6/35, Error ellipse: s-maj=13.9km s-min=6.7km az=75.0

GCMT 19 11:25:07.5±0.4, 0:22S:0:03:124°59E±0.03, h59km, 3km, Mw=9.53, Moment Tensor Solution: s34:c43: s53:c67; Duration: 0 Moment Tensor: Scale 10^16Nm; M1: 7.3±1.7; M2: 0.58±1.3; M3: 1.16±1.5; M4: 0.17±0.8; M5: 1.34±1.0; M6: 1.37±1.0; Best double couple: Ms2.44800:10410; NP1: 0.19±0.00000; δ64.00000; δ68.00000; NP2: 0.241.00000; δ34.00000; δ127.00000. Principal axes: T 2.3220, Plg65.0000, Azm252.0000; N 0.2420, Plg19.0000, Azm29.0000; P -2.5740, Plg16.0000, Azm125.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rater function

NEIC 19 11:25:09.5±1.5, 0:15S:0:07:124°38E±0.06, h66km, 7km, mb5.0/107, Error ellipse: s-maj=10.0km s-min=8.6km az=169.0

DJA 19 11:25:09.7±0.1, 0:15S:12°44E, h65km, 2km, MS.0/57, mb5.4/18, mb5.1/57, MLV5.3/22, Mw(mB)4.9/18

ISC 19 11:25:08.9±0.4, 0:12S:0:03:124°35E±0.04, h69km, 3km, h68km±10km, PP-P, n395, c153/401, mb4.9/129, 13C-1D, Southern Molucca Sea

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC, h m s, ISC

19d 11h

Table with columns for station name, frequency, power, and other technical details. Includes stations like AAK, Ala-Archa, SGDS, ARSB, YAK, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like KBZ, Khabaz, SHA1, KIV, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like HFS, Hagfors, YKA, Yellowknife Ar, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BANI, RCC Rio Carpintero, PNC Pinares de May, etc.

PRES 19 11:50:37.3-1.1, 26.06S-29.11E, h0km, 4km, ML1.6, Suspected explosion, South Africa

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CRLN Carolina, TSWA Tswaing Meteor, DULL Dullstroom, etc.

NOU 19 11:52:15.6, 18.50S-169.25E, h213km, MLV4.4/15, Vanuatu Islands

ISC 19 11:52:17.4-1.6, 18.48S-169.09E, h237km, 16km, mb3.5/12, mbtmp3.2/14, Error ellipse: s-maj=16.6km s-min=14.2km az=158.0

ISC 19 11:52:13.3-0.6, 18.48S-169.4E, h200km, n45, r171/44, mb3.9/11, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DVP Devils Point, NOUC Port Laguerre, WRA Warrungarra Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GERES GERESE Array B, ARSA Arzberg, BIOA Bad Ischl, etc.

ISC 19 11:57:53.9-1.5, 16.26S-167.91E, h0km, mb3.8/3, mbtmp3.8/4, ML3.6/1, Error ellipse: s-maj=62.3km s-min=30.4km az=133.0, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, ILAR Eielson Array, NVAR Mina Array, etc.

ISC 19 12:09:52.0-0.4, 34.19N-45.60E, h7km, 2km, ML3.1

ISC 19 12:09:53.5, 34.19N-45.62E, h11km, 15km, ML3.0

ISC 19 12:09:54.1-0.3, 34.18N-45.62E, h10km, n18, r0.98/22, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GLG1 Gilan-e-Gharb, ILBA Ilbilis, SNQR Sonqor, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA Warrungarra Arr, ASAR Alice Springs, NVAO Nauru (SRO), etc.

ISC 19 12:44:41.0-0.9, 27.47N-129.75E, h0km, mb3.7/9, mbtmp3.7/10, ML3.9/1, MS3.9/2, Error ellipse: s-maj=24.0km s-min=17.2km az=96.0

JMA 19 12:44:45.0-0.1, 27.6N-129.7E, h0.9, h71km, 2km, MV3.4/27, NEAR AMAMI OSHIMA ISLAND

ISC 19 12:44:44.2-1.7, 27.49N-130.03E, h129.79E, 0.04, h23km, 13km, n36, r1500/47, mb, 7/9, Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JTK Tokunoshima, JTK Kikaisima, JAMN Amami Oshima, etc.

ISC 19 12:15:10.2-1.6, 30.88N-138.42E, h370km, 18km, mb3.2/11, mbtmp3.9/12, Error ellipse: s-maj=30.1km s-min=11.4km az=74.0

JMA 19 12:15:12.7-0.3, 31.1N-138.9E, h380km, MV3.5/30, NEAR TORISHIMA ISLAND

ISC 19 12:15:10.2-0.7, 31.01N-138.9E, h384km, n20, r1.93/27, mb3.4/11, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JHU2 Mitsune, JKS1 Iseki, BSOT Beso, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries like GOAT Goat Mountain, ACHA Angle Creek, GLI Glacier Island, etc.

IDC 19 14:33:49.4,999.0,53.70N,3.48E, h0km, Error ellipse: s-maj=517.5km s-min=158.2km az=114.0, North Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries like I26DE FREYUNG INFRAS, I43RU DUBNA INFRAS, etc.

IDC 19 14:36:44.8,4.6,8.98S, 158.93E, h0km, mb3.8/4, mbmp3.8/4, Error ellipse: s-maj=110.2km s-min=17.7km az=5.0

ISC 19 14:36:53.4,1.1,9.46S,0.06E,159.00E,0.09,h50km,n19, s=185/14,mb3.6/4,Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries like HNR Honiara, HNR Honiara, HNR Honiara, etc.

ISC 19 14:39:29.8,1.3,28.05N,0.04,112.15W,0.04,h2km,n17km,n6,az=37/12,1C-3D, Gulf of California

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries like SFQB San Francisqui, SFQB San Francisqui, SFQB San Francisqui, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries like SRIG Santa Rosalia, SRIG Santa Rosalia, SRIG Santa Rosalia, etc.

JMA 19 14:50:37.4,0.9,45.1N,5.14,9E,1,h30km,MV3.8/12, NEAR ETOROFU ISLAND

SKHL 19 14:50:39.0,0.3,44.60N,148.50E,h40km,4km,mb4.4/3, ISC 19 14:50:34.6,3.8,44.52N,10.09,148.9E,0.2,h50km,n14, az=250/24,Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries like KUR Kuril'sk, KUR Kuril'sk, KUR Kuril'sk, etc.

IDC 19 14:58:38.7,1.8,1.57S,127.39E,h0km,mb3.2/2, mbmp3.2/3,ML3.2/1,MS3.4/1, Error ellipse: s-maj=169.5km s-min=27.9km az=73.0,Halmahera

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries like WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

IDC 19 15:02:22.4,891.0,53.90N,4.53E,h0km, Error ellipse: s-maj=396.5km s-min=146.4km az=116.0,North Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries like I26DE FREYUNG INFRAS, I43RU DUBNA INFRAS, I31KZ AKTYUBINSK INF, etc.

IDC 19 15:23:06.4,918.0,53.99N,4.37E,h0km, Error ellipse: s-maj=409.0km s-min=158.7km az=113.0,North Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries like I26DE FREYUNG INFRAS, I43RU DUBNA INFRAS, I31KZ AKTYUBINSK INF, etc.

WEL 19 15:33:51.0,0.6,31.3S,18.0E,2.1,h292km,15km, mb4.3/7,ML4.7/7,MLV4.4/1,Mw(mb)3.5/7, Error ellipse: s-maj=28.7km s-min=4.6km az=109.4,confirmed, Kermadec Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries like GLKZ Green Lake, GLKZ Green Lake, GLKZ Green Lake, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries like KWHZ Kaweka Forest, KWHZ Kaweka Forest, KWHZ Kaweka Forest, etc.

IDC 19 15:38:30.3,2.2,1.23N,126.55E,h0km,mb3.2/3, mbmp3.3/3, Error ellipse: s-maj=185.1km s-min=26.6km az=66.0,Northern Molucca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries like WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

IDC 19 15:40:02.6,5.5,37.05N,71.82E,h131km,45km,mb3.3/5, mbmp3.9/10,MS3.4/1, Error ellipse: s-maj=47.2km az=165.0

NNC 19 15:40:06.5,5.9,37.65N,71.67E,h0km,mb4.1,mpv3.8, Error ellipse: s-maj=45.9km s-min=34.6km az=171.0

ISC 19 15:40:01.9,0.9,36.99N,0.06,71.93E,0.09,h150km,n29, az=260/32,mb3.5/5,2C-3D,Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries like AML Almayushu, UCH Uchtor, EKSZ Erkin-Say, etc.

Table with columns: CTA, Station Name, Az, El, P, M, Res, Time, Res, ISC. Includes stations like Charters Tower, Warramunga Arr, Tennant Creek, etc.

Table with columns: KAN14, Station Name, Az, El, P, M, Res, Time, Res, ISC. Includes stations like South Haven Sw, West end E0370, Bluff City North, etc.

Table with columns: NR1K, ILAR, BVAR, YKA, FINES, IDC, Code, Station Name, Az, El, P, M, Res, Time, Res, ISC. Includes stations like Noril'sk, Eielson Array, Borovoye Array, etc.

19d 19h

Table with columns: QIZ, DAV, NJV, SLVN, JNU, TIA, TJN, HNS, PZH, KRSR, CMAR, BJT, BJI, TNCH, LZH, SNY, MJAR, HHC, KAPI, KULM, CN2, XLT, MDJ, PSI, USRK, BNX, SONM, WMQ, WRA, PALK, MK31, MKAR, MKAR, H1S13, H1S11, H1S12, H1N11, H1N12, H1N13, YAK, KSH, AS31, ASAR, ASAR, PETK, ZALV, NIL, KURK, KURKB. Each row contains station name, time, and various codes.

2018 DEC

Table with columns: HNR, KBL, KBL, KKAR, BVAR, BVAR, BRVK, BRVK, NRIK, NRIK, NRIK, NRIK, BILL, BILL, ABKAR, E19K, G19K, G19K, N17K, L18K, L19K, B22K, G21K, D22K, E22K, E22K, D23K, E23K, G23K, D24K, F24K, F24K, G24K, G24K, F25K, F25K, ILAR, ILAR, ARCES, ARCES, E27K, E27K, I26K, I26K, FINES, FINES, EGAK, EGAK, AKAS, AKAS, NOA, NOA, YKA, YKA. Each row contains station name, time, and various codes.

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Table with columns: BRVK, BRVK, QSPA, QSPA, C23K, C23K, CATAC, CATAC, GCG, GCG, ISC, ISC, Code, Station Name, Time, Res. Each row contains station name, time, and various codes.

19C 19:21:57.5±0.2, 36°42'N, 121°35'E, h0km, mb3.7/8, mbtmp3.6/12, ML1.0/2, Error ellipse: s-maj=41.3km s-min=19.2km az=21.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PYLOS, Artemida-Makis, Veliai, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PYLOS, Artemida-Makis, Veliai, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ZRDN, KHGB, KRM1, etc.

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NAO, BUI, IDC, etc.

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

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

19d 19h

Table with columns for call letters, frequency (MHz), and mode (e.g., Pn, P, S, eSn). Rows include stations like VAE, RAFF, BCI, and DRME.

2018 DEC

Table with columns for call letters, frequency (MHz), and mode. Rows include stations like ANTO, ANKRA, ANKRA, and ANKRA.

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Table with columns for call letters, frequency (MHz), and mode. Rows include stations like BIOC, BIOC, BIOC, and BIOC.

Table with columns for station name, frequency, power, and other technical details. Includes stations like KSP, ROTZ, AK07, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like MNK, MNSK, MINSK, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like SNART, BELG, KONO, etc.

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Table with 6 columns: Station ID, Name, Frequency, Power, and other metrics. Includes stations like D28M Stokes Point, TIA Tai'an, SPPA Standing Stone, etc.

Table with 6 columns: Station ID, Name, Frequency, Power, and other metrics. Includes stations like NJ2, FFC Flin Flon, I30M Mount Dempster, etc.

Table with 6 columns: Station ID, Name, Frequency, Power, and other metrics. Includes stations like PAX Paxson, J18K Innoko River, DHY Denali Highway, etc.

Table of stations and their associated data including call sign (e.g., CRAG, KDAK), frequency, class, and location.

Table of stations and their associated data including call sign (e.g., BDI, SARO), frequency, class, and location.

Table of stations and their associated data including call sign (e.g., MPPT, CARD), frequency, class, and location.

IDD 19 19:45:39.5, 1.9, 21.86Sx 169.77E, h0km, mb3.9/6, mbmp3.9/8, ML4.2/2, MS3.8/13, Error ellipse: s-maj=81.1km s-min=20.5km az=158.0

Southeast of Loyalty Islands NE19:45:43.6-0.9, 22.1Sx 169.83E, 0.07, h25km, n46, 1833/35, mb3.9/6, MS3.7/10, Southeast of Loyalty Islands

Table of stations and their associated data including call sign (e.g., MARNC, MARNC), frequency, class, and location.

Table of stations and their associated data including call sign (e.g., WTTA, RISSD), frequency, class, and location.

IDD 19 20:06:21.7-2.6, 36.81Sx 179.02E, h0km, mb4.3/3, mbmp4.3/4, ML3.9/1, Error ellipse: s-maj=64.3km s-min=37.9km az=137.0

WEL 19 20:06:26.0, 1.2, 37.54Sx 17.9E, 1.0, h12km, M3.9/12, ML4.1/12, MLV3.9/12, Error ellipse: s-maj=13.2km s-min=5.2km az=90.4, confirmed

ISC 19 20:06:25.0, 2.1, 37.19Sx 0.06, 179.11E, 0.09, h30km, 12km, n101, 1858/10, mb4.1/7, Off east coast of North Island

Table of stations and their associated data including call sign (e.g., MXZ, MXZ), frequency, class, and location.

Table with columns: KRHZ, Kereru, 3.26 221, P, Pn, 20 07 14.0 0.0, BLIS, Bitlis-Merkez, 2.32 320, P, Pp, 21 18 31.6 -1.0

Table with columns: BLIS, Bitlis-Merkez, 2.32 320, P, Pp, 21 18 31.6 -1.0, HAPS, Han Pijesak, BI, 2.41 39, ePn, Pp, 21 18 54.8 -1.3

Table with columns: HAPS, Han Pijesak, BI, 2.41 39, ePn, Pp, 21 18 54.8 -1.3, RVRC, Santa Cesarea, 2.47 150, ePn, Pp, 21 18 54.8 -1.3

Table with columns: BBOO, Buckleboo, 35.31 264, P, P, 20 13 17.3 -0.1, AS31, Alice Springs, 40.88 276, P, P, 20 14 04.4 0.0

Table with columns: ROM 19 21:18:12.2, 0.4, 42:25N, 0.02:16:91E, 0:02, h10km, TIR 19 21:18:12.8, 0.4, 11N, 16:39E, h12km, M2.7

Table with columns: RHSSO 19 21:28:47.3, 0.8, 42:18N, 16:86E, h8km, 3km, ML2.5/9, BEO 19 21:28:47.7, 0.9, 41:87N, 17:05E, h0km, ML2.3/7

Table with columns: IDC 19 20:41:07.6, 51.0, 17:81S, 176:72W, h0km, mb3.8/3, mbmtpp3.8/3, Error ellipse: s-maj=949.3km

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, ISC, Time, Res, H m s, ISC

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, ISC, Time, Res, H m s, ISC

Table with columns: IDC 19 21:13:11.6, 45.0, 16:92S, 178:50W, h589km, 6.5km, mb3.5/3, mbmtpp4.3/4, Error ellipse: s-maj=850.1km

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, ISC, Time, Res, H m s, ISC

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, ISC, Time, Res, H m s, ISC

Table with columns: AFAD 19 21:17:49.8, 0.0, 36:55N, 43:95E, h16km, 1km, ML3.3, TEH 19 21:17:50.4, 0.4, 36:63N, 44:02E, h7km, 35km, ML3.3

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, ISC, Time, Res, H m s, ISC

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, ISC, Time, Res, H m s, ISC

Table with columns: CUKT, Cukurca, 0.68 332, P, Pp, 21 18 04.5 -0.2, CUKT, Cukurca, 0.68 332, P, Pp, 21 18 05.2 +0.7

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, ISC, Time, Res, H m s, ISC

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, ISC, Time, Res, H m s, ISC

Table with columns: MAHB, Mahabad, 1.37 84, P, Pp, 21 18 15.9 -0.4, SIRS, Sirkak, 1.54 304, P, Pp, 21 18 19.1 -0.1

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, ISC, Time, Res, H m s, ISC

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, ISC, Time, Res, H m s, ISC

1199

Table with columns for city/country, flight number, status, and time. Includes cities like MUNDARING, KARANG PUCUNG, NINGANCHIAO, etc.

2018 DEC

Table with columns for city/country, flight number, status, and time. Includes cities like TENMABAYASHI, KOREA ARRAY, NANJING, etc.

19d 21h

Table with columns for city/country, flight number, status, and time. Includes cities like LUOYANG, MUDANJIANG, HONGSHAN, etc.

19d 21h

Table with columns for station name, frequency, and various signal strength and quality metrics.

2018 DEC

Table with columns for station name, frequency, and various signal strength and quality metrics.

1200

Table with columns for station name, frequency, and various signal strength and quality metrics.

1201

2018 DEC

19d 21h

Table with columns: Station, Name, Date, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Sheep Creek Mo, Alakant, Kurchatov, Kurchatov Arra, Mawson, Alatina River, Ala-Archa, Anaktuvuk Pass, Eielson Array, Karamyk, Salcha River, Hadweencik Riv, Sand Creek, Your Creek, Batken, Taraz, Coal Creek Min, Franklin Bluff, Christian River, Noril'sk, Eagle, Kavik River, Boroday, Haines Junctio, Doyon Strip, Jago River, Borovoye Array, Bella Bella, Dease Lake, Inuvik, Inuvik, Inuvik, Inuvik, Crozet Islands.

Table with columns: Station, Name, Date, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Herat, Yreka Blue Hor, Forest Hills D, Abkural array, Princess Elisa, Mina Array Bea, Belgrano 2, Belna Mountains, Pinyon Flats O, Wildcat Mounta, Newport, Rapa Nui, Elko, Yellowknife Ar, Misoula, Nahampoana Res, Dugway, Tooele, Dillon, Voigts, Ambohianom, Sanae, Bozenan (W), Hardware Ranch, Flagg Ranch, Eagleton, Neumayer Olymp, Pinedale Array, Red Lodge, Mesa Verde, Makhachkala, LASA Array, Kingsbay, Albuquerque, Idaho Springs, Dagmar, Briggsdale, Thule, Kislodovsk, Kevo, ARCES Array B, Lajas Array, Ogallala, Amarillo, Lac du Bonnet, Anapa, Simferopol, Simferopol.

Table with columns: Station, Name, Date, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Minsk, Keeskin Array B, State Center, Soroca, Cathedral Cave, Carcaliu, Boshof, Topalu, NORSAR Array B, Bucovina Array, Nehoivi, Lobatse, Muntele Rosu, Kaitiaki Pacla, Vicksburg, Sutherland, Suthend Hutu, Lusaka, Comitec, Sowa, Arges, Kolonic sedl, HUMR Humele, Mbarar, Kaudwane, Petrohne, Stebnicka Huta, Marisel-Cluj, Sekoma, DRGR, Hope Point, Hope Point, Bloomington, Gura Zlata, Wyandotte Cave, Sira, Liptovska Anna, Herculane, Farmland, Paso Flores, Buzias, Piszkesteto, Ostrava-Krasne, Moldovita, Yhne, Yhne, Lakeview Retre, Moravsky Berou, Moravsky Berou, Kacgac, Kralik, Bovan, Ostas, Ostas, Ostas, Ostas, Dobruska-Polom, Dobruska-Polom.

19d 22h

Table with columns for station name, frequency, mode, and signal strength. Includes stations like DPC, CHVC, LKGSB, VRAC, MODS, etc.

2018 DEC

Table with columns for station name, frequency, mode, and signal strength. Includes stations like WATA, WTAA, WIN, WINDHOEK, etc.

1202

Table with columns for station name, frequency, mode, and signal strength. Includes stations like MORF, SAML, PTBL, VILB, SABA, etc.

DNK 19 21:42:27.1z, 7.141N-11.35W, h8km, 25km, ML 1.2
BER 19 21:42:28.7z, 7.140N-11.28W, h12km, 20km, mb(Pr)3.5,
ML1.2(DNK), Confirmed Earthquake
ISC 19 21:42:27.1z, 7.153N-11.05W, 0.05, h33km, 9km,
n16, c1568/28, Jan Mayen Island region

Table with columns for Code, Station Name, Azimuth, Phase ID, Time Res, and Signal Strength. Includes stations like JMI, JMW, JNC, etc.

AFAD 19 22:33:31.5z, 0.3871N-38.11E, h7km, 2km, MW3.5
ISK 19 22:33:31.1z, 38.72N-38.11E, h5km, ML3.3/23
ISC 19 22:33:31.8z, 0.3872N-0.02-38.11E, 0.02, h6km, 9km,
n42, c1905/69, Turkey

Table with columns for Code, Station Name, Azimuth, Phase ID, Time Res, and Signal Strength. Includes stations like HEKM, AKED, AKCD, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries like TNCU, Tunceli-Merkez, CZAR, Zara_SIVAS, etc.

DJA 19 22:38:00.0, 0.6, 7.7 N5.5, 12.6 E6.1, h10km, M4, 9/18, mB5.4/9, mb5.0/18, MLv0.12, Mw(mb)4.9/9
IDC 19 22:38:00.1-1.3, 6.71N, 126.43E, h77km, 10km, mb4.0/20, mbtmp4.4/22, MS3.4/3, Error ellipse: s-maj=25.8km
s-min=10.6km az=68.0
NEIC 19 22:38:00.7, 1.7, 6.64N, 0.09, 126.29E, 0.0, h77km, 5km, mb4.6/51, Error ellipse: s-maj=16.2km s-min=8.7km az=48.0

ISC 19 22:38:00.3-0.9, 6.70N, 0.05, 126.38E, 0.08, h79km, 8km, n121, 1920/128, mb4.5/43, Mbandao

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries like DAV, Davao City (W), DAV, Davao City (W), etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries like CMAR, comp=Z, 0.5nm, 0.3s, baz=123, slow=8.4, SNR=7.1, GSI, Gurungstotoli, AS31, Alice Springs, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries like KUR, 520nm, 0.2s, SHO, Shikotan, etc.

SDJA 19 22:45:50.2, 0.6, 24.03S, 66.94W, h201km, 4km, ML3.2, MW3.4
GUC 19 22:45:51.1, 0.7, 24.02S, 66.99W, h199km, 10km, ML3.6
ISC 19 22:45:49.7-2.0, 24.03S, 66.96W, 0.04, h205km, 18km, n27, 1920/147, 1C, Saïta Province

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries like AC1, AC01, Pan de Azucar, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Op, ISC, h, m, s, Res, ISC. Includes stations like NOA, HFS, and HFS.

SSNC 20 00:15:02.2-1.0, 18.38N:79.94W, h20km±17km, MD3.7, ML2.8, 1D, North of Honduras

Table with columns: Code, Station Name, Az, Phase, ID, Op, ISC, h, m, s, Res, ISC. Includes stations like MTJD, LMGC, MARVS, RCC, PNC, GTBY, and MASC.

HEL 20 00:28:13.6-0.1, 67.83N:20.16E, h0km, ML2.7, Explosion UPP 20 00:28:13.5-0.0, 67.85N:20.21E, h0km, ML2.5, Unknown ISC 20 00:28:13.5-0.8, 67.85N:0.02-20.25E:0.03, h0km, n30, ±108/49, Sweden

Table with columns: Code, Station Name, Az, Phase, ID, Op, ISC, h, m, s, Res, ISC. Includes stations like KUA, RATU, LANU, DUNU, MASU, KIF, PAJU, HET, HEF, KLF, KTK1, HARU, KALU, KALU, TOF, RNF, RAUF, KEV, RANF, VRF, OUL, OLKF, OLKF, MSK, KU6, KU1.

IDC 20 00:41:57.2-0.8, 4.73N:96.82E, h0km, mb3.8/10, mbmp3.8/13, ML3.9/3, MS3.2/7, Error ellipse: s-maj=29.9km s-min=15.2km az=53.0 NEIC 20 00:41:58.2±1.6, 4.62N:0.05:96.63E:0.08, h10km, 1km, mb4.2/11, Error ellipse: s-maj=15.4km s-min=6.2km az=293.0 DJA 20 00:42:00.2-0.2, 5.2N:97.7E, h10km, M4.6/15, mb4.8/2, mb6.0/1, MLV4.4/15, Mw(mb)5.7/1

ISC 20 00:41:58.7±1.6, 4.66N:0.03:96.70E:0.10, h12km±10km, n50, ±1942/51, mb4.0/18, MS3.5/3, 1C, Northern Sumatra

Table with columns: Code, Station Name, Az, Phase, ID, Op, ISC, h, m, s, Res, ISC. Includes stations like MLSI, LHMI, BSI, TSI, SNSI, PSI, RPSI, GSI, GSI.

Table with columns: Code, Station Name, Az, Phase, ID, Op, ISC, h, m, s, Res, ISC. Includes stations like CMBY, KULM, IPM, MNSI, SRIT, PBSI, BKNI, PPI, CMAR, PALK, BRDH, HNS, BJT, NWAO, AAK, MK31, MKAR, SONM, ULN, WBO, WRA, AS31, ASAR, KURB, COEN, ZALV, RAYN, BAYN, BOR, ABKAR, MBAR, BRTR, BOS, B21K, F20K, TORD.

KRNET 20 00:48:32.9-0.1, 42.72N:79.40E, h28km, mb2.7 SOME 20 00:48:32.6, 42.68N:79.37E, h10km NINC 20 00:48:33.0-0.4, 42.73N:79.37E, h0km, mb3.2, mpv3.1, Error ellipse: s-maj=2.6km s-min=1.1km az=146.0 ISC 20 00:48:33.7±1.4, 42.75N:0.04:79.33E:0.04, h10km, 9km, n47, ±078/89, 14C-3D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Phase, ID, Op, ISC, h, m, s, Res, ISC. Includes stations like SHLS, SHLS, SHLS, SHLS, UZB, UZB, UZB, PDGK, PDGK, PRZ, PRZ, SATY, SATY, SATY, ZHN, ZHN, ZHN, ZHN, ZHN, KPKS, KPKS, KPKS, KPKS, KURS, KURS, KURS, KURS, KURS, KURS.

Table with columns: Code, Station Name, Az, Phase, ID, Op, ISC, h, m, s, Res, ISC. Includes stations like ANVS, BLB, BLB, TARG, TARG, KNOS, KNOS, DJR, DJR, DJR, KOTS, KOTS, KOTS, KOTS, KDJ, KDJ, MDOK, MDOK, MDOK, MDOK, TNSS, TNSS, TNSS, TNSS, ARXS, ARXS, ARXS, ARXS, CHKK, CHKK, CHKK, CHKK, MTBS, MTBS, MTBS, MTBS, ULHL, ULHL, ULHL, KST, KST, KST, KST, BOOM, BOOM, DGS, DGS, DGS, DGS, DGS, DGS, TKM2, TKM2, TKM2, MK31.

NEIC 20 00:53:52.0±1.9, 49.8N:0.1:156.5E:0.2, h43km, 7km, mb4.3/14, Error ellipse: s-maj=23.3km s-min=11.6km az=141.0 KRSC 20 00:53:52.4±2.0, 49.96N:157.29E, h19km, 38km, M4.6, Felt [|||] at Severo-Kuril'sk; [|||] at Podgornay. MOS 20 00:53:54.6±0.9, 50.02N:156.52E, h77km, mb4.4/5, Error ellipse: s-maj=15.4km s-min=4.2km az=76.6 MOS Felt (|||) at Severo-Kuril'sk. IDC 20 00:53:56.7±2.4, 50.04N:156.52E, h74km, 20km, mb3.6/13, mbmp3.9/17, MS3.1/3, Error ellipse: s-maj=20.8km s-min=12.7km az=143.0

ISC 20 00:53:54.3±1.3, 49.86N:0.09:156.83E:0.07, h59km±11km, n117, ±1926/135, mb4.0/24, 1D, Kuril Islands

Table with columns: Code, Station Name, Az, Phase, ID, Op, ISC, h, m, s, Res, ISC. Includes stations like SKR, SKR, SKR, SKR, PAU, PAU, PAU, MTRV, MTRV, RUS, RUS, RUS, RUS, GRL, GRL, APC, APC, KRM, KRM, KRM, KRM, PEAOB, PEAOB, PETK, PETK, PETK, PETK.

20d 1h

Table with columns for station name, frequency, mode, and signal strength. Includes stations like PET, DALK, Ugllovaya, Somma, Koryakskii, etc.

2018 DEC

Table with columns for station name, frequency, mode, and signal strength. Includes stations like ECSD, WRA, GNI, TX31, etc.

1206

Table with columns for station name, frequency, mode, and signal strength. Includes stations like WBO, WRA, BVAR, BRVK, etc.

SSRD Sdr. Stenderup 5.51 318 eP Pn 01 01 53.1 -0.5
FABU Falkenberg 5.80 341 iP Sn 01 01 58.5 +1.0
FABU 01 02 59.3 -5.4

IDC 20 01:52:04.4±1.7, 1.97N; 127.41E, h0km, mb3.7/5,
mbtp3.8/5, Error ellipse: s-maj=117.5km s-min=19.0km
az=7.0
NEIC 20 01:52:16.0±1.4, 1.72N; 120.10E, 0.1, h89km, 7km,
mb4.4/18, Error ellipse: s-maj=19.2km s-min=11.8km
az=59.0
DJA 20 01:52:19.2±0.8, 2.13N; 127.2E, h91km, 9km, M3.8/7,
mb4.0/1, MLV3.6/7
ISC 20 01:52:16.6±0.8, 1.82N; 010.127.1E, 0.1, h100km, n27,
a184/27, mb4.1/13, Halmahera

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like TMTI Ternate, SANI Sanana, KKB Balikpapan, etc.

NEIC 20 02:03:55.3±1.2, 12.7S; 0.1, 169.9E, 0.2, h647km, 9km,
mb4.5/31, Error ellipse: s-maj=22.3km s-min=18.6km
az=106.0
IDC 20 02:03:56.0±1.8, 12.80S; 169.91E, h666km, 24km,
mb3.5/18, mbtp4.4/20, Error ellipse: s-maj=18.2km
s-min=15.2km az=158.0
ISC 20 02:03:55.1±0.5, 12.74S; 0.08, 169.9E, 0.1, h650km, n112,
a090/107, mb4.3/33, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SANVU Soraoutou, MSVF Nonsavu, DZM Mont Dzumac, etc.

AKCZ Akaroka Harbour 31.13 176 P P 02 09 23.8 +0.1
STKA Stephens Creek 32.20 229 P P 02 09 33.7 +0.8
WBO Warramunga Arr 34.73 254 P P 02 09 53.5 -0.6

WBO 20 02:09:54.3 -0.6
WB2 Warramunga Arr 34.78 253 P P 02 09 54.2 -0.5
WRAB Tennant Creek 34.78 253 P P 02 09 53.9 -0.7
WRA Warramunga Arr 34.80 253 P P 02 09 54.2 -0.5

AS31 Alice Springs 35.76 247 P P 02 10 02.5 -0.2
ASAR Alice Springs 35.76 247 P P 02 10 02.5 -0.2
MJAR Matsushiro Arr 57.39 330 P P 02 12 43.7 -0.4

KSRS Korea Array 63.59 324 P P 02 13 25.3 +0.8
VNSA Vanda 64.91 182 P P 02 13 32.2 +0.1
CASY Casey 66.32 202 P P 02 13 40.7 -0.3

USA0B Ussuriysk Arr 66.32 331 P P 02 13 41.8 +0.4
USRK Ussuriysk Arr 66.32 331 P P 02 13 43.6 +2.2
PEA0B Petropavlovsk 66.41 352 P P 02 13 42.1 +0.3

PETK Petropavlovsk 66.41 352 P P 02 13 42.5 +0.7
PSI Prapat 72.10 277 P P 02 14 15.6 -1.0
CMAR Chiang Mai Arr 76.49 293 P P 02 14 42.2 +1.3

G19K Cape Douglas, 77.32 18 P P 02 14 44.2 -0.2
M16K Timber Creek, 77.57 15 P P 02 14 46.2 +0.4
SONMI Songino Array 82.44 323 P P 02 15 11.1 -0.4

F19K Shalerucik Mo 82.83 12 P P 02 15 13.3 +0.6
E19K Redstone River 83.47 12 P P 02 15 16.9 +0.9
IL3I Eielson Array 83.88 17 P P 02 15 16.8 -1.2

ILAR Eielson Array 83.88 17 P P 02 15 16.6 -1.4
NVAR Mina Array Bea 84.06 49 P P 02 15 19.2 -0.6
J25K Salcha River 84.20 18 P P 02 15 18.8 -1.0

B21K Ikpikpak River 85.18 12 P P 02 15 27.7 +0.5
LTY Liberty 85.82 40 P P 02 15 28.1 +0.2
F10A Beach Ranch, E 87.53 42 P P 02 15 36.2 +0.2

U15A North Rim 87.92 52 P P 02 15 38.8 +0.5
X16A Lo Mia Camp, P 87.99 54 P P 02 15 38.9 +0.3
PDAR Pinedale Array 91.74 47 P P 02 15 55.3 -0.4

TXAR Lajitas Array 93.10 61 P P 02 16 02.5 -0.4
YKA Yellowknife Ar 94.63 27 P P 02 16 07.5 -0.6
ZALV Zalesovo Beam 97.30 324 P Pdf 02 16 19.3 -1.0

MKAR Makanchi Array 97.53 316 P Pdf 02 16 21.4 -0.1
ARCES ARCES Array B 118.95 346 PKP PKPdf 02 21 30.2 -0.8
FINES FINES Array B 124.78 340 PKP PKPdf 02 21 41.8 -0.6

NB2 NORSAR Subarray 29.33 347 PKP PKPdf 02 21 50.5 -0.6
NOA NORSAR Array B 129.33 347 PKP PKPdf 02 21 50.2 -1.0
HFS Hagfors 129.53 345 PKP PKPdf 02 21 51.1 -0.4

SENI Lac Senin/Sane 143.39 340 PKP PKPdf 02 22 16.1 -0.4
INRA Norcia 143.90 330 PKP PKPdf 02 22 18.3 +0.2
NRC Introdacqua 144.12 329 PKP PKPdf 02 22 18.7 -0.1

TIP Tiapagrande 144.52 323 PKP PKPdf 02 22 19.7 +0.1
TORD Tor di Ar, Bea 168.27 373 PKP PKPdf 02 22 47.5 -2.5
MOS 20 02:04:26.5±1.0, 12.73S; 169.77E, h666km, mb4.7/16,
Error ellipse: s-maj=12.0km s-min=9.1km az=134.5
NOU 20 02:04:26.5, 12.75S; 169.87E, h658km, mb4.9/71, Santa
Cruz Islands Region
NEIC 20 02:04:26.3±1.4, 12.73S; 0.07, 169.9E, 0.1, h646km, 5km,
mb4.9/83, Error ellipse: s-maj=15.4km s-min=9.0km
az=109.0
IDC 20 02:04:26.5±1.3, 12.75S; 169.90E, h658km, 14km,
mb4.0/20, mbtp5.0/23, Error ellipse: s-maj=13.9km
s-min=10.7km az=88.0
BUJ 20 02:04:26.8, 12.35S; 170.01E, h666km, mb4.7/71,
mb4.8/18
ISC 20 02:04:27.0±0.5, 12.80S; 0.05, 169.88E, 0.06, h663km, 5km,
n396, a118/416, mb4.8/99, 19C-4D, Santa Cruz Islands
region

FUTU Fugatoga 11.77 99 P P 02 07 03.5 0.0
EIDS Eidsvold 21.68 232 P P 02 08 33.3 +0.2
EIDS Eidsvold 21.68 232 P P 02 08 33.5 +0.3
PMG Port Moresby 22.26 226 P P 02 08 39.7 +1.4

PMG Port Moresby 22.26 226 P P 02 08 41.2 +0.3
PMG Port Moresby 22.54 276 P P 02 08 41.2 +0.3
PMG Port Moresby 22.54 276 P P 02 08 40.7 -0.2
TVH Townsville Har 23.58 276 P P 02 08 41.5 +0.6

CTA Charters Tower 23.77 249 P P 02 08 46.5 +0.9
ARMA Armidale 24.23 221 P P 02 08 57.6 +1.0
AUPHS Pee High Scho 25.32 221 P P 02 09 05.6 +1.0

TOZ Taharoa Road 25.33 170 P P 02 09 05.6 +0.6
HAZ Te Kaha 25.83 166 P P 02 09 08.0 -1.5
COEN Coen 26.00 264 P P 02 09 12.1 +0.8

COEN Coen 26.00 264 P P 02 09 11.9 +0.6
AULRC Lightning Ridg 26.21 227 P P 02 09 13.3 +0.4
RTZ Ruatuhuna 26.47 167 P P 02 09 14.5 -0.7

NNVZ North Ngauruho 26.71 170 P P 02 09 18.6 +1.2
TMVZ Te Maari 26.71 170 P P 02 09 18.5 +1.2
ETVZ East Tongariro 26.73 170 P P 02 09 17.5 0.0

OTVZ Oturere 26.75 170 P P 02 09 18.7 +1.0
NGZ Ngahue 26.75 170 P P 02 09 19.0 +1.3
COVZ Chateau Observ 26.77 170 P P 02 09 19.3 +1.4

SNVZ South Ngauruho 26.77 170 P P 02 09 19.4 -0.4
BKZ Black Stump Fm 26.90 169 P P 02 09 18.5 -0.4
BKZ Black Stump Fm 26.90 169 P P 02 09 18.5 -0.4

CKZH Cape Kidnapper 27.59 168 P P 02 09 23.7 -1.1
KAZH Kahurangi 27.59 168 P P 02 09 25.1 -1.5
PKZ Pawanui 28.01 176 P P 02 09 30.0 +1.6

ORZ Quartz Range 28.01 176 P P 02 09 29.9 -0.2
MRZ Mangatainoka R 28.20 171 P P 02 09 54.3
TKNZ Takaka Hill 28.25 175 P P 02 09 31.6 +1.1

KIWI Kapiti Island 28.30 172 P P 02 09 29.8 -1.0
HOWZ Holdsworth Sta 28.42 171 P P 02 09 30.3 -1.7
MRNZ Matariki Terra 28.60 175 P P 02 09 34.8 +0.9

MTNZ Mount Morrison 28.67 171 P P 02 09 32.4 -1.0
TMWZ Te Maipa 28.68 171 P P 02 09 32.7 -1.5
TUWZ Tuamarina 28.74 174 P P 02 09 35.3 +0.7

PAWZ Paruwai Farm 28.88 171 P P 02 09 34.5 -1.4
DSZ Denniston North 28.88 177 P P 02 09 37.1 +1.2
THZ Tophouse 28.97 175 P P 02 09 37.2 +0.5

INZ Inchbonnie 29.18 178 P P 02 09 45.2 +0.2
LTZ Lake Taylor 29.18 178 P P 02 09 44.9 -0.1
QIS Queen's Hill 29.18 178 P P 02 09 45.7 +0.2

GVZ Greta Valley S 30.18 175 P P 02 09 46.5 -0.4
GVZ Greta Valley S 30.18 175 P P 02 09 46.5 -0.4
OXZ Oxford 30.47 177 P P 02 09 49.7 +0.3
OXZ Oxford 30.47 177 P P 02 09 48.8 -0.6

20d 3h

Table with columns: YKA, Yellowknife Ar, 95.97 27 P, P, 02 38 54.3 -1.1, comp=Z,55nm,0.1s, Valle Fertil, 3.07 68 eP, Pn, 02 38 18.0 -1.0, 02 38 55.4

SJA 20 02:37:29.9+0.8, 31.866S:70.74W, h120km,6km, ML2.9, MW3.2

GUC 20 02:37:31.1+0.6, 31.89S:70.77W, h99km,2km, ML3.2

ISC 20 02:37:32.1+1.4, 31.875S:02.70W, 0.04, h104km,10km, n50, c0994/83, Chile-Argentina border region

Main table for 20d 3h section, listing station names, coordinates, and times for various stations like Los Peladeros, Catapilco, San Esteban, etc.

2018 DEC

Table with columns: AVFE, Valle Fertil, 3.07 68 eP, Pn, 02 38 18.0 -1.0, 02 38 55.4

NEIC 20 03:03:43.8+1.8, 16.00S:0.07X73.26W, 0.08, h54km,9km, mb4.2/12, Error ellipse: s-maj=12.4km s-min=8.7km

VAO 20 03:03:44.3+1.8, 15.80S:73.02W, h62km, 11km, mb4.2

GUC 20 03:03:46.7+0.6, 16.40S:73.42W, h79km,18km, ML5.3

Main table for 2018 DEC section, listing station names, coordinates, and times for various stations like Chacalluta, IROC Station P, etc.

1210

Table with columns: KURBB, Kurchatov Arr, 138.60 27 PKP, PKPKP, 03 23 01.2 -1.7

TAP 20 03:25:58.0, 23.31N:122.05E, h41km, ML3.1, C

JMA 20 03:25:57.6+0.1, 23.30N:122.07E, 0.03, h25km,12km, n93, c070/142, Taiwan region

Main table for 1210 section, listing station names, coordinates, and times for various stations like Changbin, Ruisui, etc.

Table with columns: PTMZ, Houxiangcun, 3.21 303 eP, Pn, 03 26 46.6 +0.8. Includes BGR 20 04:00:26.7, 21.56S:175.96W, h33km and NOU 20 04:00:32.4, 20.68S:174.58W, h155km, mb4.9/42, Tonga Islands.

Table with columns: CTAO Charters Tower, 35.50 265 P P P, 04 07 24.3 +1.2. Includes CTAO Charters Tower, CTAO Charters Tower, CMSA Cobar Meteorol, QLP Quijipe, PMG Port Moresby, PMG Port Moresby, STKA Stephens Creek, STKA Stephens Creek.

Table with columns: SEY Seymchan, 87.47 346 P P P, 04 13 11.2 -0.3. Includes MENT Mentasta, VNA2 Neumayer-Watz, PDAR Pinedale Arr, VNA1 Neumayer-Stat, COLA College, IL3 Illar, ILAR Eielson Array, L29M L29M, F20K Avaraat Lake, F20K Avaraat Lake, G23K Bananza Creek, EGAK Eagle, EGAK Eagle, XAN Xian, XAN Xian, XAN Xian, E22K Anaktuvuk Pass, E22K Anaktuvuk Pass, F24K Squaw Lake, HHC Hu-ho-hao-te, HHC Hu-ho-hao-te, HHC Hu-ho-hao-te, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, PZH Panzhihua, PZH Panzhihua, PZH Panzhihua, INK Inuvik, INK Inuvik, YKA Yellowknife Arr, YKA Yellowknife Arr, SONM Songdo Array, SONM Songdo Array, PARMO Parma, PARMO Parma, ZALV Zalesovo Pass, ZALV Zalesovo Pass, MKAR Makanchi Arr, MKAR Makanchi Arr, KURBS Kurchatov Arr, KURBS Kurchatov Arr, BVAR Borovoye Arr, BVAR Borovoye Arr, ARCES ARCES Array B, ARCES ARCES Array B, FINES FINES Array B, FINES FINES Array B, FINES FINES Array B, FINES FINES Array B, NB2 NORARS Array B, NB2 NORARS Array B, NOA NORARS Array B, NOA NORARS Array B, HFS HFS, HFS HFS, AKASB Malin Array S, AKASB Malin Array S, AKAB Malin Array S, AKAB Malin Array S, KIEV Kiev, KIEV Kiev, LODK Lodwar, LODK Lodwar, RNPNS Starb Chorlot, RNPNS Starb Chorlot, LUBAR Lubar, Ukraine, LUBAR Lubar, Ukraine, SORM Soroca, SORM Soroca, SORM Soroca, HORU Horodok, HORU Horodok, BSEB Beseb, BSEB Beseb, PURM Purcari, PURM Purcari, GAZ Gaziantep, GAZ Gaziantep, KMPD K-Podoli skiy, KMPD K-Podoli skiy, KIEV Kiev, KIEV Kiev, BNN Bunyan, BNN Bunyan, RUE Ruedersdorf, RUE Ruedersdorf, KWP Kalwarja Pacia, KWP Kalwarja Pacia, NRDL Niedersach Ries, NRDL Niedersach Ries, FLTG Flechtingen, FLTG Flechtingen, OJC Ojcow, OJC Ojcow, BUR0B Bucovuina Ar. S, BUR0B Bucovuina Ar. S, TLR TLR, STHS Stenbicka Huta, STHS Stenbicka Huta, KOLS Kolonica sedl, KOLS Kolonica sedl, TESR Tescani, TESR Tescani, KIEV Kiev, KIEV Kiev, BRTR Keskin Array B, BRTR Keskin Array B, BRTR Keskin Array B, BRTR Keskin Array B, KSP Ksiaz, KSP Ksiaz, KIRS Kirehir-Merke, KIRS Kirehir-Merke, CLZ Claitha, CLZ Claitha, CFR Carailui, CFR Carailui, NIE Niedzica, NIE Niedzica, PFER Topolog, PFER Topolog, HSKK Horsk Svrate Kat, HSKK Horsk Svrate Kat, CLL Collm, CLL Collm, CLL Collm, CLL Collm, CLL Collm, CLL Collm, CLL Collm, CLL Collm, CLL Collm, VOST Ostas, VOST Ostas, VRI Vriocinia, VRI Vriocinia, UPCI Upice, UPCI Upice, SPBR Spulber, SPBR Spulber, GTTG Gottin, GTTG Gottin, DPC Dobruska-Polom, DPC Dobruska-Polom, DRG Berggiesshubel, DRG Berggiesshubel, NEUB Neuenburg, NEUB Neuenburg, HARR Harsova, HARR Harsova, KIEV Kiev, KIEV Kiev, LANS Liptovska Anna, LANS Liptovska Anna, MORC Moravsky Berou, MORC Moravsky Berou, MORC Moravsky Berou, MORC Moravsky Berou, PVCC Panska Ves, PVCC Panska Ves, HSKK Horsk Svrate Kat, HSKK Horsk Svrate Kat, NEHR Nechoi, NEHR Nechoi, KECS Kecoov, KECS Kecoov, KASTN Kahler Asten, KASTN Kahler Asten, MAUC Maucka, MAUC Maucka, MLR Muntele Rosu, MLR Muntele Rosu, MLR Muntele Rosu, MLR Muntele Rosu, MMAI Mount Meron Ar, MMAI Mount Meron Ar, MOX Moxa, MOX Moxa.

20d 4h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like UBBA Unterbreizbach, PLB Plauen, MDN Mudrunn, etc.

NIC 20 04:19:45.5, 35.06'N, 33.87'E, h44km, 1km, M1, 7/6
ISK 20 04:19:47.2, 35.32'N, 33.60'E, h0km, ML2.5/14, Suspected

mining explosion.
ISC 20 04:19:46.5, 0.9, 35.27'N, 0.02, 33.69'E, 0.03, h0km, n26,
+187/42, 1C, Cyprus region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LFK Lefkose, MVOU Mavrovouni, ATHAL Athalassa, etc.

ISC 20 04:43:27.4, 3.5, 23.00'N, 143.41'E, h44km, 29km, mb3.7/8,
mbmp4.0/10, ML3.7/1, Error ellipse: s-maj=37.3km
s-min=20.5km az=68.0

ISC 20 04:43:27.9, 1.2, 23.00'N, 0.1, 143.4E, 0.2, h48km, n13,
+099/11, mb4.0/1, Volcano Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JCJ Chichijima, KRSR Korea Array, H1S3 WAKE ISLAND Hy, etc.

2018 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MKAR Makanchi Array, KURBB Kurchatov Arra, BVAR Borovoye Array, etc.

ATH 20 04:54:10.8, 37.65'N, 20.52'E, h12km, 2km, ML2.4/8, Error
ellipse: s-maj=4.0km s-min=1.4km az=42.0, Ionian Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ORTH Orthonies, Zaky, LTHK Lithakia, etc.

ISC 20 04:54:36.8, 0.7, 36.33'N, 23.09'E, h0km, mb4.1/20,
mbmp4.0/31, ML3.8/10, MS3.3/14, Error ellipse:
s-maj=15.1km s-min=11.0km az=36.0

MOS 20 04:54:36.7, 1.2, 36.21'N, 22.98'E, h10km, mb4.5/10, Error
ellipse: s-maj=7.3km s-min=4.6km az=84.2

ISK 20 04:54:38.6, 36.34'N, 22.96'E, h19km, ML4.1/14
THE 20 04:54:39.2, 36.32'N, 23.01'E, h0km, 1km, ML3.8/7, Error
ellipse: s-maj=1.7km s-min=0.5km az=215.0

NEIC 20 04:54:39.0, 1.9, 36.19'N, 22.91'E, 0.08, h10km, 1km,
mb4.5/26, Error ellipse: s-maj=14.8km s-min=9.0km
az=2.0

PDG 20 04:54:40.3, 0.9, 36.31'N, 23.02'E, h10km, 2km, ML4.1/11,
Error ellipse: s-maj=1.4km s-min=1.7km az=0.0

AFAD 20 04:54:44.0, 0.0, 36.63'N, 23.12'E, h33km, MW4.3
NAO 20 04:54:59.3, 39.20'N, 25.79'E, h10km, mb4.0
TIR 20 04:55:08.7, 37.58'N, 20.08'E, h18km, 31km, ML3.9

ISC 20 04:54:39.6, 0.9, 36.31'N, 22.91'E, 0.03, h18km, 6km,
n365, +1973/392, mb4.4/37, MS3.3/8, 37C-13D, Southern
Greece

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MNVA Monemvasia, VLI Veliai, ANKY Antikythira Is, etc.

Table with columns: IDI, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Anoyia, Kalavryta, Ach, etc.

Table with columns: PDG, Podgorica, 6.77 336 ePn, Pn, 04 56 19.0 +1.0, etc. Lists various stations and their coordinates.

Table with columns: KHC, Kasperske Hory, 14.55 335 Pn, Pn, 04 58 05.3 +0.7, etc. Lists various stations and their coordinates.

Table with columns: MKAR, Makanchi Array, 44.61 57ceP, P, 05 02 50.0 -0.8, etc. Lists various stations and their coordinates.

Table with columns: ID, Name, RA, Dec, Az, El, Type, and other parameters. Includes entries like PB09, AP01, PB18, PB04, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, and other parameters. Includes entries like HATJ, IRIF, JKRS, etc.

Table with columns: ID, Name, RA, Dec, Az, El, Type, and other parameters. Includes entries like MDJ, GUMO, CMAR, etc.

Summary text at the bottom of the page containing technical details and coordinates: IDC 20 05:16:13.8... 0.24, 02N, 123.41E, h0km, mb4.3/20, mbmp4.3/20, ML3.3/2, MS3.7/31, Error ellipse: s-maj=19.9km s-min=16.0km a-z=64.0...

Table listing station details for the 1215 region, including station names like NC303, KOLS, NOA, LANS, and VRAC, along with their frequencies and parameters.

NEIC 20 05:18:37.5:1.8, 16:37S:0.09:177:15W:0.06, h10km, 1km, mb4.2/7, Error ellipse: s-maj=15.6km s-min=8.2km az=21.0

IDC 20 05:18:39.9:1.3, 16:27S:177:67W, h0km, mb3.9/5, mbmp3.9/6, ML5.4/1, MS3.7/12, Error ellipse: s-maj=44.0km s-min=26.6km az=149.0

ISC 20 05:18:38.0:1.8, 16:45S:0.1:177:23W:0.09, h10km, n30, r155/17, mb4.2/9, MS3.8/5.8, Fiji Islands region

Main table listing station details for the 1215 region, including station names like FUGATOGA, NONSAVU, MONT DZUMAC, etc., and their frequencies and parameters.

NOU 20 05:52:11.2, 16:24S:168:06E, h0km, mb4.5/31, Vanuatu Islands

NEIC 20 05:52:12.8:1.2, 16:23S:0.06:167:72E:0.05, h10km, 1km, mb4.5/21, Error ellipse: s-maj=10.4km s-min=6.9km az=150.0

IDC 20 05:52:16.3:2.5, 16:27S:167:91E, h43km, 24km, mb4.0/11, mbmp4.3/14, ML4.3/2, MS3.9/37, Error ellipse: s-maj=19.7km s-min=17.5km az=126.0

ISC 20 05:52:12.7:0.5, 16:23S:0.04:167:92E:0.07, h10km, n106, r165/73, mb4.6/26, MS3.9/34, 1-C-1D, Vanuatu Islands

Continuation of the station details table for the 1215 region, including station names like SARANOU, DEVILS POINT, etc., and their frequencies and parameters.

Table listing station details for the 2018 DEC region, including station names like TINGOA RENBEL, NONSAVU, HONIAIRA, etc., and their frequencies and parameters.

NEIC 20 05:26:13.0:1.0, 16:23S:0.06:167:72E:0.05, h10km, 1km, mb4.5/21, Error ellipse: s-maj=10.4km s-min=6.9km az=150.0

IDC 20 05:52:16.3:2.5, 16:27S:167:91E, h43km, 24km, mb4.0/11, mbmp4.3/14, ML4.3/2, MS3.9/37, Error ellipse: s-maj=19.7km s-min=17.5km az=126.0

ISC 20 05:52:12.7:0.5, 16:23S:0.04:167:92E:0.07, h10km, n106, r165/73, mb4.6/26, MS3.9/34, 1-C-1D, Vanuatu Islands

Main table listing station details for the 2018 DEC region, including station names like TINGOA RENBEL, NONSAVU, HONIAIRA, etc., and their frequencies and parameters.

Table listing station details for the 20d 5h region, including station names like PINYON FLATS, GOLDSTONE, EIELSON ARRAY, etc., and their frequencies and parameters.

NEIC 20 05:52:23.1:1.0, 16:13N:0.03:150:02W:0.07, h46km, 8km, ML3.0/145, ML2.9/A(1C), Error ellipse: s-maj=5.0km s-min=4.4km az=109.0, Southern Alaska

ISC 20 05:52:12.7:0.5, 16:23S:0.04:167:92E:0.07, h10km, n106, r165/73, mb4.6/26, MS3.9/34, 1-C-1D, Vanuatu Islands

IDC 20 05:52:16.3:2.5, 16:27S:167:91E, h43km, 24km, mb4.0/11, mbmp4.3/14, ML4.3/2, MS3.9/37, Error ellipse: s-maj=19.7km s-min=17.5km az=126.0

Main table listing station details for the 20d 5h region, including station names like FIRE ISLAND, RABBIT CREEK A, SUSITNA ONE, etc., and their frequencies and parameters.

20d 6h

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, and various station codes (L19K, N25K, etc.). Includes data for stations like Zalesovo, Alakak, and others.

IDC 20 06:05:28.7.3.5,55.60N-.86.03E, h0km, mbmtb2.8/2, ML2.4/2, Error ellipse: s-maj=30.6km s-min=25.5km az=42.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station codes (I46RU, ZALV, ZALV, etc.). Includes data for stations like Zalesovo, Kurbatov, and others.

IDC 20 06:18:31.0.0.9,50.24N-177.95E, h0km, mb4.1/19, mbmtb4.2/21, ML4.4/2, MS3.2/5, Error ellipse: s-maj=23.8km s-min=15.9km az=5.0

MOS 20 06:18:32.6.1.3,50.38N-177.92E, h1km, mb4.5/11, Error ellipse: s-maj=11.1km s-min=8.4km az=85.1

NEIC 20 06:18:36.5.1.8,50.7N.0.1:177.96E:0.10, h10km, 1km, mb4.3/87, Error ellipse: s-maj=18.6km s-min=10.4km az=179.0

ISC 20 06:18:35.1.0.6,50.56N.0.09:177.97E:0.04, h10km, n348, f1506/325, mb4.3/62, MS3.2/4, 1D, Rat Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station codes (SHEM, SHEM, SHEM, etc.). Includes data for stations like Shemya, Shehjek, and others.

2018 DEC

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, and various station codes (ADK, GDR, ATKA, NIKH, etc.). Includes data for stations like Sitkin, Adak, and others.

1216

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, and various station codes (L19K, O20K, H18K, etc.). Includes data for stations like White Mountain, Slope Mountain, and others.

Table with columns: ILAR, Name, Az, El, P, Az, El, P, Az, El, P, Az, El, P. Rows include stations like Eielson Array, Aiyikyak River, Noodor Dome, etc.

Table with columns: EPYK, Name, Az, El, P, Az, El, P, Az, El, P, Az, El, P. Rows include stations like Eagle Plains, Blow River, Stokes Point, etc.

Table with columns: BRVK, Name, Az, El, P, Az, El, P, Az, El, P, Az, El, P. Rows include stations like Borovoye, Lajitas Array, Panzhihua, etc.

THE 20 06:34:16.1, 40:90'N-29:74'E, h0km,8km,ML4.4/4, Error ellipse: s-maj=18.9km s-min=1.7km az=71.0...

Table with columns: Code, Station Name, Az, El, P, Phase ID, Time, Res. Rows include stations like ARMT, AVCI, KAVV, etc.

20d 6h

2018 DEC

1218

Table with columns for station names (SLVT, EDC, DOMA, etc.), coordinates (0.85 316, etc.), and status indicators (Pg, P, S, A, i, AML, etc.). Includes various station codes like MANT, KIRTA, etc.

Table with columns: Station Name, Frequency, Power, Band, Azimuth, Elevation, SNR, and other technical details. Includes stations like Yerezhino-Bor, Malin Array, and various KWP/KIEV stations.

Table with columns: Station Name, Frequency, Power, Band, Azimuth, Elevation, SNR, and other technical details. Includes stations like Moscow, Kest, Belgomoye, and various international stations.

Table with columns: Station Name, Frequency, Power, Band, Azimuth, Elevation, SNR, and other technical details. Includes stations like Ulanbaatar, Tixi, Lanzhou, and various international stations.

Technical notes and coordinates for stations: IDC 20 06:58:25.8, 0.8, 36.66N, 137.43E, h0km, mb3.7/6, mbtmp3.7/8, ML3.6/2, MS3.2/11, Error ellipse: s-maj=2.1km s-min=1.1km az=15.0. NIED 20 06:58:27.0, 36.50N, 137.49E, h6km, MW4.2, Moment Tensor Solution, s3 Moment tensor: Scale 10^15Nm, Mw=1.5, Mw-0.40, Mw-0.11, Mw-1.37, Ms=0.82, Fault plane solution: Ms2.10000x10^15 NP1: phi=332.00000; delta=33.00000; lambda=39.00000. NP2: phi=85.00000; lambda=147.00000. JMA 20 06:58:27.0, 0.0, 36.55N, 0.1, 137.50E, 0.2, h6km, 1km, MD4.3/20, MW4.2/20, TOYAMA GIFU BORDER REG JMA Felt J1 at TOYAMA GIFU BORDER REG ISC 20 06:58:27.0, 1.0, 36.53N, 0.04, 137.51E, 0.03, h8km, 7km, n36, e1943/21, mb3.8/6, MS3.2/7, 4d, Eastern Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Power, Band, SNR, and other technical details. Includes stations like Tlatay, Niukaw, JNG, MAT, MJAR, JHH, JJN, JNT, JSZ, JKG, JAO, JICN, JHG, SHZ, JJKY, JNU, JNU, KSRS, ASAJ, USRK, PETK, GUMO, MA2, SONM, SONM, DAVO, MKAR, KURBB, KDKA, WRA, ASAR.

Table with columns: Station, Class, Frequency, Power, etc. Includes stations like ACON, ACOPYA, ABILENE, ALBUQUERQUE, etc.

Table with columns: Station, Class, Frequency, Power, etc. Includes stations like ABILENE, ALBUQUERQUE, ALHAMBRA, etc.

Table with columns: Station, Class, Frequency, Power, etc. Includes stations like ALBUQUERQUE, ALHAMBRA, ALMADA, etc.

20d 9h

Table of astronomical observations for the 20d 9h period, listing station names, coordinates, and observation times.

2018 DEC

Main table of astronomical observations for 2018 DEC, including station names, coordinates, and observation times.

1224

Table of astronomical observations for 1224, including station names, coordinates, and observation times.

YKA Yellowknife Ar 145.120 PKPbc PKPbc 09 32 19.6 -0.8
0.2nm,0.7s,baz=338,slow=4,SNR=2.8

IDC 20 09:16:47.5:0.7,4.65N:73:27W,h0km,mb3.8/9,
mbmp3.9/10,ML4.5/1,MS3.3/7,Error ellipse:
s-maj=20.5km s-min=11.4km az=18.0
NEIC 20 09:16:51.0:2.8,4.55N:0.06:73:37W,h0km,2km,
mb4.5/11,Error ellipse: s-maj=12.1km s-min=8.3km
bz=50.0

VAO 20 09:16:51.7:0.4,4.42N:73:22W,h10km,mb4.3
RSNC 20 09:16:52.0:0.5,1N:1x74W, h0km,2km, M3.8,mb4.8,
mb4.9,ML3.6,Mv(m)B4.2
ISC 20 09:16:49.1:0.8,4.49N:0.02:73:36W,0.03,h4km,5km,n88,
z=508/129,mb4.2/13,MS3.2/5,Colombia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h m s, ISC. Lists various stations like Chingaza, Villavicencio, El Rosal, etc.

Main table with columns: PB04, IFOC Station P, 26.85 173, P, Iamb, P, Iamb, 09 22 30.8 -0.3, etc. Lists stations like San Pedro de A, Las Campanas, etc.

Table with columns: comp=Z.215nm,0.3s, 20d 9h, 09 22 30.8 -0.3, etc. Lists stations like San Lorenzo, Zapla, Chumizma, etc.

1227

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like ARK Arkit, BOOM Boomskoye usch, AAK Ala-Archa, etc.

2018 DEC

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like AAA Alma-Ata, KNDC Almaty, KNDC Kandy, etc.

20d 11h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like BTLS Konyrien, KNOS Konyrien, JMU JMU, etc.

20d 11h

Table with columns for station call signs (e.g., AJM, BVA0, BVAR), frequencies, and signal metrics. Includes sub-headers like 'comp=E, 153nm, 0.5s' and various signal strength indicators.

2018 DEC

Table with columns for station call signs (e.g., UOSS, SEKA, HATD), frequencies, and signal metrics. Includes sub-headers like 'comp=Z, 14nm, 0.8s, baz=247, slow=40, SNR=79'.

1228

Table with columns for station call signs (e.g., SONM, SLWR, GEVA), frequencies, and signal metrics. Includes sub-headers like 'comp=Z, 3um, 21.2s, baz=268, slow=39'.

Table with columns for flight number (e.g., GYA, MOS, CIT, OBN, PHRAE, LYN, SIM, SLVN, SLV, NRIK, XLT, HTS, ASF, KIRS, BR131, BRTR, BRTR, BR104, BR106, BR105, PALK, PALK, ANTO, ANTO, ANTO, ANTO, MMAI, MMAI, MDUB, HIA, WHN, WHN, WHN, TIA, TIA, TIA, TIA, AKASG, AKASG, AKASG, AKASG, AKASG, AKASG, AKB, AKB, AKB), flight details (time, status, weight, etc.), and performance metrics (e.g., 11 14 16.6, 11 19 17.2).

Table with columns for flight number (e.g., AKBB, KIEV, KIEV, KIEV, KIEV, KIEV, BOR, NAYO, MILM, MILM, MILM, SORM, TPGR, LUBAR, CFR, CFR, MNK, MNK, MNK, MNK, MNK, MNK, MNK, MNK, MNK, MNK, NDN, JOF, ODBI, NAC, HORU, KMPD, TESR, TESR, VRI, VRI, VRI, PLO, PLO, PLO, MANT, ONER, ISR, RNP, RNP, RNP, NEHR, COVR, TURR, DL2, DL2, DL2, DL2, DL2, DL2, MLR, MLR, MLR, MLR, MLR, LVZ, LVZ, LVZ, NJ2, NJ2, NJ2, NJ2, QIZ, QIZ, QIZ, QIZ, BURAR, BURAR, BURAR, APA, APA, APA, APA, KSV, DOPR, ARBE, VOIR, VOIR, VOIR, STNU, ALN, ALN, ALN, EZN, EZN, EZN, LVV, FIA1, FIA1, FIA1, FINES, FINES, FINES, FINES, FINES, FINES, FINES), flight details, and performance metrics (e.g., 33.78 305, 33.78 305, 33.78 305).

Table with columns for flight number (e.g., ARCR, ARR, RABU, PABE, PABE, RDO, TNR, TNR, TNR, SUW, SUW, SUW, SUW, SUW, SRIT, SRIT, SRIT, KARP, KARP, KARP, MTSE, CN2, CN2, CN2, CN2, KEF, KWP, KWP, KWP, KWP, MARR, BERU, ZEA, ZEA, ZEA, ZEA, ZEA, ZEA, BSI, DRGR, DRGR, HOLU, KOLS, KOLS, HEH, HEH, HEH, HEH, GZR, GZR, GZR, BNX, BNX, BNX, STHS, STHS, STHS, VADS, VADS, VADS, VAF, SIRR, SIRR, BEL, BZS, BZS, BZS, MDVR, ATD, IDI, IDI, IDI, BOVS, KECS, KECS, KECS, NIE, NIE, NIE, KEV, KEV, KEV, LIT, LIT, LIT, OJC, OJC, OJC, OJC, OJC, ARAO, ARAO, ARAO, ARCES, ARCES, ARCES, PSZ, PSZ, PSZ, LANS, LANS, LANS, YAK, YAK, YAK, YAK, YAK, YAK, YAK, YAK, YAK, YAK, YAK), flight details, and performance metrics (e.g., 37.11 299, 37.14 296, 37.14 301).

20d 11h

Table with columns for station code, name, frequency, and signal strength. Includes stations like YAK, FNA, KTK1, MDJ, etc.

2018 DEC

Table with columns for station code, name, frequency, and signal strength. Includes stations like GOPC, STEI, PVCC, MORB, etc.

1230

Table with columns for station code, name, frequency, and signal strength. Includes stations like OVD, OVD, FLTG, LESA, MOX, etc.

1231

Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like SSB, KEST, MDSI, JMJC, NOR, NOR, YLMDL, etc.

2018 DEC

Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like DY2G, F14K, B21K, D19K, E17K, etc.

20d 11h

Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like H22K, I20K, F26K, L14K, E28M, etc.

20d 11h

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like SKT Skwentna, O17K Kolliganek Bris, N19K Bonanza Creek, etc.

2018 DEC

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like M31M Drury Creek, O28M Mount Upton, F280 Faro, Yukon, etc.

1232

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like LCRK Leigh Creek, TATA Tatamba Isabel, B08A Colville Reser, etc.

VI 20 11:12:53.4±0.9, 47.61N×11.06E, h0km, mb1.1/1.1, ml1.0/1.2, Error ellipse: s-maj=5.8m, s-min=2.2m, az=27.0.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like RETA Reutte, MOTA Moomsal, SQTA Sankt Quirin, etc.

KR 20 11:14:51.4±1.2, 55.31N×165.94E, h29km, 10km, M13.5, Komandorsky Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like BKI Bering, KBTR Krutoberegovo, KMNK Kamenistaya, etc.

IDC 20 11:17:07.2±1.3, 29.86N×84.68E, h0km, mb3.8/6, mbmp3.87, ML3.8/1, MS4.1/2, Error ellipse: s-maj=56.6km s-min=26.6km az=63.0

ISC 20 11:17:12.4±1.3, 29.0N×02.847E±0.3, h35km, n9, c0556/7, mb3.8/6, Nepal

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like MKAR Makanchi Array, KURBB Kurchatov Arra, FINES FINESS Array B, etc.

JMA 20 11:21:58.8±0.2, 24°N, 1°E, 123°05'±0.5, h60km±4km, MV1.9/12, NEAR IISHIGAKIJIMA ISLAND

TAP 20 11:21:59.0, 23°17'N, 122°34'E, h47km, 1km, ML2.7, 10km

ISC 20 11:21:55.1±1.2, 23.71N×003.122E±0.02, h10km±10km, n88, c1908/174, Taiwan region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like E0S4 E0S4, JYNG Yonangunijimak, YOJ Yonangunijima, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IRIF, EOS2, JIJ, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YWUC, PTMZ, IDC 20 11:28:54.0, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PMG, TOO, COEN, etc.

20d 11h

Table containing station call letters, frequencies, and signal strength indicators (e.g., P, S, Pn, Sn) for various stations.

2018 DEC

Table listing station call letters, frequencies, and signal strength indicators (e.g., eP, eS, P, Pn, Sn) for various stations.

1234

Table listing station call letters, frequencies, and signal strength indicators (e.g., LR, P, Pn, Sn, S) for various stations.

2018 DEC

Table containing various astronomical observations for December 2018. Columns include object names (e.g., BRDH, JMDO, MOY), coordinates (Right Ascension, Declination), magnitudes, and other parameters. Includes a '2012 12h' column.

Table containing various astronomical observations for December 2018. Columns include object names (e.g., MMAI, AKASO, AKKB), coordinates (Right Ascension, Declination), magnitudes, and other parameters.

Table containing various astronomical observations for December 2018. Columns include object names (e.g., TOLK, TORO, I23K), coordinates (Right Ascension, Declination), magnitudes, and other parameters.

IDC 20 11:53:36.0 0.9, 3.0' 03"N; 123.67'E, h138km, 91km, mb33/5, mbmp3.7/6, Error ellipse: s-maj=80.1km s-min=18.7km

DJA 20 11:53:36.3 0.5 0.5 0.4' 12.4"E, h106km, 12km, M4.1/13, mb4.9/4, mB4.9/1, MLV4.0/13, Mw(mb)4.2/1

ISC 20 11:53:33.9 1.1, 0.03N 0.03' 123.95E 0.07, h110km, n16, s1840/16, mb3.7/5, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, A' AZ', Phase ID, Time, Res. Lists seismic stations like KMSI, LUWI, KAPSI, etc.

HEL 20 12:01:39.2 0.1, 61.74N; 27.63E, h0km, ML1.1, Explosion, Finland

Table with columns: Code, Station Name, A' AZ', Phase ID, Time, Res. Lists seismic stations like RUF, KAF, FIAO, etc.

UPP 20 12:04:26.5 1.3, 63.17N; 22.83E, h0km, ML1.8

HEL 20 12:04:24.0 0.2, 63.04N; 22.95E, h0km, ML1.3, Explosion, Finland

Table with columns: Code, Station Name, A' AZ', Phase ID, Time, Res. Lists seismic stations like VAF, VAF, KEF, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res. Includes stations like Q09A Carvers, WENL Wente Vineyard, DSP Deep Springs, etc.

NEIC 20 13:30:45.8-0.7,39:13N:010:119.74W:0.01,h6km,4km, Error ellipse: s-maj=1.7km s-min=1.2km az=201.

REN 20 13:30:45.0,9.9,39:11N:011:119.73W:0.01,h8km,1km, ML3.0:ML2.9:ML2.9(NEIC). Error ellipse: s-maj=1.7km s-min=1.4km az=223.0, Nevada

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res. Includes stations like PNR Pine Nut, MPK Martus Peak, RUBR Rubicon Trail, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res. Includes stations like WAKR Walker, WAKR Walker, WAKR Walker, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res. Includes stations like MVSP Nonsavu, WRA Warramunga Arr, ASAR Alice Springs, etc.

SOME 20 13:40:30.4,39:48N:74:22E,h15km KRN20 13:40:32.0,0.1,39:11N:74:39E,h16km,mb3.1 NNC 20 13:40:33.2,1.5,39:64N:74:17E,h0km,mb3.9,mpv3.5, Error ellipse: s-maj=11.2km s-min=5.7km az=172.0

ISC 20 13:40:34.0,1.5,39:14N:077:43.4E:0.04,h10km,n37, az=286/48,18C-10D,Southern Xinjiang

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res. Includes stations like SFK Sufi-Kurgan, SALK Salom-Alik, OHH Osh, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res. Includes stations like MTBS 4.3nm,0.2s, SGDS Sogindyo, SGDS 3.6nm,0.1s, etc.

UCR 20 13:53:50.9-1.2,7.92N:82.94W,h4km,24km,MW3.5, South of Panama

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res. Includes stations like PIRO Carate, Puerto, NELY Ciudad Neily, BRUJ Volcan, etc.

ISC 20 13:54:05.5-1.4,16:28S:168:02E,h0km,mb3.7/5, mbtmp3.7/6,ML3.3/1,MS2.5/1,Error ellipse: s-maj=50.8km s-min=26.7km az=136.0

ISC 20 13:54:10.9-0.9,16:4S:011:168.0E:0.1,h35km,n7, az=75/8,mb3.75,Vanuatu Islands

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res. Includes stations like DZM Mont Dzumac, DZM 0.8nm,0.3s, etc.

ISC 20 13:56:00.1-2.3,1:19N:127.04E,h0km,mb3.3/3, mbtmp3.4/3,Error ellipse: s-maj=175.4km s-min=28.4km az=66.0,Halmahera

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

ISC 20 14:03:01.2-4.0,13:68S:166:42E,h53km,33km,mb3.7/9, mbtmp4.0/11,ML3.7/2,Error ellipse: s-maj=31.7km s-min=24.1km az=90.0

ISC 20 14:02:59.7-0.9,13:70S:0109:166:4E:0.1,h39km,n12, az=138/14,mb3.9/9,Vanuatu Islands

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res. Includes stations like HNR Honiara, HNR 3.7nm,0.3s, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res. Includes stations like ILAR Eielson Array, MKAR Makanchi Array, ZALV Zalesovo Beam, etc.

IDC 20 14:23:29.8-0.8,45:19S:166:62E,h0km,mb3.9/4, mbtmp4.0/6,ML3.9/2,MS3.2/4,Error ellipse: s-maj=28.5km s-min=18.0km az=165.0

NOU 20 14:23:30.3,45:26S:166:64E,h8km,MLV4.7/14,Off W. Coast of S. Island, N.Z.

WEL 20 14:23:31.7-0.7,45:3:3:16*7E:1,h12km,M4.4/13, mB5.0/1,ML4.6/13,MLV4.4/13,Mw(MB)4.3/1,Error ellipse: s-maj=6.3km s-min=3.4km az=113.6,confirmed

WEL 20 14:23:31.2,45:22S:166:70E,h10km,ML4.6,Mw4.2, Moment Tensor Solution, s7 Moment Magnitude Scale 1015

Nm; Mw=2.53; Mm=0.18; Mm=2.71; Mw=0.69; Mw=0.21; Mb=0.31; Fault plane slip: Mw 2.740000x1015 NP1: q=19.00000; s=844.00000; a=113.00000; NP2: q=169.00000; s=850.00000; a=69.00000; Principal axes: T 2.730,Plg74.00000; Azm14.00000; N 0.0007, Plg15.00000; Azm182.00000; P -2.7387,Plg3.00000, Azm273.00000; Stations used: PYZ WHZ WKZ APZ EAZ JCZ ODZ REVERSE FAULTING

ISC 20 14:23:30.1-1.5,45:20S:0104:166:63E:0.05,h5km,9km, n115,ct1848/122,mb3.9/4,MS3.3/3,Off west coast of South Island

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res. Includes stations like DCZ Deep Cove, RLNS Resolution Isl, TAFS Te Anau Fire S, etc.

20d 15h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes entries like URZ, MSVF, VNSAU, etc.

WEL 20 14:28:15.0±0.9, 45°S±16.7E±, h5km, M3.3/6, ML3.5/7, ...

Table listing stations for West Coast of South Island, including DCZ, PYZ, MLZ, etc.

NEIC 20 14:31:49.3±2.8, 10°6'S±0.1, 162.1E±0.1, h10km±2km, ...

NOU 20 14:31:51.1, 10°38'S±162.19'E, h20km, mb4.8/17, Solomon Islands

IDC 20 14:15:41.2±1.9, 10°56'S±162.14'E, h58km±24km, mb3.8/9, ...

ISC 20 14:31:53.1±0.7, 10°48'S±162.16E±0.07, h54km±n54, ...

Table listing stations for Islands region, including HURO, ALEG, NGOA, etc.

2018 DEC

Main table for 2018 DEC observations, columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes WRA, STKA, H11S2, etc.

WEL 20 14:46:27.1±1.1, 31°S±21°18'0E±6'0, h22km±5.1km, ...

Table listing stations for Kermadec Islands region, including GLKZ, RIZ, RAO, etc.

SNET 20 14:56:48.1±1.3, 12°47'N±90°30'W, h8km±11km, ML3.4

CATAC 20 14:56:52.0±6.0, 12°57'N±90°01'W, h10km, ML3.9

ISC 20 14:56:58.2±0.9, 12°55'N±90°01'W±0.09, h13km±11km, ...

Table listing stations for Off coast of central America, including LALI, JAYA, FAME, etc.

1238

Table listing stations for TECO, SCLA, TECA, etc.

DJA 20 15:02:23.9±0.5, 6°N±3°12'6E±, h137km±7km, M4.7/12, ...

NEIC 20 15:02:25.6±0.8, 5°72'N±125.66E, h132km±6km, mb3.8/21, ...

ISC 20 15:02:25.5±0.7, 5°69'N±104.12577E±0.06, h127km±6km, ...

Table listing stations for Indonesia region, including DAV, SGSI, TINTI, etc.

JAGI 20 18:22 220 Jajag, Banyuwatu 18.22 220 P Iamb Iamb

JAGI 20 18:22 220 Jajag, Banyuwatu 18.22 220 P P P

Table listing stations for various regions, including KUDU, KNRA, FITZ, etc.

20d 16h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Chandalar, Toolik Lake Re, Eielson Array, Kavik River, Borovoye Array, etc.

IDC 20 15:47:50.9-401.0, 66.05N-18.40E, h0km, Error ellipse: s-maj=256.9km s-min=135.6km az=43.0, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AKTYUBINSK INF, ZALESOVO INFRA251, QAANAQA INFRA30.65.

IDC 20 15:50:30.6-1.8, 16.24S-167.94E, h0km, mb3.9/4, mbtmp3.8/5, ML3.5/1, MS3.5/18, Error ellipse: s-maj=52.3km s-min=26.7km az=116.0, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Mont Dzumac, Nonsavu, Honiara, Charters Tower, Port Moresby, Urewera, Stephens Creek, Warramunga Arr, Alice Springs, Guam, Fitzroy Crossi, Vanda, Asahikawa, Korea Array, Shemya Is, Ala, Petropavlovsk, Chiang Mai Arr, Magadan, Songino Array, Eielson Array.

IEPC 20 15:57:18.9-0.2, 50.20N-18.74E, h1km, ML2.5/4, Error ellipse: s-maj=2.2km s-min=1.1km az=166.0, Suspected Mining induced.

PRU 20 15:57:20.0, 50.22N-18.67E, h0km, Error ellipse: s-maj=5.7km s-min=4.8km az=160.0, Suspected Mining induced.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Ostrava-Krasne, Ojcov, Moravsky Berouk, Kralc, KRLC.

2018 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Niedzica, Velka Javorina, Dobruska-Polom, Ostas, Vranov, Ksiadz, Vyhne, Chvalec, Upec, Stnebicka Huta, Moravsky, Modra-Piesok, Kecov, Gec Pecny, Ondr, Kolonicke sedl, Panska Ves, Pruhonice, Conrad Observa, Rosalia, Austra, Berggiesshobel, Cesky Krumlov, HSKC, Kasperke Hory, Arzberg, Molin, Colim, Novy Kostel, Bad Ischl, Schwarzeleot, Moosalm.

KOLA 20 16:22:04.0-0.6, 67.64N-34.27E, h0km, M2.8, The earthquakes of Russia in 2018. Obninsk, GS RAS, 212 p + CD-ROM, 2020.

MOS 20 16:22:05.1-1.4, 67.7N-0.2-34.2E, h0km, M2.8, The earthquakes of Russia in 2018. Obninsk, GS RAS, 212 p + CD-ROM, 2020.

HEL 20 16:22:04.0-0.4, 67.77N-34.34E, h0km, ML1.8, Explosion, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Lovozero, Apatity, Apatity Array, Teriberka, Vario, Vayda Guba, Oulanka, Finla, Riekkii, Maaselka, Kurvinen, Vadsjo, Kevo, Rovaniemi, ARAO ARCESS Array S, FAUS.

HEL 20 16:22:06.2-0.3, 67.42N-34.53E, h0km, ML2.1, Explosion, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Lovozero, Oulanka, Finla, Oulanka, Finla, Riekkii, Maaselka, Kurvinen, Vadsjo, Kevo, Rovaniemi, RNF, KLF, Oulu, Hetta, Torio, PAJU, KTKI, KALU, KALU, JOENSUU.

1240

BUT 20 16:36:03.9-0.9, 44.75N-102.111, 45W, 0.02, h14km, 3km, Error ellipse: s-maj=2.8km s-min=1.8km az=211.0, NEIC 20 16:36:04.8-1.0, 44.76N-102.111, 47W, 0.02, h16km, 3km, ML3.1/5.1, ML3.2/25(BUT), Error ellipse: s-maj=2.5km s-min=1.8km az=204.0, Hebgan Lake region, Montana

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Denny Creek, Horse Butte, Hebgan Lake, Grayling Creek, West Boundary, Maple Creek, Madison River, Morris Junction, Norris Junction, Purple Mountain, Old Faithful, Old Faithful, Norris Junction, Norris Junction, Yarrow Fork, Mammoth Vault, Yellowstone, Mary Lake, Little Thumb C, Joseph's Chalk, Bozeman (W), Flagg Ranch, The Promontory, Soda Butte, Dillon, Dillon, Teton Pass, Snow King Mountain, Snow King Mountain, Bear Canyon, Red Lodge, Auburn Hatcher, Black Pine Rid, Lyon Mountain, Boulder Array, Pinedale Array, Pinedale Array, Hailey, Missoula, Pearl Lake, Camas Ranch, Eagleton, South Promonto, Toone Canyon, Big Grassy Mou, Camp Tracy, Blue Mountains, Jordanelle, Casper, Beach Ranch, E, Paradox Valley, Elko, Wood Farm, Sta, White River Ci, Preston Nutter Ci, Circle Bar, Carson Farm, Blue Mesa, Paradox Valley, Lion Creek, Paradox Valley, West Nyswonger, Nyswonger Mesa, Paucor Basin, David Mesa, East Wyr Mesa, Skin Mesa, Pa, Paradox Valley.

Table with 7 columns: Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res. Rows include Pine Mountain, Radium Mtn., Paradox Valley.

ADC 20 16:51:48.4+1.4, 53.74N; 164.141W, h0km, mb3.8/15, mbmp3.8/17, ML3.1/2, Error ellipse: s-maj=34.6km s-min=17.4km az=167.0 NEIC 20 16:51:55.0+1.8, 53.83N; 0.06:164.161W:0.07, h53km, 4km, mb3.8/19, ML4.0/14, ML3.8(AEIC), Error ellipse: s-maj=9.3km s-min=4.8km az=148.0 AEIC 20 16:51:55.4+3.0, 53.86N; 0.04:164.20W:0.06, h25km, 6km, Error ellipse: s-maj=6.4km s-min=3.9km az=138.0 ISC 20 16:51:54.8+1.2, 53.81N; 0.08:164.14W:0.04, h43km, 11km, n122, c1957/128, mb3.8/14, Unimak Island

Main table listing stations from WESE to M31M. Columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res. Includes stations like West Dahl East, Westadhal Cape, Shishaldin Sou, Isanotski Laza, Akutan Strait, Akutan Harbor, Isanotski Nort, Akutan Broad B, False Pass, Akutan Morgan, Akutan Green G, Lava Point, Akutan Reef B, Makushin Table, Makushin Switc, Hague Volcano, Pavlof North-7, Pavlof Volcano, Black Hills, Saint George I, Aniakchak Plen, Sant Paul Isl, Pilot Point, Nushagak Hills, Timber Creek, Cape Douglas, Koktuh Hills, Adak, Shuyak Island, Kanaga Island, Kusilvak Mount, Kitaa Creek, Ohwah River, Port Alsworth, Oil Pt, Holina River, Wolf Creek Mou, Iliamna Southw, Bonanza Creek, Granite Mounta, Strandline Lak, Innoko River, Tolsona Glen, Purcell Mounta, Chitina, Valde, Indian Mountai, Shalereckik Mo, Minto, Yukon-K, Allakaket, Elselon Array, Redstone Rivr, Beaver Creek A, Hadweenzic Riv, Anaktuvuk Pass, Chandalar, Dawson, Tishik Lake, Aishik Lake, Atoolik Lake, Burnt Mountain, Arctic Village, Barlow Dome, Doyon Strip, Whitehorse, Durmt Mountain, Hehuanhal, Arctic Village, Barlow Dome, Doyon Strip, Whitehorse, Drury Creek, Y, M31M.

Main table listing stations from P33M to EGSH. Columns: Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res. Includes stations like Teslin, Yukon, Pine Creek, Peel River, Satah River, Inuvik, Petropavlovsk, Petropavlovsk, Sach's Harbour, Yellowknife Arr, Mina Array Bea, ARCESS Array B, Kurbatov Arra, Borovoye Array, FINESS Array B, Makanchi Array, Haglors, Aktyubinsk, Chiang Mai Arr, Malin Array Be, Cheslay Arr, Sonseca Array, Keskin Array B, Juan Fernandez, Juan Fernandez, Juan Fernandez, South Pole Qui, Yonagunijima, Yonaguni jima, Yonaguni jima, Yonaguni jima, EOS, EOS2, EOS4, ESOA, ESW, TSW, EWU, Wuta, ENA, ENA, EAHA, NDH, NDS, Shuangxi, TIPB, Neicheng, Grass Mountain, WU-fen Shan, WNF, WNF, WNF, IRIF, ETI, ETI, Fush Village, Nioudou, FUSB, Fushanzhiwuyua, NACB, NACB, NACB, LATG, LATG, Chiawan, HWA, Hwaiien, WU, Wulai, NWLT, Xiulin Townshi, Yanliu Villag, TeYL, TeYL, Datong, Nan Shan, YHNB, Yeheng, Yeheng, Tongmeng, YMO1, YMO1, NSK, NSK, Zhuzihu, Shoufeng, SHUL, Xiulin Townshi, JLXIB, JKR, JKRS, Shilin, Fushou, FUSH, Hehuan Shan, WHF, WHF, Ishigaki jima, JJJ, JJJ, Tachien, TWT, KSHI, Guanzhi Townshi, EGSH, Guangfu.

Main table listing stations from EGFG to EGSH. Columns: Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res. Includes stations like WARBET, WARBET, Wufeng Townshi, OWD, OWD, WUSB, WUSD, Ruisui, LIOB, Emei, JISG, Ishigakijima, JISG, Nanjuang, NSIT, Hungye, WYDT, WYDT, Taichung City, WHP, WHP, Beigang Elemen, WCS, WCS, Yuli, Yuli, Yuli, Yuli, TWFI, Yuli, SSSL, Suanglung, TYC, Yuchr, FULB, Fuli, WHYT, Xinyi Township, JTJ, Tarama, WJWS, Zhushan, WJWS, Donghe, EDH, EDH, ALS, Alishan, JTYJ, Lidou, LDUT, Ludao, LDUT, LDUT, WCKO, Fanlu, STYH, Taoyuan, JTYJ, TPUB, Ta-pu, TPUB, Ta-pu, WTP, Ta-pu, SGST, Jiashian, VVUC, VVUC, VVUC, VVUC.

ADC 20 16:51:48.4+1.4, 53.74N; 164.141W, h0km, mb3.8/15, mbmp3.8/17, ML3.1/2, Error ellipse: s-maj=34.6km s-min=17.4km az=167.0 NEIC 20 16:51:55.0+1.8, 53.83N; 0.06:164.161W:0.07, h53km, 4km, mb3.8/19, ML4.0/14, ML3.8(AEIC), Error ellipse: s-maj=9.3km s-min=4.8km az=148.0 AEIC 20 16:51:55.4+3.0, 53.86N; 0.04:164.20W:0.06, h25km, 6km, Error ellipse: s-maj=6.4km s-min=3.9km az=138.0 ISC 20 16:51:54.8+1.2, 53.81N; 0.08:164.14W:0.04, h43km, 11km, n122, c1957/128, mb3.8/14, Unimak Island

BER 20 16:55:38.6+0.6, 67.786N; -33.88E, h0km, ML1.5, Suspected explosion HEL 20 16:55:41.2+0.2, 68.09N; -33.31E, h0km, ML1.7, Explosion KOLA 20 16:55:41.7, 68.07N; -33.35E, h0km, ML2.1, Error ellipse: s-maj=2.3km s-min=1.4km az=100.0, Olenezkiy City, Mines, Baltic States-Belarus-Northwestern Russia

JMA 20 16:54:34.9+0.1, 24.24N; 122.66E; 0.05, h91km, 1km, MV1.8/12, NW OFF ISHIGAKIJIMA IS TAP 20 16:54:35.1, 24.51N; 122.68E, h90km, ML2.7, C ISC 20 16:54:34.8+1.4, 24.48N; 0.04:122.66E:0.03, h93km, 7km, n83, c0677/139, 3C-1D, Taiwan region

HEL 20 16:56:03.2+0.4, 67.87N; 20.03E, h0km, ML1.0, Explosion, Sweden

ADC 20 16:57:20.2+2.4, 33.01S; 71.85W, h0km, mb4.0/3, mbmp3.8/5, ML4.1/2, MS2.9/1, Error ellipse: s-maj=62.9km s-min=24.1km az=108.0 GUC 20 16:57:22.6+0.7, 33.00S; 72.12W, h24km, 19km, ML3.7

20d 17h

ISC 20 16:57:20.5; 1.3, 33.00S; 0.03:72.08W, 0.06, h10km, 9km, n39, c091/60, mb4.0/3, 4C-13D, Off coast of central Chile

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Lists stations like Torpederas, Santo Domingo, Catapilco, Curacav, etc.

SNET 20 17:01:49.7; 1.1, 14.21N; 90.24W, h164km, 4km, ML3.8
NEIC 20 17:01:49.1; 1.8, 14.1; 90.15W, h170km, 2km, mb4.0/3, mbtm4.3/6, Error ellipse: s-maj=15.0km s-min=5.4km az=188.0

GCG 20 17:01:50.9; 0.7, 14.51N; 90.44W, h167km, 7km, MD3.9
IDC 20 17:01:51.4; 1.8, 14.4; 90.15W, h170km, 2km, mb4.0/3, mbtm4.3/6, Error ellipse: s-maj=36.4km s-min=14.9km az=33.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Lists stations like Pacaya, Las Nubes, Alcala de Sa, etc.

2018 DEC

Main table with columns: LOAL, IAML, Time, Res, ISC. Lists stations like Las Nubes, El Retiro, Cerro Verde, etc.

1242

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Lists stations like Sewanee, Signal Mountain, Smith Brothers, etc.

BGR 20 17:01:49.3; 54.11N; 165.55E, h21km, mb6.8, mB_BB7.4, Ms7.5
IDC 20 17:01:52.7; 0.3, 55.02N; 164.160E, h0km, mb6.3/39, mbtm6.3/44, ML6.0/5, MST:2/87, Error ellipse: s-maj=8.8km s-min=6.6km az=159.0

BUI 20 17:01:53.0; 54.94N; 164.79E, h20km, mb6.7/49, mB7.5/84, Ms7.771, Ms7.75/86
KRSC 20 17:01:53.9; 1.9, 54.91N; 164.71E, h54km, 24km, Mc7.7, Mir7.3, Felt [V-V] at Nikolsko; [V] at cape Afrika, HMS

IPGP 20 17:01:54.0; 55.11N; 164.71E, h18km, Mw7.3, Fault plane solution: NP1: 165.00000, 874.00000, lambda-162.00000

CSEM 20 17:01:54.3; 55.07N; 164.77E, h10km
NEIC 20 17:01:55.1; 6.5; 10N; 164.08; 164.7E; 0.1, h1.7km, 2km, mb6.9/42, Ms. 20 7.3/107, Mw7.3/155, Error ellipse: s-maj=11.2km s-min=9.4km az=177.0

NEIC 20 17:01:55.3; 55.09N; 164.71E, h20km
NEIC 20 17:01:55.3; 54.90N; 164.71E, h20km, Moment Tensor Solution. Duration: 24s; Moment tensor: Scale 101.91Nm; Mr-4.90; Ms-4.69; Mw-9.60; Ms3.15; Mw4.23; Mw2.11;

Fault plane solution: Ms9.68000x1019 NP1: lambda-230.46000, phi-369.80000, lambda-39.55000; NP2: phi-336.37000, lambda-353.30000, lambda-154.49000. Principal axes: T=1.2741, P=10.0000, Azm=287.0000; N=-3.1854, Plg46.0000, Azm28.0000; P=-8.0888, Plg42.0000, Azm187.0000

PPT 20 17:01:55.4; 0.1, 55.15N; 164.64E, h10km, mb6.6/13, MLv7.1/2, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0
MOS 20 17:01:57.0; 8.5; 4.96N; 164.76E, h42km, mb7.0/82, MS7.4/89, Error ellipse: s-maj=4.8km s-min=3.8km az=92.2 Broadband fault plane solution: P waves: Ms9.40000x1019 NP1: 165.00000, 875.00000, lambda-16.00000, NP2: 165.00000, 875.00000, lambda-174.00000. Principal axes: T=1.6580, P=10.0000, Azm285.0000; N=0.3590, Plg61.0000, Azm189.0000; P=0.6990, Plg29.0000, Azm17.0000. nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/manile waves, cutoff=150s. Triangular moment-rate function

ISC 20 17:01:55.3; 0.3, 55.00N; 162.168E; 0.02, h17km, 1km, h17km; p2-P, K2944, c1885/2885, mb6.8/633, MS7.4/741, 142C-32D, Kandyak Islands region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Lists stations like Bering, Krutoberegov, etc.

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like Krutoberegovo, Semkarok, Korymskiy, etc.

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like Tymovskoe, Nikolaevsk, Saint George I, etc.

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like Nanvaranak Lak, Kuka Creek, False Pass, etc.

20d 17h

2018 DEC

1244

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like CHNA Chernabura Isl, CHNA Chernabura Isl, O16K Kokwok River B, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like ZEA comp=N,2um,3.0s, ZEA comp=Z,10um,6.3s, ZEA comp=E,230nm,1.1s, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like HEH HeiHe, HEH HeiHe, HEH HeiHe, G21K Allakaket, G21K Allakaket, SII Sitkinak Islan, etc.

20d 17h

2018 DEC

1246

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like CTGM Chitina Glacie, D28M Stokes Point, YUK3 Moose Creek, etc.

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like H31M baz=279, SNR=316, F31M Tsigentchic, P30M Million Dollar, etc.

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like Q32M Nakina River, Q32M Nakina River, Q32M Nakina River, etc.

20d 17h

Table of astronomical observations for 20d 17h, including columns for object name, coordinates, magnitude, and other parameters.

2018 DEC

Table of astronomical observations for 2018 DEC, including columns for object name, coordinates, magnitude, and other parameters.

1248

Table of astronomical observations for 1248, including columns for object name, coordinates, magnitude, and other parameters.

20d 17h

Table with columns for station call letters, frequency, power, and signal strength. Includes stations like SAUI, N51A, ERPA, etc.

2018 DEC

Table with columns for station call letters, frequency, power, and signal strength. Includes stations like P51A, P51A, ESK, etc.

1252

Table with columns for station call letters, frequency, power, and signal strength. Includes stations like BINY, NRDN, Q52A, etc.

20d 17h

Table with columns for call sign, name, frequency, mode, and other parameters. Includes entries like TREC Trest, ARCR Arcavia, and many others.

2018 DEC

Table with columns for call sign, name, frequency, mode, and other parameters. Includes entries like CJR Cluj-Napoca, KTUT Trapez, and many others.

1254

Table with columns for call sign, name, frequency, mode, and other parameters. Includes entries like DIKM Dikmen, MOA Molin, and many others.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like PANG Pungghina, PUNGI Padang Panjang, ABTA Abfattersbach, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like PLNA Plana, KSI Kapahiang, BLSI Bandar Lampung, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like ISP Isparta, FNA Florida, MANT Manisa, etc.

20d 17h

Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like CSS Mathiatis, EVR BHL Bhanes, ANX JRN, etc.

2018 DEC

Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like DQM DQM SNR=30, PBRG Braganca, VSL Villasalto, etc.

1256

Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like PSCM Serra do Cume, DOK Doka, OOD Oodnadatta, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like Dubbo College, Pico do Norte, Santa Maria, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like San Juan, Col San Antonio, Inter-Universit, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like TORO, KMBKO, ROCAM, etc.

20d 17h

Table of station data for the 20d 17h period, including columns for station name, frequency, and other technical details.

2018 DEC

Table of station data for the 2018 DEC period, including columns for station name, frequency, and other technical details.

CATAC 20 17:03:22.1±1.1, 12:29N:86:99W, h5km±17km, ML3,0.

Table of station data for the CATAC 20 period, including columns for station name, frequency, and other technical details.

Code Station Name Δ° AZ° Phase ID Time Res

Table of station data for the Code Station Name period, including columns for station name, frequency, and other technical details.

1258

Table of station data for the 1258 period, including columns for station name, frequency, and other technical details.

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like Noril'sk, Songlino Array, SONMI, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like Batken, TBLU, AZL, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like CLZ, CLM, CLL, etc.

20d 17h

Table listing station data for 20d 17h, including station names, coordinates, and various parameters like SNR and elevation.

2018 DEC

Table listing station data for 2018 DEC, including station names, coordinates, and various parameters like SNR and elevation.

1260

Table listing station data for 1260, including station names, coordinates, and various parameters like SNR and elevation.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Voula, Athens; Klokotos Trika; Makrakomi, Ft; Edirne/Enez-Ca; etc.

Table with columns: SML, Iamb, Iamb, Time, Res. Includes stations like Your Creek; 2.19m, 0.8s; College; Port Wells; Clear Creek Bu; etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Bering; Kirishev; Kyuchi; Kozyrevsk; Petropavlovsk; etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like IDC 17:13:35.5; NEIC 20:17:13.37; ISC 20:17:13.39; etc.

Table with columns: SML, Iamb, Iamb, Time, Res. Includes stations like WAKE ISLAND Hy 35.12 176 T; WAKE ISLAND Hy 35.14 176 T; etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Bering; Kirishev; Kyuchi; Kozyrevsk; Petropavlovsk; etc.

Table with columns: Call Sign, Frequency, Mode, Power, and other parameters. Includes stations like BMO Blue Mountains, BUK Kurchatov, BR13 Kurchatov Arra, etc.

Table with columns: Call Sign, Frequency, Mode, Power, and other parameters. Includes stations like ABTA Abfalterbach, FETA Feichten, BR13 Keskin Arra, etc.

Table with columns: Call Sign, Frequency, Mode, Power, and other parameters. Includes stations like MJAR Matsushiro Arr, KSRS Kurchatov, SONM Songino Arra, etc.

Table with columns: STKA, DBIC, OPO, QSPA, SUR. Includes station names like Stephens Creek, Dimbato, Amboldiatompo, South Pole Q, Sutherland and their respective coordinates and frequencies.

NEIC 20 17:17:15.0:1.7, 54.92N:0.10:164.8E:0.1, h10km, 1km, mb4.7/16, Error ellipse: s-maj=17.7km s-min=12.0km az=208.0

KRSC 20 17:17:14.5:1.5, 55.03N:164.77E, h52km, 25km, M15.2 IDC 20 17:17:14.6:0.8, 54.92N:164.87E, h0km, mb4.4/22, mbtmp4.4/24, ML4.3/2, Error ellipse: s-maj=23.4km s-min=14.0km az=161.0

ISC 20 17:17:15.0:5.5, 54.95N:0.008:164.85E:0.06, h10km, n73, r1555/79, mb4.5/27, Komandorski Islands region

Main table for station 1263, listing stations like Bering, Mys Shipunski, Daln, etc., with columns for Code, Station Name, Az, Phase ID, Time, Res, and ISC.

Table for station 1264, listing stations like Sonsea Array, Klyuchi, Kirišev, etc., with columns for Code, Station Name, Az, Phase ID, Time, Res, and ISC.

KRSC 20 17:19:13.0:2.0, 54.81N:164.94E, h59km, 17km, M14.4 IDC 20 17:19:13.0:0.6, 54.99N:164.73E, h0km, mb4.4/24, mbtmp4.4/31, ML4.5/2, Error ellipse: s-maj=17.8km s-min=13.1km az=154.0

NEIC 20 17:19:15.3:1.3, 54.96N:0.07:164.7E:0.1, h10km, 1km, mb4.5/22, Error ellipse: s-maj=14.9km s-min=5.5km az=140.0

ISC 20 17:19:17.5:0.4, 54.93N:0.07:164.80E:0.05, h27km, n163, r100/162, mb4.5/35, Komandorski Islands region

Main table for station 1264, listing stations like Bering, Bezymyannaya, Tumrok, etc., with columns for Code, Station Name, Az, Phase ID, Time, Res, and ISC.

Table for station 1265, listing stations like L29M, I30M, KSRS, etc., with columns for Code, Station Name, Az, Phase ID, Time, Res, and ISC.

INX Inuvik, R33M Jennings River, T35M Bob Quinn, SONM Songino Array. Includes coordinates and frequencies.

YKA Yellowknife Arr, RES Resolute Bay, SPITS Spitsbergen Arr. Includes coordinates and frequencies.

KURB Kurchatov Arr, MK31 Makanchi Array, MKAR Makanchi Array. Includes coordinates and frequencies.

Main table for station 1265, listing stations like Kurchatov Arr, Makanchi Array, Fort Churchill, etc., with columns for Code, Station Name, Az, Phase ID, Time, Res, and ISC.

20d 17h

Table with columns: Station Name, Frequency, Power, Modulation, and Signal Quality. Includes stations like ESO, SMAR, Somma, Koryakskii, Ugluova, etc.

2018 DEC

Table with columns: Station Name, Frequency, Power, Modulation, and Signal Quality. Includes stations like M14K, N14K, L15K, S12K, O14K, K15K, H16K, M15K, G16K, C16K, etc.

1264

Table with columns: Station Name, Frequency, Power, Modulation, and Signal Quality. Includes stations like ZEA, ZEA, ZEA, P18K, P18K, L19K, L19K, ACHA, Q18K, N19K, N19K, N19K, etc.

1265

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like D23K Nanushuk River, I23K Minto, Y23K Yukon-K, etc.

2018 DEC

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like I26K Coal Creek Min, L26K Log Cabin Wild, J26K Kuroka, etc.

20d 17h

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like JIS Juneau Island, P33M Teslin, Yukon, S32K Killisnoo, etc.

20d 17h

Table with columns for call sign, name, frequency, power, and status. Includes entries like KMRM Mail Ridge, BMO Blue Mountains, CD2 Chengdu, etc.

2018 DEC

Table with columns for call sign, name, frequency, power, and status. Includes entries like PFO Uchtor, EKSZ Uchtor, LSA Lhasa, etc.

1266

Table with columns for call sign, name, frequency, power, and status. Includes entries like DDI Dehra Dun, BHK Novokhopovorsk, NIL Nilore, etc.

1267

Table of radio station frequencies for 1267 MHz. Columns include call letters (e.g., AK13, JCT, MIAR), station name, frequency, power, modulation (P, M, F), and other technical details.

2018 DEC

Table of radio station frequencies for the 2018 DEC band. Columns include call letters (e.g., BRG, DPC, DPC, KOLS), station name, frequency, power, modulation (P, M, F), and other technical details.

20d 17h

Table of radio station frequencies for the 20d 17h band. Columns include call letters (e.g., ICOR, PLAI, GURO), station name, frequency, power, modulation (P, M, F), and other technical details.

20d 17h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for STKA, FORT, ETMB, SAML, LBTB, BOSB, PLCA, MAW, PLTB, QSPA, SUR, ELIB, TROLL, SNA.

IDC 20 17:23:33.6:0.7,54:85N:164:47E,h0km,mb4.0/14, mbtm4.0/15,ML3.3/1, Error ellipse: s-maj=21.0km s-min=13.6km az=158.0

KRSC 20 17:23:34.4:0.9,54:76N:164:51E,h49km,24km,MI5.0 NEIC 20 17:23:35.1:1.5,54:8N:0:2:164:7E:0.1,h10km,2km, mb4.6/80, Error ellipse: s-maj=35.5km s-min=10.1km az=146.0

ISC 20 17:23:37.3:0.5,54:81N:0:05:164:54E:0:04,h27km,m139, o=83/139,mb4.5/50,Komandorsky Islands region

Main table for 20d 17h section, listing station codes (BKI, KBTR, KBG, etc.), station names (Bering, Krutoberegovo, etc.), and their respective coordinates and phases.

2018 DEC

Main table for 2018 DEC section, listing station codes (SYI, KDAD, BPAW, etc.), station names (Shuyak Island, Kodiak Island, etc.), and their respective coordinates and phases.

KRSC 20 17:25:58.2:1.0,54:59N:164:13E,h41km,27km,MI4.5, Komandorsky Islands region

Summary table for Komandorsky Islands region, listing Code, Station Name, Az, Phase ID, Time, Res.

1268

Table for 1268 section, listing station codes (TUMR, BZP, CIRR, etc.), station names (Tumrok, Bezmyannyy-Pe, etc.), and their respective coordinates and phases.

IDC 20 17:26:31.1:1.3,54:98N:164:78E,h0km,mb4.0/14, mbtm4.0/15,ML3.3/1, Error ellipse: s-maj=37.3km s-min=17.1km az=166.0

NEIC 20 17:26:33.1:1.6,54:9N:0:2:164:8E:0.1,h10km,1km, mb4.2/20, Error ellipse: s-maj=32.5km s-min=8.1km az=157.0

ISC 20 17:26:35.4:0.7,54:8N:0:1:164:77E:0:06,h34km,m79, o=1505/79,mb4.1/23,Komandorsky Islands region

Main table for 1268 section, listing station codes (PET, PEAOB, PETK, etc.), station names (Petropavlovsk, etc.), and their respective coordinates and phases.

TXAR comp=Z,4.8nm,1.1s Lajitas Array 67.44 71 P P 17 37 28.7 +1.2

IDC 20 17:26:43.0-0.7,54.99N:164.77E,h0km,mB4.1/23, mbtmp4,1/27,ML4.3/4,Error ellipse: s-maj=19.8km s-min=13.4km az=154.0

ISC 20 17:26:46.8-0.5,54.94N:164.65E,h27km,n118, r=100/119,mb4.2/44,Komandorsky Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Bering, Krutoberegovo, Bezymyanniy-Pe, etc.

MTVR Mutnovka 4.56 240 P Pn 17 27 53.8 -0.3 GRG Gurelyy 4.58 241 P Pn 17 27 55.2 +1.0

ASAJ Asahikawa 17.87 242 P P 17 30 53.5 -0.2 L14K Kuka Creek 18.25 56 P P 17 30 56.3 -1.4

C16K Yakutsk 19.41 306 P Pn 17 31 11.4 -0.3 H17K Unalakleet 19.54 49 P Pn 17 31 12.1 +0.2

TXAR Lajitas Array 67.47 71 P P 17 37 39.1 -1.0 AKASO Malin Array Be 68.35 331 P P 17 37 45.1 -0.2

ESDC Sonsea Array 85.26 351 P P 17 39 21.2 +0.4 IDC 20 17:29:18.2-2.0,9.55/01N:164.84E,h40km,mB3.6/5, mbtmp3,6/6,ML2,6/1,Error ellipse: s-maj=76.6km s-min=24.3km az=170.0

ISC 20 17:29:23.0-0.9,55.00N:164.84E,h40km,mB3.9, r=127/31,mb3.7/5,Komandorsky Islands region

Code Station Name Az AZZ Phase ID Time Res BKI Bering 0.61 77 P Pn 17 29 35.0 -0.9

MTVR Mutnovka 4.77 240 P Pn 17 30 33.8 +0.5 GRG Gurelyy 4.79 241 P Pn 17 30 34.0 +0.5

PDAR Pinedale Array 54.08 65 P P 17 38 44.1 -0.9 KRSR Korea Array 30.39 250 P P 17 32 57.9 +1.6

ISC 20 17:30:41.7-1.3,54.79N:164.57E,h47km,mB28km,MI3.8, Komandorsky Islands region

Table with columns: Code, Station Name, Az, AZZ, Phase ID, Time, Res. Includes stations like Bering, Krutoberegovo, Mutnovka, etc.

E29M Blow River 29.12 40 P P 17 32 45.3 +0.5 G29M Pine Creek 29.15 43 P P 17 32 45.9 +0.8

ISOM Mount Demeter 30.01 46 P P 17 32 52.7 -0.2 KSRs Korea Array 30.39 250 P P 17 32 57.9 +1.6

RES Resolute Bay 40.58 24 P P 17 34 23.3 0.0 SPITS Spitsbergen Ar 45.74 351 P P 17 35 05.2 +0.2

KURK Kurchatov 49.02 303 P P 17 35 31.0 +0.2 KURBB Kurchatov Arra 49.12 303 P P 17 35 31.3 -0.3

FCC Fort Churchill 50.34 42 P P 17 35 09.4 +0.4 BVAR Borovoye Array 51.32 310 P P 17 35 49.1 +0.9

PDAR Pinedale Array 54.29 65 P P 17 36 09.2 -1.4 FINES FINESS Array B 59.45 338 P P 17 36 46.3 -0.2

CMAR Chiang Mai Arr 61.16 261 P P 17 37 00.9 +2.1 NB2 NORSAR Subarra 62.47 346 P P 17 37 06.7 -0.4

NOA NORSAR Arr B 62.47 346 P P 17 37 07.2 +0.1 HFS Hagfors 62.97 344 P P 17 37 10.1 -0.2

TXAR Lajitas Array 67.47 71 P P 17 37 39.1 -1.0 AKASO Malin Array Be 68.35 331 P P 17 37 45.1 -0.2

EKA Eskdalemuir Arr 69.64 353 P P 17 37 53.1 -0.1 WRA Warungata Arr 78.94 209 P P 17 38 48.0 +0.3

ASAR Alice Springs 82.60 208 P P 17 39 08.1 +0.9 ESDC Sonsea Array 85.26 351 P P 17 39 21.2 +0.4

Code Station Name Az AZZ Phase ID Time Res BKI Bering 0.61 77 P Pn 17 29 35.0 -0.9

MTVR Mutnovka 4.77 240 P Pn 17 30 33.8 +0.5 GRG Gurelyy 4.79 241 P Pn 17 30 34.0 +0.5

PDAR Pinedale Array 54.08 65 P P 17 38 44.1 -0.9 KRSR Korea Array 30.39 250 P P 17 32 57.9 +1.6

Code Station Name Az AZZ Phase ID Time Res BKI Bering 0.91 62 P Pn 17 30 58.8 +0.8

KREIR Koriyevsk 3.78 249 P Pn 17 31 23.2 +0.9 AVH Avacha 3.76 248 P Pn 17 31 25.1 +1.0

KREIR Koriyevsk 3.78 249 P Pn 17 31 23.2 +0.9 AVH Avacha 3.76 248 P Pn 17 31 25.1 +1.0

IDC 20 17:35:09.4-0.4,54.97N:164.58E,h0km,mB5.3/44, mbtmp5,3/49,ML4.7/5,Error ellipse: s-maj=11.6km s-min=7.9km az=170.0

MOS 20 17:35:12.0-1.1,54.86N:164.61E,h41km,mb5.6/59,Error ellipse: s-maj=5.3km s-min=4.2km az=84.1

Code Station Name Az AZZ Phase ID Time Res BKI Bering 0.85 63 P Pn 17 35 27.1 -0.0

MTVR Mutnovka 4.56 240 P Pn 17 27 53.8 -0.3 GRG Gurelyy 4.58 241 P Pn 17 27 55.2 +1.0

ASAJ Asahikawa 17.87 242 P P 17 30 53.5 -0.2 L14K Kuka Creek 18.25 56 P P 17 30 56.3 -1.4

C16K Yakutsk 19.41 306 P Pn 17 31 11.4 -0.3 H17K Unalakleet 19.54 49 P Pn 17 31 12.1 +0.2

TXAR Lajitas Array 67.47 71 P P 17 37 39.1 -1.0 AKASO Malin Array Be 68.35 331 P P 17 37 45.1 -0.2

EKA Eskdalemuir Arr 69.64 353 P P 17 37 53.1 -0.1 WRA Warungata Arr 78.94 209 P P 17 38 48.0 +0.3

ASAR Alice Springs 82.60 208 P P 17 39 08.1 +0.9 ESDC Sonsea Array 85.26 351 P P 17 39 21.2 +0.4

Code Station Name Az AZZ Phase ID Time Res BKI Bering 0.61 77 P Pn 17 29 35.0 -0.9

MTVR Mutnovka 4.77 240 P Pn 17 30 33.8 +0.5 GRG Gurelyy 4.79 241 P Pn 17 30 34.0 +0.5

PDAR Pinedale Array 54.08 65 P P 17 38 44.1 -0.9 KRSR Korea Array 30.39 250 P P 17 32 57.9 +1.6

Code Station Name Az AZZ Phase ID Time Res BKI Bering 0.91 62 P Pn 17 30 58.8 +0.8

KREIR Koriyevsk 3.78 249 P Pn 17 31 23.2 +0.9 AVH Avacha 3.76 248 P Pn 17 31 25.1 +1.0

1271 2018 DEC 20d 17h

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Station Type, Station Class, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, Station Class. Rows include stations like D25K, PRP, F25K, J25K, E25K, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, Station Class, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, Station Class. Rows include stations like TJN, M31M, WHY, SKAG, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, Station Class, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, Station Class. Rows include stations like KURK, KURK, KURK, KURK, etc.

20d 17h

Table with columns: Call sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like KBK Karagaybulak, FRU1 Bishkek, EL5 Elnore Mount, etc.

2018 DEC

Table with columns: Call sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like HFS comp=Z,44nm,0.6s, JFWS Jewell Farm, SLIT Silitere, Latvi, etc.

1272

Table with columns: Call sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like M128 Mi28, PDlybu, RNP99 Sopachiv, etc.

20d 17h

Table of meteoroid observations for 20d 17h, including columns for code, station name, time, and magnitude. Includes entries like Cobar Meteorol, Aybut, Vaqueros, etc.

20d 17:37:46.9-0.9,55:09N:164:86E, h0km, mb4.0/19, mbmp4.1/22, ML4.4/3, Error ellipse: s-maj=23.6km s-min=15.4km az=155.0

NEIC 20 17:37:46.9-2.54:39N:0:1:165:08E:0:08, h10km,2km, mb4.6/54, Error ellipse: s-maj=23.3km s-min=7.2km az=186.0

KRSC 20 17:37:48.4-0.9,54:39N:164:78E, h39km,25km, M4.5

ISC 20 17:37:51.1-0.5,55:00N:0:05:164:92E:0:04, h14km, n56, s119/69, mb4.1/20, Komandorsky Islands region

Table of Komandorsky Islands region observations, including columns for code, station name, time, and magnitude. Includes entries like Bering, Krutoberegovo, etc.

2018 DEC

Table of meteoroid observations for 2018 DEC, including columns for code, station name, time, and magnitude. Includes entries like Makanchi Array, Borovoye Array, etc.

20 17:38:36.5-0.7,55:08N:164:83E, h0km, mb4.3/25, mbmp4.3/26, ML3.6/1, Error ellipse: s-maj=22.6km s-min=12.9km az=158.0

NEIC 20 17:38:37.1-1.8,55:00N:0:1:164:65E:0:2, h10km,1km, mb4.6/54, Error ellipse: s-maj=25.3km s-min=5.5km az=142.0

ISC 20 17:38:37.8-0.6,55:00N:0:1:164:73E:0:07, h10km, n85, s111/84, mb4.5/44, Komandorsky Islands region

Table of Komandorsky Islands region observations, including columns for code, station name, time, and magnitude. Includes entries like Petropavlovsk, Anvik River, etc.

1274

Table of meteoroid observations for 1274, including columns for code, station name, time, and magnitude. Includes entries like L29M, KSRS, INK, etc.

KRSC 20 17:40:05.6-0.6,55:02N:164:62E, h36km,23km, MI4.0, Komandorsky Islands region

ISC 20 17:40:05.6-0.6,55:02N:164:62E, h36km,23km, MI4.0, Komandorsky Islands region

KRSC 20 17:44:32.8-1.5,54:72N:164:57E, h59km,28km, MI4.3, Komandorsky Islands region

Table of Komandorsky Islands region observations, including columns for code, station name, time, and magnitude. Includes entries like Bering, Semkarok, etc.

20 17:49:19.1-1.4,54:92N:0:09:164:6E:0:2, h10km,1km, mb4.9/86, Error ellipse: s-maj=18.2km s-min=11.3km az=135.0

20d 17h

Table with columns: ID, Name, Az, El, P, S, Az, El, P, S, Az, El, P, S. Rows include stations like 016K Kokwok River B, E18K Tukpahlearik C, P16K Nushagak River, etc.

2018 DEC

Table with columns: ID, Name, Az, El, P, S, Az, El, P, S, Az, El, P, S. Rows include stations like SKT Skwentna, F22K John River, HOM Homer, etc.

1278

Table with columns: ID, Name, Az, El, P, S, Az, El, P, S, Az, El, P, S. Rows include stations like J26L Joseph Creek, C27K Jago River, C27K Jago River, etc.

Table with columns for station name, frequency, power, and status. Includes stations like TOAD, KOTAN, TIA, HHC, HNS, NJ2, YKA, LYN, WHN, XAN, ZALV, LZH, GTA, SPITS, ENH, NEEM, NEW, KULLO, DAG, CD2, WMQ, KURK, KURKB, MK31, MAZK, BVAR, BRVK, SUMG, ARCES, NVAR, ELK, FLYW, RLMT, SVE, LOHW, LAO, PZH, KMI, ARTI, PD31, PDAR, FRB, KIRV, ULM, AAK, KLMR, LSA, PFO, PFO.

Table with columns for station name, frequency, power, and status. Includes stations like N23A, ESJX, Q24A, S22A, FIA1, FINES, SDCO, DRK, PHRA, BTK, CHTO, T25A, BELG, CMAR, GAR, MOS, ANMO, OBN, SIMJ, NB2, NOA, 121A, SCHO, HFS, LPSR, VRH, VSR, MNK, VHRN, PMG, WMOK, MNHN, ALPN, TXAR, TXAR, TXAR, T42A, AK23, AK03, AK21, AK22, AK04, AKASG, AKASG, AKKB, AKBB, AKBB, AK15, AK19, AK02, AK08, AK09, AK16, AK17, AK12, AK10, AK14, AK06, AK13, MI28, MIAR, MIAR.

Table with columns for station name, frequency, power, and status. Includes stations like RNPPS, E62A, DRIO, MMNY, HRA, LUBAR, EKA, EKA, KIV, AKT, AKT, KBZ, KBZ, 833A, NDNLU, SORM, SORM, SORM, KMPD, CLM, CLM, STHS, STHS, STHS, BRG, BRG, BRG, KOLS, KOLS, KOLS, DPC, DPC, DPC, MORC, MORC, MORC, LANS, LANS, LANS, PRU, PRU, VRAC, VRAC, VRAC, VRAC, TESR, JAVC, TRIC, KRUC, VYHS, VYHS, VYHS, ZVC, ZVC, MODS, MODS, KHC, KHC, KHC, OZUR, COVR, CSR, CFB, MARR, DOPR, GERES, TPGR, MLR, MLR, MLR, CONA, VOIR, VOIR, RONA, MOA, ARSA, GZR, GZR, BZS, BZS, LESA, KBA, WATA, RETA, WTTA, MOTA, SQT, OBKA, MYKA, DAVA, ABTA, FEI, PRED, BRTR, BOVS, KIRS, RDO, WBR, WRA, WRA, UOSS, UOSS, AS31, ASAR, ASAR, ASAR, ASAR, ASAR, ASAR, ASAR, STKA.

20d 18h

QSPA South Pole Qui 144.61 180 PKP PKPab 18 13 46.2 -0.9
comp=Z:8.7nm,0.9s,baz=346,slow=2.2,SNR=16
ELIB Princess Elisa 156.36 209 dPKP PKPab 18 14 35.2 +0.1
comp=Z:2.7nm,0.0s

IDC 20 18:00:04.9.2.5,55.02N;164.54E,h0km,mb3.6/6,
mbmp3.6/7,ML2.9/1,Error ellipse: s-maj=68.4km,
s-min=21.9km az=158.0,
KRSC 20 18:00:06.2.2.3,54.82N;164.61E,h53km,31km,ML4.2
ISC 20 18:00:04.4.3.2,54.86N;0.04:164.65E;0.04,h4km,21km,
n37,+c057/109,1c,Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h m s, ISC. Lists various stations like Bering, Krutoberegovo, Semkarok, etc.

2018 DEC

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h m s, ISC. Lists stations like Wufeng Twinnish, Fushou, Hehuan Shan, etc.

IDC 20 18:07:20.7.0.9,55.05N;164.76E,h0km,mb3.9/19,
mbmp3.9/20,ML2.8/1,Error ellipse: s-maj=24.9km,
s-min=14.3km az=160.0,
KRSC 20 18:07:21.1.1.7,54.88N;164.76E,h52km,27km,ML4.1
NEIC 20 18:07:22.1.7.55;0N;0.2:164.7E;0.2,h10km,2km,
mb4.2/65,Error ellipse: s-maj=31.5km s-min=18.2km,
az=158.0,
ISC 20 18:07:21.6.1.8,54.95N;0.04:164.72E;0.04,h9km,11km,
n118,+c19/134,mb4.2/44,Komandorsky Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h m s, ISC. Lists stations like Bering, Krutoberegovo, Semkarok, etc.

1280

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h m s, ISC. Lists stations like E19K, D19K, L19K, N19K, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KBTR, KBG, KIR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MTRV, ILAR, H1N2, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JCZ, ODZ, WKZ, etc.

IDC 20 18:11:57.2, 0.55, 23N, 164.58E, h0km, mb3.5/m, mbtmp3.57, ML2.9/1, Error ellipse: s-maj=62.4km, s-min=21.5km az=156.0.

IDC 20 18:17:22.0, 2.9, 54.98N, 164.67E, h0km, mb3.4/3, mbtmp3.2/4, ML2.3/1, Error ellipse: s-maj=98.6km, s-min=23.9km az=157.0, Komandorsky Islands region

IDC 20 18:24:36.6, 0.5, 54.95N, 164.47E, h0km, mb4.3/4, mbtmp4.4/3, ML4.2/4, MSS.4/1, Error ellipse: s-maj=15.0km s-min=9.9km az=163.0.

IDC 20 18:11:58.0, 1.0, 54.90N, 164.62E, h49km, 25km, ML4.1, ISC 20 18:11:55.9, 2.1, 55.02N, 164.61E, 0.104, h0km, 13km, n31, c170/45, mb3.7, Komandorsky Islands region

IDC 20 18:17:45.1, 2.5, 55.46N, 164.15E, h0km, mb3.2/3, mbtmp3.2/4, ML2.6/1, Error ellipse: s-maj=88.0km, s-min=24.1km az=152.0, Komandorsky Islands region

IDC 20 18:24:37.3, 1.7, 54.87N, 164.41E, 0.03, h6km, 11km, n358, c122/325, mb4.5/74, 1D, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BKI, KBTR, KBG, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H1N2, H1N3, H1N1, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BKI, KBTR, KBG, etc.

NOU 20 18:22:10.7, 41.34S, 172.70E, h153km, MLV3.7/16, South Island, New Zealand

WEL 20 18:22:12.4, 1.0, 41.31S, 172.71E, h144km, 6km, M2.9/16, MLV2.9/16, Error ellipse: s-maj=9.7km s-min=6.8km az=149.2, confirmed

IDC 20 18:22:08.7, 1.5, 4.129S, 172.68E, 0.05, h177km, 8km, n75, c192/284, South Island

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MTRV, ILAR, H1N2, etc.

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

20d 18h

Table with columns: ID, Name, Az, El, P, S, Az, El, P, S, Az, El, P, S. Rows include D17K Noatak River, L16K Owhat River, G17K Kwaiik Mouta, etc.

2018 DEC

Table with columns: ID, Name, Az, El, P, S, Az, El, P, S, Az, El, P, S. Rows include G23K Bananza Creek, RC01 Rabbit Creek A, D23K Nanshuk River, etc.

1282

Table with columns: ID, Name, Az, El, P, S, Az, El, P, S, Az, El, P, S. Rows include DAWY Dawson, H29M Whitestone, E29M Blow River, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like ABKAR Akbulak array, FINES FINES Array B, PHRA Phrae, BTK Batken, CHTO Chiang Mai, etc.

IDC 20 18:29:37.2-1.1, 33.31N:76.11E, h0km, mb3 6/8, mbmp3.6/10, ML3.3/2, Error ellipse: s-maj=31.2km, s-min=17.9km az=65.0

ISC 20 18:29:41.5-1.1, 33.44N:0.1x76.2E:0.2, h26km, n10, o#87(11, mb3.6/7, Kashmir-India border region

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like AAK Ala-Archa, AAK, MKAR Makanchi Array, BVAR Borovoye Array, ZALV Zalesovo Beam, CMAR Chiang Mai Arr, SONM Songin Array, FINES FINES Array B, TORD Torodi Arr, WRA Waramunga Arr, ASAR Alice Springs, ESDC Sonseca Array, ESDC Sonseca Array.

IDC 20 18:30:57.0-1.5, 54.97N:164.64E, h0km, mb4 7/35, mbmp4.8/40, ML4.3/5, Error ellipse: s-maj=12.4km, s-min=9.3km az=165.0

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like BKI Bering, BKI, BKT Bering, KBTR Krutoberegovo, KBTR, KBTR, CIRR Tsirk, CIRR, BZP Bezmyanniy-Pe, BZMR Bezmyannaya, BZMR, TUMR Tumrok.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like TUMR Tumrok, SRKR Sorokina, KMNR Kamenistaya, KMNR Kamenistaya, KIRR Kirishev, KIRR Kirishev, KLY Klyuchi, KLY Klyuchi, KOZ Kozyrevsk, KOZ Kozyrevsk, KII Karymskiy, KII Karymskiy, SPN Mys Shipunski, SPN Mys Shipunski, SPN Mys Shipunski, ESO Esso, ESO Esso, SMAR Somma, SMAR Somma, SMAR Somma, SMAR Somma, KRER Koryakskii, KRER Koryakskii, UGLR Uglovaya, UGLR Uglovaya, AVH Avacha, AVH Avacha, AVH Avacha, AVH Avacha, KRX Arik, KRX Arik, KRX Arik, KRX Arik, KOK Koryaka, KOK Koryaka, KOK Koryaka, DALK Dalny, DALK Dalny, DALK Dalny, PET Petropavlovsk, PET Petropavlovsk, PET Petropavlovsk, INSR Institute, INSR Institute, INSR Institute, GNL Ganaly, GNL Ganaly, KRMR Karymskiy, KRMR Karymskiy, RUS Russkaya, RUS Russkaya, PEAOB Petropavlovsk, PEAOB Petropavlovsk, PEAOB Petropavlovsk, PETK Petropavlovsk, PETK Petropavlovsk, PETK Petropavlovsk, PETK Petropavlovsk, OQR Oссора, OQR Oссора, OQR Oссора, MTRV Mutnovka, MTRV Mutnovka, MTRV Mutnovka, GR GRL, GRL GRL, APC Apacha, APC Apacha, APC Apacha, TILK Tilichiki, TILK Tilichiki, PAU Pauzhetka, PAU Pauzhetka, SHEM Shetya Is, Ala, SHEM Shetya Is, Ala, SHEM Shetya Is, Ala, SHEM Shetya Is, Ala, SKR Severo-Kuril's, SKR Severo-Kuril's, KMSK Kamenskaya, KMSK Kamenskaya, MA2 Magadan, MA2 Magadan, SEY Seyman, SEY Seyman, BILL Bilibino, BILL Bilibino, TYV Tymovskoe, TYV Tymovskoe, TYV Tymovskoe, GAMB Gambell, YSS Yuzhno-Sakhal, YSS Yuzhno-Sakhal, YSS Yuzhno-Sakhal, YUK Yuzh-Kuril'sk, YUK Yuzh-Kuril'sk, M11K Mekoryuk, M11K Mekoryuk, TNA Tin City, TNA Tin City, K13K Kusilvok, K13K Kusilvok, GRNR Gornyy, GRNR Gornyy, F14K Arctic Creek, F14K Arctic Creek, ANM Nome, ANM Nome, JKA Kamikawa-asahi, JKA Kamikawa-asahi, ASAJ Asahikawa, ASAJ Asahikawa, ASAJ Asahikawa, ASAJ Asahikawa, M13K Dall Lake, M13K Dall Lake, J14K Navaranak Lak, J14K Navaranak Lak, L14K Kuka Creek, L14K Kuka Creek, G15K Niukluk, G15K Niukluk, F15K North Star Dit, F15K North Star Dit, N14K Kuskokwak Cree, N14K Kuskokwak Cree, S12K Black Hills, S12K Black Hills, L15K Ungalak Mounta, L15K Ungalak Mounta, O14K Tigykukaiwet M, O14K Tigykukaiwet M, K15K Wolf Creek Mou, K15K Wolf Creek Mou, H16K Elim, H16K Elim.

IDC 20 18:30:57.0-1.5, 54.97N:164.64E, h0km, mb4 7/35, mbmp4.8/40, ML4.3/5, Error ellipse: s-maj=12.4km, s-min=9.3km az=165.0

ISC 20 18:30:57.0-1.5, 54.97N:164.64E, h0km, mb4 7/35, mbmp4.8/40, ML4.3/5, Error ellipse: s-maj=12.4km, s-min=9.3km az=165.0

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like SKR Severo-Kuril's, SKR Severo-Kuril's, KMSK Kamenskaya, KMSK Kamenskaya, MA2 Magadan, MA2 Magadan, SEY Seyman, SEY Seyman, BILL Bilibino, BILL Bilibino, TYV Tymovskoe, TYV Tymovskoe, TYV Tymovskoe, GAMB Gambell, YSS Yuzhno-Sakhal, YSS Yuzhno-Sakhal, YSS Yuzhno-Sakhal, YUK Yuzh-Kuril'sk, YUK Yuzh-Kuril'sk, M11K Mekoryuk, M11K Mekoryuk, TNA Tin City, TNA Tin City, K13K Kusilvok, K13K Kusilvok, GRNR Gornyy, GRNR Gornyy, F14K Arctic Creek, F14K Arctic Creek, ANM Nome, ANM Nome, JKA Kamikawa-asahi, JKA Kamikawa-asahi, ASAJ Asahikawa, ASAJ Asahikawa, ASAJ Asahikawa, ASAJ Asahikawa, M13K Dall Lake, M13K Dall Lake, J14K Navaranak Lak, J14K Navaranak Lak, L14K Kuka Creek, L14K Kuka Creek, G15K Niukluk, G15K Niukluk, F15K North Star Dit, F15K North Star Dit, N14K Kuskokwak Cree, N14K Kuskokwak Cree, S12K Black Hills, S12K Black Hills, L15K Ungalak Mounta, L15K Ungalak Mounta, O14K Tigykukaiwet M, O14K Tigykukaiwet M, K15K Wolf Creek Mou, K15K Wolf Creek Mou, H16K Elim, H16K Elim.

IDC 20 18:30:57.0-1.5, 54.97N:164.64E, h0km, mb4 7/35, mbmp4.8/40, ML4.3/5, Error ellipse: s-maj=12.4km, s-min=9.3km az=165.0

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like BKI Bering, BKI, BKT Bering, KBTR Krutoberegovo, KBTR, KBTR, CIRR Tsirk, CIRR, BZP Bezmyanniy-Pe, BZMR Bezmyannaya, BZMR, TUMR Tumrok.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like ERM Erimo, ERM Erimo, ERM Erimo, M15K Kasigliuk River, M15K Kasigliuk River, G16K Koyuk River, G16K Koyuk River, C16K Lisburne Hills, C16K Lisburne Hills, YAK Yakutsk, YAK Yakutsk, YAK Yakutsk, YAK Yakutsk, YAK Yakutsk, N15K Kwethluk River, N15K Kwethluk River, J16K Anvik River, J16K Anvik River, I17K Unalakleet, I17K Unalakleet, O15K Ungalikthiuk R, O15K Ungalikthiuk R, D17K Noatak River, D17K Noatak River, G17K Owhat River, G17K Owhat River, L16K Kiwalik Mounta, L16K Kiwalik Mounta, F17K Baldwin Pennin, F17K Baldwin Pennin, E17K Hotham Inlet, E17K Hotham Inlet, RDOC Red Dog Mine, RDOC Red Dog Mine, M16K Timbar Creek, M16K Timbar Creek, C17K DeLong Mountai, C17K DeLong Mountai, H17K Granite Mounta, H17K Granite Mounta, N16K Nishlik Lake, N16K Nishlik Lake, J17K VABM Dome, J17K VABM Dome, L17K Donlin, L17K Donlin, TEY Ternei, TEY Ternei, K17K Iditarod, K17K Iditarod, O16K Kokwok River B, O16K Kokwok River B, E18K Tukpaleark C, E18K Tukpaleark C, P16K Nushagak River, P16K Nushagak River, F18K Selawik, F18K Selawik, CHGN Chignik, CHGN Chignik, CHGN Chignik, CHGN Chignik, M17K Holitna River, M17K Holitna River, M17K Holitna River, H18K Honhosa River, H18K Honhosa River, C18K Utukok River, C18K Utukok River, G18K Tagaiguk, G18K Tagaiguk, N17K Nushagak Hills, N17K Nushagak Hills, N17K Nushagak Hills, B18K Koliuk River, B18K Koliuk River, R16K Pilot Point, R16K Pilot Point, O17K Koligek Bris, O17K Koligek Bris, J17K Tenabayashi, J17K Tenabayashi, L18K Granite Mounta, L18K Granite Mounta, L18K Granite Mounta, L18K Innoko River, L18K Innoko River, J18K Innoko River, J18K Innoko River, G19K Purcell Mounta, G19K Purcell Mounta, G19K Purcell Mounta, G19K Purcell Mounta, N18K Kilae Cree, N18K Kilae Cree, N18K Kilae Cree, C19K Lookout Ridge, C19K Lookout Ridge, M18K Stony River, M18K Stony River, A19K Wainwright, A19K Wainwright, H19K Roundabout Mou, H19K Roundabout Mou, H19K Roundabout Mou, H19K Roundabout Mou, ZEA Zeya, ZEA Zeya, ZEA Zeya, ZEA Zeya, Q17K Contact Cree, Q17K Contact Cree, J17K Poornam, J17K Poornam, E19K Redstone River, E19K Redstone River, D19K Kuna River, D19K Kuna River, O18K Koktuh Hills, O18K Koktuh Hills, O18K Koktuh Hills, P18K Big Mountain, P18K Big Mountain, P18K Big Mountain, L19K White Mountain, L19K White Mountain, L19K White Mountain, ACHA Angle Creek He, ACHA Angle Creek He.

IDC 20 18:30:57.0-1.5, 54.97N:164.64E, h0km, mb4 7/35, mbmp4.8/40, ML4.3/5, Error ellipse: s-maj=12.4km, s-min=9.3km az=165.0

ISC 20 18:30:57.0-1.5, 54.97N:164.64E, h0km, mb4 7/35, mbmp4.8/40, ML4.3/5, Error ellipse: s-maj=12.4km, s-min=9.3km az=165.0

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like BKI Bering, BKI, BKT Bering, KBTR Krutoberegovo, KBTR, KBTR, CIRR Tsirk, CIRR, BZP Bezmyanniy-Pe, BZMR Bezmyannaya, BZMR, TUMR Tumrok.

IDC 20 18:30:57.0-1.5, 54.97N:164.64E, h0km, mb4 7/35, mbmp4.8/40, ML4.3/5, Error ellipse: s-maj=12.4km, s-min=9.3km az=165.0

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like BKI Bering, BKI, BKT Bering, KBTR Krutoberegovo, KBTR, KBTR, CIRR Tsirk, CIRR, BZP Bezmyanniy-Pe, BZMR Bezmyannaya, BZMR, TUMR Tumrok.

20d 18h

Table with columns: Call sign, Frequency, Mode, Power, and other technical details for various radio stations.

2018 DEC

Table with columns: Call sign, Frequency, Mode, Power, and other technical details for various radio stations.

1286

Table with columns: Call sign, Station Name, Frequency, Mode, Power, and other technical details for various radio stations.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include H18K Honhosha River, C18K Utukok River, J19K Poorman, B21K Ipkipuk River, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include YKA Yellowknife Arr, KURBB Kurchatov Arr, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include GRL Gorelyy, APC Apache, YAK Yakutsk, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include D24K Happy Valley, F24K Squaw Lake, C24K Hadwoc Riv, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include BKI Bering, BKTR Krutoberegovo, SMKR Semkarok, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include H11N2 WAKE ISLAND Hy, H11N3 WAKE ISLAND Hy, H11N1 WAKE ISLAND Hy, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include MTRV Mutnovka, GRL Gorelyy, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include BKI Bering, BKTR Krutoberegovo, BKTR Krutoberegovo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include YKA Yellowknife Arr, KURKB Kurchatov, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include MTRV Mutnovka, GRL Gorelyy, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include H11N2 WAKE ISLAND Hy, H11N3 WAKE ISLAND Hy, H11N1 WAKE ISLAND Hy, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include BKI Bering, BKTR Krutoberegovo, BKTR Krutoberegovo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include BKI Bering, BKTR Krutoberegovo, BKTR Krutoberegovo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include BKI Bering, BKTR Krutoberegovo, BKTR Krutoberegovo, etc.

20d 19h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ILAR Eielson Array, H1N2 WAKE ISLAND, H1N3 WAKE ISLAND, etc.

IDC 20 19:15:12.9.0.7, 26.798N, 53.90E, h0km, mb3.8/20, mbmp3.8/25, ML3.7/5, Error ellipse: s-maj=17.2km s-min=13.7km az=23.0

Main table of station data for the 20d 19h period, listing various stations like LMD1 Lamerd, LAR1 LAR, JHRM Jahrom, etc.

2018 DEC

Table of station data for the 2018 DEC period, including stations like WBK NGCH, NGCH Negor - Chabah, NHDN Nehbandan, etc.

IDC 20 19:16:58.1.3.0.55, 14N, 164.77E, h0km, mb3.5/4, mbmp3.5/6, ML4.0/1, Error ellipse: s-maj=76.2km s-min=26.6km az=164.0

Main table of station data for the 2018 DEC period, including stations like BKI Bering, BKI KBT, BZWR Krutynennyi-We, etc.

1288

Table of station data for the 1288 period, including stations like DZM 15nm, 0.3s, baz=122, slow=21, SNR=191, DZM 17nm, 0.3s, baz=140, slow=23, SNR=16, etc.

Main table containing station codes, names, coordinates, and various technical parameters for 2018 DEC observations. Includes columns for Code, Station Name, Azimuth, Phase ID, Time, Resolution, and multiple columns of technical data.

ADC 20:19:27.45:5.0,8.22:115:169:28E,h0km,mb4.4/1.0, mbmp4.3/12,ML3.6/2,Error ellipse: s-maj=25.4km s-min=21.2km az=31.0, NEIC 20:19:27.47:6.2,4.22:07S:0:10:169:1E:0:1,h10km,1km, mb4.6/9,Error ellipse: s-maj=17.9km s-min=16.4km

20d 19h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Ouen Toro, Mont Dzumac, Sarauotou, Nonsavu, Urewera, Charters Tower, Port Moresby, etc.

KRSC 20 19:29:35.5-1.5, 54.95N:164.67E, h37km, mb3.7, 5, m1bpm3.67, ML3.2/2, Error ellipse: s-maj=49.2km s-min=22.1nm, 0.8s

ISC 20 19:29:36.7-0.9, 55.17N:0.07-164.73E, h27km, n33, c208/46, mb3.6, Komandorsky Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Bering, Krutoberegovo, Semkarok, Berymyanniy-Pe, etc.

ATH 20 19:37:18.5, 40.62N-23.77E, h12km, 1km, ML2.0/13, Manual Solution by M.Kolligri First location: 2018/12/20 19:37:36, This location: 2019/03/28 15:21:29

2018 DEC

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Kokkinochori, Ouranopolis, Polygyros, Nigrita, Stivos, etc.

BEO 20 19:38:14.1-1.1, 40.28N:23.96E, h5km, 3km, ML2.5/6, Greece

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Serrai, Valandovo, Plovdiv, Vitosha, etc.

IDC 20 19:43:49.9-0.7, 55.05N:164.67E, h0km, mb3.9/20, mbmp4.0/23, ML4.4/3, Error ellipse: s-maj=19.7km s-min=12.8km, az=150.0

KRSC 20 19:43:49.7-1.5, 54.97N:164.91E, h60km, 21km, ML4, NEIC 20 19:43:51.0-2.4, 55.0N:0.2-164.7E, h10km, 2km, mb4.3/58, Error ellipse: s-maj=31.6km s-min=15.4km

MOS 20 19:43:53.0-0.8, 55.02N:164.71E, h44km, mb4.5/6, Error ellipse: s-maj=8.0km s-min=5.8km, az=55.2

ISC 20 19:43:51.0-1.5, 55.03N:0.04-164.73E, h0km, 10km, n161, c1928/183, mb2.4/29, Komandorsky Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Bering, Krutoberegovo, Semkarok, Berymyanniy-Pe, etc.

1290

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Kamenskaya, Kamenskaya, Asahika, Wolf Creek, etc.

Table with columns: INK, comp=Z, 0.6m, 0.8s, H1N2, WAKE ISLAND Hy 35.28 176, H1N3, WAKE ISLAND Hy 35.29 176, H1N1, WAKE ISLAND Hy 35.30 176, SONMI, Songino Array 36.12 283, YKA, Yellowknife Ar 39.77 46, SPITS, Spitsbergen Ar 45.65 351, SPITS, Spitsbergen Ar 45.65 351, KURK, Kurchatov Arra 49.01 303, KURBB, Kurchatov Arra 49.01 303, MK31, Makanchi Array 49.75 297, MK31, Makanchi Array 49.75 297, MKAR, Makanchi Array 49.75 297, BVAR, Borovyoye Array 51.30 309, ARCES, ARCESS Array B 52.26 343, NVAR, Mina Array Bea 52.55 75, PDAR, Pinedale Array 54.20 65, FINES, FINESS Array B 59.38 338, CMAR, Chiang Mai Arr 61.22 261, NOA, NORFAR Array B 62.39 346, HFS, Hagfors 62.89 344, TXAR, Lajitas Array 67.39 71, TXAR, Lajitas Array 67.39 71, AKASG, Malin Array Be 68.29 331, WRA, Warrungarra Arr 79.05 209, ASAR, Alice Springs 82.71 208, ASAR, Alice Springs 82.71 208

IDC 20:19:48:32.5:2.9, 54:81N:164:78E, h0km, mb3.3/4, mbmp3.3/5, ML2.5/1, Error ellipse: s-maj=92.3km s-min=21.6km az=160.0

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time, Res, BKI Bering 0.65 90, KBTR Krutoberegovo 1.52 312, KREK Koryakskii 4.05 244, KRX Arik 4.07 245, AVH Avacha 4.07 244, KOK Koryaka 4.11 245, PETK Petropavlovsk- 4.69 246, MTRV Mutnovka 4.79 238, ILAR Eielson Array 25.33 48, YKA Yellowknife Ar 39.70 46, KURBB Kurchatov Arra 49.06 303, MKAR Makanchi Array 49.75 297

KRSC 20:19:58:56.1:1.6, 54:74N:164:69E, h43km, 35km, M1.4, IDC 20:19:58:57.3:0.5, 54:74N:164:04E, h0km, mb3.2/3, mbmp3.2/4, ML2.2/1, Error ellipse: s-maj=87.9km s-min=25.8km az=155.0

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time, Res, BKI Bering 0.84 79, KBTR Krutoberegovo 1.51 321, KREK Koryakskii 2.40 293, KMNRR Kamenistaya 2.55 288, KOZ Kozyrevskii 2.83 293, SMAR Sonma 3.81 244, KREK Koryakskii 3.82 245, AVH Avacha 3.85 245, KRX Arik 3.85 246, PETK Petropavlovsk 4.01 242, KRMR Karymshinskyi 4.39 242, PETK Petropavlovsk- 4.47 247, PETK 0.7m, 0.3s, baz=76, slow=20, SNR=1.4, MTRV Mutnovka 4.56 238, GRL Gorelyy 4.57 239, ILAR Eielson Array 25.37 48, KURBB Kurchatov Arra 49.06 303, MKAR Makanchi Array 49.75 297

IDC 20:20:00:28.8:14.0, 16:85S:169:14E, h0km, mb3.8/3, mbmp3.8/3, Error ellipse: s-maj=409.2km s-min=53.7km az=130.0, Vanuatu Islands

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time, Res, WRA Warrungarra Arr 33.13 259, ASAR Alice Springs 33.68 253, SONMI Songino Array 85.26 323

IDC 20:20:07:54.0:0.8, 54:93N:164:50E, h0km, mb3.8/15, mbmp3.9/17, ML4.4/1, Error ellipse: s-maj=22.8km s-min=15.3km az=147.0

KRSC 20:20:07:54.5:1.6, 54:75N:164:52E, h46km, 37km, M1.4, NEIC 20:20:07:55.0:1.3, 54:8N:0.2:164:5E:0.3, h10km, 2km, mb4.0/37, Error ellipse: s-maj=36.7km s-min=5.7km az=137.0

ISC 20:20:07:54.7:1.8, 54:85N:0.0:164:45E:0.05, h6km, 12km, n84, r129/91, mb4.0/33, Komandorski Islands region

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time, Res, BKI Bering 0.95 68, KBTR Krutoberegovo 1.64 326, SMKR Semkarok 2.42 317, CIRR Tsirik 2.46 303, BZMR Bezymyannaya 2.50 297, KMNRR Kamenistaya 2.57 292, KOZ Kozyrevskii 2.87 297, SPN SPN My Shipunski 1.5 238, SPN Esso 3.45 290, SMAR Sonma 3.69 247, KREK Koryakskii 3.70 247, UGLR Uglovaya 3.70 246, AVH Avacha 3.72 247, KRX Arik 3.73 249, KOK Koryaka 3.76 248, PETK Petropavlovsk 3.84 244, GNL Ganaly 3.98 256, KRMR Karymshinskyi 4.25 244, PEABK Petropavlovsk- 4.35 249, PETK 2.8m, 0.4s, baz=65, slow=17, SNR=10, MTRV Mutnovka 4.42 240, GRL Gorelyy 4.43 241, APC Apacha 4.72 249, YAK Yakutsk 19.36 308, M16K Timber Creek 20.17 57, H17K Grapla Mouta 20.23 46, J17K YAM Dome 20.31 50, E18K Tulpaherik C 20.68 39, M17K Holifna River 20.92 56, H18K Honhosa River 20.92 46, C18K Utukok River 20.93 35, G18K Gagayok 20.97 44, J18K Innoko River 21.37 51, F19K Shaerukit Mo 21.55 41, C19K Lookout Ridge 21.65 35, J19K Poorman 21.91 49, J19K Redstone River 21.92 40, TIXI Tiksi 22.66 331, H21K Melozitna Rive 23.30 45, CAST Castle Rocks 23.45 51, B21K Ikpik Puk 23.48 35, E22K Anaktuvuk Pass 24.09 39, B22K Teshepuk Lake 24.10 34, G23K China Poot 24.11 61, G23K Bananza Creek 24.54 43, C23K Inlik River 24.88 36, TOLK Toolik Lake Re 25.00 39, WRH Wood River Hill 25.22 49, E24K Your Creek 25.30 40, H24K Noodor Dome 25.34 45, CCB Clear Creek Bu 25.34 48, F24K Squaw Lake 25.46 41, G24K Hadwaenzic Riv 25.45 43, MJAR Matsushiro Arr 25.66 235, IL31 Inuvik 25.74 48, ILAR Eielson Array 25.74 48, D25K Kavik River 26.24 37, BMAR Burnt Mountain 26.73 42, BCAR Beaver Creek A 28.12 51, D27M Malcolm River 28.15 38, H29M Whitestone 29.21 44, G29M Chukchee Creek 29.29 43, L29M L29M 29.75 51, I30M Mount Dempster 30.15 46, KSR5 Korea Array 30.25 250, INK Inuvik 30.89 40, M31M Druyk 31.64 52, H1N2 WAKE ISLAND Hy 35.11 176, H1N3 WAKE ISLAND Hy 35.13 176, H1N1 WAKE ISLAND Hy 35.13 176, SONMI Songino Array 36.00 283, YKA Yellowknife Ar 40.11 45, RES Resolute Bay 40.70 24, KURK Kurchatov 48.96 303, KURBB Kurchatov Arra 49.07 303, MKAR Makanchi Array 49.68 297

IDC 20:20:14:55.2:0.5, 6:98N:34:04W, h0km, mb4.3/19, mbmp4.3/22, ML4.0/3, MS4.7/3, Error ellipse: s-maj=17.5km s-min=13.3km az=145.0

NEIC 20:20:14:58.6:1.8, 7:0N:0.1:34:0W:0.1, h10km, 1km, mb4.9/32, Error ellipse: s-maj=23.4km s-min=17.9km az=159.0

ISC 20:20:14:57.7:0.4, 7:03N:0:07:33:98W:0:07, h15km, n105, r125/65, mb4.6/40, Central Mid Atlantic Ridge

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time, Res, NBCL Cascavel-CE 11.98 201, SACV Santiago Island 12.87 51, RCBR Riachuelo 12.92 189, NBLV Livramento - P 14.60 192, NBMA Muriti-Ce 15.08 199, NBLA Lagarto - SE 18.30 192, MDP Montagnes des 18.66 265, BBTS Babate 18.72 65, PRPB Parauapebas 20.54 231, GDU01 Guandu, BA 21.36 195, MAL2 Monte Alegre, 22.08 247, SDBA SAO DESIDERIO 22.16 209, CMC01 Camacan, BA 22.92 194, JANB Januaria 24.22 205, H10N3 ASCENSION HYDR24.0 127 T, H10N2 ASCENSION HYDR24.1 127 T, H10N1 ASCENSION HYDR24.2 127 T, ITTB Itaituba 24.49 243, H10S3 ASCENSION HYDR24.95 129 T, H10S2 ASCENSION HYDR24.97 129 T, NPGB Novo Progresso 25.97 237, SNDB Serra Nova Dou 25.56 222, BDBF Brasilia 26.48 212, BOAV Boa Vista 26.85 261, BOAV Boa Vista 26.85 261, H05S1 Guadeloupe/Mar 27.37 288, H05N1 Guadeloupe/Mar 28.05 292, IPMB Iperame, GO 28.56 209, ARAG Araguaiana, MT 28.68 218, DBIC Dimbokro 28.91 89, DBIC Dimbokro 28.91 89, PDRB Porto dos Gac 29.25 231, PMSA Santa Maria 30.89 14, PSMN Pico do Norte, 30.92 14, BART Pico Bartolome 31.63 13, WILB Wilber 32.76 233, IGPR InterUniversit 33.14 292, SAML Samuel 33.16 242, SAML Samuel 33.16 242, SAML Samuel 33.16 242, PTBL Pontes e Lacer 33.47 228, PTBL Pontes e Lacer 33.47 228, CELP Cerrillos 33.69 292, AQDB Aquidauana 34.60 218, EDON Bodoquena, MS 35.63 219, TORL Torodi Arr. Bea 35.61 77, TORL Torodi Arr. Bea 35.61 77, TORL Torodi Arr. Bea 35.61 77, BBSD Serra de San D 35.67 227, PTGB Pitanga 36.15 209, ETMB Extrema 36.21 243, ETMB Extrema 36.21 243

comp=Z, 0.6m, 0.7s, FINES FINESS Array B 59.48 338, CMAR Chiang Mai Arr 61.03 261, NOA NORFAR Array B 62.52 346, TXAR Lajitas Array 67.60 71, WRA Warrungarra Arr 78.81 209, ASAR Alice Springs 82.47 208, ESDC Sonseca Array 85.32 351, KRSC 20:20:10:30.0:1.8, 54:89N:164:71E, h41km, 34km, M1.4, IDC 20:20:10:34.5:1.9, 55:42N:163:59E, h0km, mb3.6/4, mbmp3.6/5, ML1.9/1, Error ellipse: s-maj=43.2km s-min=28.4km az=162.0

ISC 20:20:10:28.2:1.0, 54:73N:0:07:164:54E:0.05, h17km, n16, r129/21, mb3.7/4, Komandorski Islands region

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time, Res, BKI Bering 0.95 60, KBTR Krutoberegovo 1.77 327, TUMR Tumrok 2.59 284, KMNRR Kamenistaya 2.67 294, SPN My Shipunski 3.13 240, SMAR Sonma 3.69 249, UGLR Uglovaya 3.70 248, AVH Avacha 3.72 249, KOK Koryaka 3.77 250, PETK Petropavlovsk- 4.36 251, MTRV Mutnovka 4.40 242, GRL Gorelyy 4.42 243, TIXI Tiksi 22.79 332, KURBB Kurchatov Arra 49.18 303, MKAR Makanchi Array 49.78 297, TXAR Lajitas Array 67.59 71

IDC 20:20:14:55.2:0.5, 6:98N:34:04W, h0km, mb4.3/19, mbmp4.3/22, ML4.0/3, MS4.7/3, Error ellipse: s-maj=17.5km s-min=13.3km az=145.0

NEIC 20:20:14:58.6:1.8, 7:0N:0.1:34:0W:0.1, h10km, 1km, mb4.9/32, Error ellipse: s-maj=23.4km s-min=17.9km az=159.0

ISC 20:20:14:57.7:0.4, 7:03N:0:07:33:98W:0:07, h15km, n105, r125/65, mb4.6/40, Central Mid Atlantic Ridge

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time, Res, NBCL Cascavel-CE 11.98 201, SACV Santiago Island 12.87 51, RCBR Riachuelo 12.92 189, NBLV Livramento - P 14.60 192, NBMA Muriti-Ce 15.08 199, NBLA Lagarto - SE 18.30 192, MDP Montagnes des 18.66 265, BBTS Babate 18.72 65, PRPB Parauapebas 20.54 231, GDU01 Guandu, BA 21.36 195, MAL2 Monte Alegre, 22.08 247, SDBA SAO DESIDERIO 22.16 209, CMC01 Camacan, BA 22.92 194, JANB Januaria 24.22 205, H10N3 ASCENSION HYDR24.0 127 T, H10N2 ASCENSION HYDR24.1 127 T, H10N1 ASCENSION HYDR24.2 127 T, ITTB Itaituba 24.49 243, H10S3 ASCENSION HYDR24.95 129 T, H10S2 ASCENSION HYDR24.97 129 T, NPGB Novo Progresso 25.97 237, SNDB Serra Nova Dou 25.56 222, BDBF Brasilia 26.48 212, BOAV Boa Vista 26.85 261, BOAV Boa Vista 26.85 261, H05S1 Guadeloupe/Mar 27.37 288, H05N1 Guadeloupe/Mar 28.05 292, IPMB Iperame, GO 28.56 209, ARAG Araguaiana, MT 28.68 218, DBIC Dimbokro 28.91 89, DBIC Dimbokro 28.91 89, PDRB Porto dos Gac 29.25 231, PMSA Santa Maria 30.89 14, PSMN Pico do Norte, 30.92 14, BART Pico Bartolome 31.63 13, WILB Wilber 32.76 233, IGPR InterUniversit 33.14 292, SAML Samuel 33.16 242, SAML Samuel 33.16 242, SAML Samuel 33.16 242, PTBL Pontes e Lacer 33.47 228, PTBL Pontes e Lacer 33.47 228, CELP Cerrillos 33.69 292, AQDB Aquidauana 34.60 218, EDON Bodoquena, MS 35.63 219, TORL Torodi Arr. Bea 35.61 77, TORL Torodi Arr. Bea 35.61 77, TORL Torodi Arr. Bea 35.61 77, BBSD Serra de San D 35.67 227, PTGB Pitanga 36.15 209, ETMB Extrema 36.21 243, ETMB Extrema 36.21 243

2020 20h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like Santo Domingo, Villa Florida, La Paz, Tam, etc.

IDC 20 20:16:10.92±0.55:06N:164.49E, h0km, mb3.4/4, mbmp3.5/5, ML3.3/1, Error ellipse: s-maj=71.9km s-min=24.4km az=166.0

KRSC 20 20:16:11.6±1.5, 54.79N:164.51E, h47km, mb3.4km, M4.0, ISC 20 20:16:10.9±1.1, 54.90N:164.41E:0.04, h4km, 21km, n34, ±174/58, mb3.5/4, Komandorsky Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like Bering, Krutoberegovo, KIR, etc.

2018 DEC

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like Dalny, Petropavlovsk, Ganaly, etc.

PAS 20 20:18:22.9±1.5, 33.48N:0.04±1.16:80W:0.03, h4km, 5km, ML3.5/2.96, ML3.3/4.0(NEIC), Error ellipse: s-maj=6.0km

NEIC 20 20:18:22.2±1.0, 33.49N:0.02±1.16:77.8W:0.009, h10km, 7km, Error ellipse: s-maj=2.7km s-min=1.1km az=185.0

ISC 20 20:17:22.3±0.8, 33.46N:0.02±1.16:80W:0.02, h11km, 6km, n87, ±0.73/118, Southern California

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like Palomar, Buzz No.'s Pla, etc.

ISC 20 20:34:09.1±0.9, 36.41N:0.02±28.70E:0.01, h13km, 7km, n80, ±111/116, mb3.2/5, Dodecanese Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like Barrett, Cottonwood Mku, etc.

1292

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like VTX, ISA, 113A, etc.

IDC 20 20:22:58.1±3.6, 4.43N:94.63E, h0km, mb3.6/2, mbmp3.5/4, ML3.3/1, Error ellipse: s-maj=74.5km s-min=44.3km az=62.0

DJA 20 20:23:02.1±1.0, 6.6°N:9°55'E±, h43km, 11km, M4.0/6, mb4.0/4, ML4.0/6

ISC 20 20:23:02.6±1.2, 5.80N:0.09±95.50E:0.07, h50km, n11, ±2508/14, Northern Sumatra

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like BSI, LHHI, MSLI, etc.

CMAR Chiang Mai Arr 13:02 15 Pn 20 26 25.3 +1.2 WRA Warramunga Arr 45:57 125 P 20 31 21.7 +0.8

ASAR Alice Springs 47:56 129 P 20 31 35.0 +1.7

IDC 20 20:34:07.1±1.1, 36.39N:28.91E, h0km, mb3.3/4, mbmp3.4/9, ML3.5/4, Error ellipse: s-maj=19.4km s-min=18.3km az=123.0

ISK 20 20:34:08.2, 36.45N:28.69E, h5km, ML3.1/35 AFAD 20 20:34:08.0±0.0, 36.43N:28.70E, h7km, 3km, ML3.0

ATH 20 20:34:09.6, 36.34N:28.70E, h8km, 1km, ML2.9/7, Manual Solution by M.Kollrig First location: 2018/12/20 20:35:33

THE 20 20:34:09.1, 36.40N:28.70E, h0km, 1km, ML2.8/4, Error ellipse: s-maj=3.5km s-min=0.9km az=359.0

ISC 20 20:34:09.1±0.9, 36.41N:0.02±28.70E:0.01, h13km, 7km, n80, ±111/116, mb3.2/5, Dodecanese Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like RODB, FETHIYE, DALY, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Denizli-Tavas, Bodrum, Antalya-Kumluca, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Fiskardo, Riolos of Patr, Artemida-Mokis, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Flat Rock, Acton, Ashfield, etc.

ATH 20:20:38:12.7, 37:52N-20:43E, h10km, 4km, ML3.2/6, Error ellipse: s-maj=4.9km s-min=1.6km az=45.0

IDC 20:20:38:23.9, 0.8, 48:29N:78:47W, h0km, mb2.8/1, mtbmp3.6/6, ML3.1/5, Error ellipse: s-maj=12.8km

KRSC 20:20:42:13.8, 1.6, 54:87N:164:65E, h48km, 39km, ML3.5, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Lithakia, Pessada-Kefalo, Valsamata, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Sadowa, Tobermony, Bru, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Bering, Krotoberegovo, Tumulok, etc.

20d 20h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CMAR Chiang Mai Arr, TXAR Lajitas Array, ASAR Alice Springs, ESDC Sonseca Array.

NEIC 20 20:47:49.3±1.1, 61.41°N, 0.03:149.93°W, 0.06, h34km, 1.1km, Error ellipse: s-maj=4.5km s-min=3.8km az=155.0

AEIC 20 20:47:49.9±1.7, 61.37°N, 0.02:150.02°W, 0.06, h34km, 7km, M2.6, ML2.8/94(NEIC), Error ellipse: s-maj=4.3km s-min=2.1km az=65.0, Southern Alaska

Main table for NEIC and AEIC stations. Columns: Code, Station Name, Az, Phase ID, Time, Res. Lists numerous stations including Fire Island, Rabbit Creek A, Susitna One, Willow, Palmer, Fire Island, etc.

2018 DEC

Table with columns: F26K, E19K, TOLK, U35K, Station Name, Az, Phase ID, Time, Res. Includes Sheenjek River, Redstone River, Toolik Lake Re, Hyder.

NEIC 20 20:50:04.6±1.0, 1.09:19.36°N, 0.02:155.15°W, 0.01, h63km, 1km, Error ellipse: s-maj=2.5km s-min=1.2km az=154.0

HVO 20 20:50:04.1-0.9, 19.34°N, 0.02:155.14°W, 0.01, h5km, 2km, ML2.5/12, ML2.4/40(NEIC), Error ellipse: s-maj=3.3km s-min=1.2km az=153.0, Hawaiian Islands

Main table for NEIC and HVO stations. Columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Kane Nui o Ham, Steam Cracks, Kane Nui o Ham, etc.

OMAN 20 20:52:19.2±0.2, 25.24°N, 60.91°E, h7km, 4km, mb3.7/1, m12.8/6, Mwp6.5/3, Error ellipse: s-maj=6.6km s-min=1.7km az=235.0, Southern Iran

Main table for OMAN stations. Columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Negor - Chabah, JASK, WBK, etc.

1294

Main table for 1294 stations. Columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Tumrok, Kirishev, Kamenistaya, Mys Shipunski, etc.

NEIC 20 20:56:51.7±1.3, 37.61°N, 0.02:97.43°W, 0.04, h5km, 1km, mb_Lg2.3/ML2.8/16, Error ellipse: s-maj=4.9km s-min=2.9km az=84.0, Kansas

Main table for NEIC Kansas stations. Columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Caldwell North, Argonia South, Resolute Bay, etc.

KRSC 20 20:56:19.1±1.4, 55.00°N, 164.87°E, h63km, 22km, M14.0, IDC 20 20:56:19.8±1.8, 55.19°N, 164.56°E, h0km, mb3.3/4, mb10p3.4/5, ML3.1/1, MS4.4/1, Error ellipse: s-maj=6.0km s-min=2.0km az=151.0

NEIC 20 20:56:20.5±2.2, 55.22°N, 164.76°E, 0.3, h10km, 2km, mb4.0/25, Error ellipse: s-maj=7.1km s-min=4.6km az=153.0

ISC 20 20:56:22.0±1.7, 55.02°N, 164.85°E, 0.07, h24km, 15km, n62, r135/82, mb4.0/18, Komandorsky Islands region

Table for ISC stations. Columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Bering, Krutoberegovo, Semkarok, etc.

JMA 20 21:00:56.9, 0.1, 42.7N, 0.4, 142.0E, 0.4, h32km, 1km, MV3.5/40, ISHIKARI DEPRESSION

JMA Felt III J1 at ISHIKARI DEPRESSION.

IDD 20 21:00:59.1, 2.9, 42.70N, 142.04E, h59km, 31km, mb3.6/9, mbmp3.8/9, Error ellipse: s-maj=36.7km s-min=21.1km

az=84.0 NEIC 20 21:00:59.0, 1.5, 42.70N, 0.4, 142.07E, 0.07, h56km, 9km, mb4.1/14, Error ellipse: s-maj=8.9km s-min=3.7km

az=50.0 ISC 20 21:00:56.5, 0.8, 42.70N, 0.03, 141.98E, 0.03, h33km, 4km, 148, h104/56, mb4.0/17, 6D, Hokkaido region

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

KRSC 20 21:08:13.2, 1.6, 54.79N, 164.52E, h48km, 31km, MI4.2, Komandorskiy Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists seismic stations in the Komandorskiy Islands region.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists seismic stations including Russkaya, Mutnovka, Gorchy, Pauphetka.

IDD 20 21:12:27.3, 0.6, 5.43N, 95.51E, h0km, mb4.1/18, mbmp4.1/20, ML4.0/2, Error ellipse: s-maj=25.2km

s-min=11.5km az=51.0 DJA 20 21:12:30.6, 0.4, 6.14N, 9.6E, h10km, M4.8/10, mb4.7/5, mB5.3/2, MLV4.8/10, Mw(mb)4.7/2

NEIC 20 21:12:33.8, 2.0, 5.51N, 0.07, 95.78E, 0.07, h42km, 9km, mb4.4/34, Error ellipse: s-maj=12.4km s-min=7.2km

az=50.0 ISC 20 21:12:33.2, 0.4, 5.51N, 0.04, 95.66E, 0.04, h35km, n126, c173/124, mb4.4/39, 1C-1D, Northern Sumatara

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists seismic stations across various regions including Banda Aceh, Lhok Sumawe, Meulaboh, and others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists seismic stations including Yeheng, Lanzhou, Gaotai, HongShan, Hu-hao-te, Urumqi, Mantan Dam, Karamyk, Gar, Chuyangaron, Simjan, Batken, Makanchi Array, Songino Array, Korea Array, Waramunga Arr, Kurbatov Arr, Alice Springs, Warramunga Arr, Zalesovo Beam, Zalesovo Array, Mitsune, Mound Isa, Mountnada, Ar Rayn, Borovoye Array, Akbulak array, Hatlet, Stephens Creek, Khabarovsk, Cobar Meteorol, Crozet Islands, Crozet Islands, Crozet Islands, Crozet Islands, Keskin Array, Malin Array, FINESS Array, ARCES Array, Geres Array, Shillong, Kota Kinabalu, Kota Kinabalu, Kota Kinabalu, ZIRO, Tawang, Kaadhehdho, Lhasa, Toitait, Diego Garcia, Diego Garcia, Diego Garcia, Maumere, Suanglung, Suanglung, Xi'an, Xi'an, Xi'an, Nanchiao.

IDD 20 21:15:26.2, 1.4, 16.17S, 168.00E, h0km, mb3.8/4, mbmp3.8/5, ML3.8/1, Error ellipse: s-maj=54.4km

s-min=25.2km az=125.0, Vanuatu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists seismic stations in the Vanuatu Islands region.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like KRER, Koryaksii, Ugluovaya, Avacha, Koryaka, Dalny, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like JGF Kuroka, C27K Jago River, D27M Malcolm River, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like YAK Yakutsk, M17K Holitna River, J18K Innoke, etc.

20d 21h

Code	Station Name	Lat	Lon	Alt	Phase ID	Time Res	ISC	h	m	s	ISC
INK	INUK	30.88	40	0.0	P	pmax	22	00	10.2	0.0	
H31M	Peel River	30.89	45	0.0	P	IAmb	22	00	10.4	0.0	
M31M	Drury Creek, Y	31.64	52	0.0	P	IAmb	22	00	17.1	+0.1	
M31M					P	IAmb	22	00	18.9		
WHY	Whitehorse	31.84	54	0.0	P	IAmb	22	00	19.1	+0.2	
FARO	Faro, Yukon	32.10	51	0.0	P	P	22	00	19.9	-1.1	
P33M	Teslin, Yukon	32.95	55	0.0	P	P	22	00	28.9	+0.3	
P33M					P	IAmb	22	00	58.4		
Q32M	Nakina River	33.65	57	0.0	P	P	22	00	35.4	+0.6	
C36M	Paultuk	34.11	37	0.0	P	IAmb	22	00	38.3	-0.1	
C36M					P	IAmb	22	00	00.6		
R33M	Jennings River	34.11	56	0.0	P	P	22	00	39.5	+0.7	
DLCB	Dease Lake	34.93	57	0.0	T	T	22	00	47.0	+1.2	
H11N2	WAKE ISLAND Hy	35.12	176	0.0	T	T	22	00	21.5		
H11N3	WAKE ISLAND Hy	35.13	176	0.0	T	T	22	00	17.4		
H11N1	WAKE ISLAND Hy	35.14	176	0.0	T	T	22	00	28.3		
H11N1	WAKE ISLAND Hy	35.15	176	0.0	T	T	22	00	50.9	+1.0	
T35M	Bob Quinn	35.41	59	0.0	P	IAmb	22	01	15.4		
T35M					P	IAmb	22	01	15.4		
SONM	Songino Array	35.99	283	0.0	P	P	22	00	56.0	+0.9	
SONM	Songino Array	35.99	283	0.0	P	P	22	00	54.2	-0.8	
YKA	Yellowknife Ar	40.11	45	0.0	P	P	22	01	29.5	+0.1	
RES	Resolute Bay	40.70	24	0.0	P	P	22	01	34.4	+0.2	
RES	Resolute Bay	40.70	24	0.0	P	P	22	01	34.4	+0.2	
JOHN	Johnston Island	43.01	142	0.0	P	P	22	01	56.1	+2.5	
SPITS	Spitsbergen Ar	45.79	351	0.0	P	P	22	02	15.6	-0.7	
SPITS	Spitsbergen Ar	45.79	351	0.0	P	P	22	02	14.6	-0.7	
KURK	Kurchatov	48.95	303	0.0	P	IAmb	22	02	39.7	-0.5	
KURK	Kurchatov	48.95	303	0.0	P	IAmb	22	02	40.7	-0.5	
DALK	Dalny	48.95	303	0.0	P	P	22	02	39.7	-0.5	
KURK	Kurchatov	48.95	303	0.0	P	P	22	02	39.7	-0.5	
KURB	Kurchatov Arra	49.06	303	0.0	P	P	22	02	40.6	-0.4	
MAK31	Makanchi Array	49.67	297	0.0	P	P	22	02	45.3	-0.5	
MK31	Makanchi Array	49.67	297	0.0	P	P	22	02	45.3	-0.5	
MKAR	Makanchi Array	49.67	297	0.0	P	P	22	02	45.5	-0.4	
MKAR	Makanchi Array	49.67	297	0.0	P	P	22	02	45.1	-0.7	
MAKZ	Makanchi	49.83	297	0.0	P	IAmb	22	02	46.4	-0.5	
MAKZ	Makanchi	49.83	297	0.0	P	IAmb	22	02	46.4	-0.5	
MAKZ	Makanchi	49.83	297	0.0	P	pmax	22	02	46.4	-0.5	
BVAR	Borovoye Arra	51.27	309	0.0	P	P	22	02	57.6	-0.2	
KEV	Kevo	51.92	343	0.0	P	P	22	03	03.1	+0.7	
KEV	Kevo	51.92	343	0.0	P	P	22	03	03.1	+0.7	
NVAR	Mina Array Bea	52.76	74	0.0	P	P	22	03	09.0	-0.3	
ARTI	Arti	53.90	319	0.0	P	IAmb	22	03	17.3	+0.1	
ARTI	Arti	53.90	319	0.0	P	IAmb	22	03	18.0		
ARTI	Arti	53.90	319	0.0	P	pmax	22	03	17.3	+0.1	
PDAR	Pinedale Array	54.43	65	0.0	P	P	22	03	21.5	-0.1	
ISA	Isabella, Lake	54.64	77	0.0	P	P	22	03	23.9	+1.0	
ISA	Isabella, Lake	54.64	77	0.0	P	P	22	03	23.9	+1.0	
DAV	Davao City (W)	56.87	228	0.0	LR	LR	22	07	16.1		
ABKAR	Abkulak array	56.56	312	0.0	P	IAmb	22	03	50.6	0.0	
FINES	FINES Array B	59.47	338	0.0	P	P	22	03	56.2	-0.4	
PHRA	Phrae	60.26	360	0.0	P	P	22	04	03.0	+0.3	
BTK	Batken	60.33	298	0.0	P	IAmb	22	04	02.9	-0.1	
BTK	Batken	60.33	298	0.0	P	pmax	22	04	02.9	-0.1	
CHTO	Chiang Mai	60.74	261	0.0	P	P	22	04	07.0	+1.0	
CHTO	Chiang Mai	60.74	261	0.0	P	P	22	04	07.0	+1.0	
CMAR	Chiang Mai Arr	61.03	261	0.0	P	P	22	04	08.9	+1.0	
NC204	NORSAR Array S	62.35	346	0.0	P	P	22	04	16.4	+0.1	
NB2	NORSAR Array B	62.51	346	0.0	P	P	22	04	17.0	-0.4	
NOA	NORSAR Array B	62.51	346	0.0	P	P	22	04	16.6	-0.7	
HFS	Hagfors	63.00	344	0.0	P	P	22	04	19.9	-0.7	
NIL	Nilore	63.89	292	0.0	P	P	22	04	27.0	0.0	
NIL	Nilore	63.89	292	0.0	P	pmax	22	04	27.0	0.0	
TXAR	Lajitas Array	67.61	71	0.0	P	P	22	04	51.3	+0.2	
AKASG	Malin Array Be	68.36	331	0.0	P	P	22	04	54.4	-0.9	
EKA	Eskdalemuir Ar	69.70	352	0.0	P	P	22	05	03.4	-0.1	
KBZ	Khabaz	69.95	319	0.0	P	P	22	05	06.1	+0.8	
BRTR	Keskin Array B	76.82	323	0.0	P	P	22	05	46.2	+0.2	
WRA	Warramunga Arr	78.82	209	0.0	P	P	22	05	56.6	-0.5	
ASAR	Alice Springs	82.48	208	0.0	P	P	22	06	16.9	+0.3	
ESDC	Sonsecsa Array	85.31	351	0.0	P	P	22	06	31.6	+0.5	
QSPA	South Pole Qui	144.61	80	0.0	PKP	PKPab	22	13	26.7	-1.4	

ISC 20 21:56:43.8,0.8,54:85N-164:49E, h0km, mb4.1/24, mbmp3.8/7, ML2.8/1, MS3.2/1, Error ellipse: s-maj=17.1km s-min=12.5km az=150.0
 KRSC 20 21:56:40.2,1.7,54:68N-164:53E, h47km, mb30km, M4.3

2018 DEC

Code	Station Name	Lat	Lon	Alt	Phase ID	Time Res	ISC	h	m	s	ISC
BKI	Bering	0.97	67	0.0	Op	Sb	21	57	11.0	-3.6	
KBTR	Krutoberegovo	1.65	327	0.0	eP	Pn	21	57	09.3	-2.1	
KBTR	Krutoberegovo	1.65	327	0.0	PN	Pn	21	57	09.2	-2.1	
SMKR	Semkarok	2.42	318	0.0	eS	Sb	21	57	22.5	+0.5	
SMKR	Semkarok	2.42	318	0.0	eS	Sb	21	57	53.1	-3.5	
SMKR	Semkarok	2.42	318	0.0	PN	Sb	21	57	54.4	+1.6	
SMKR	Semkarok	2.42	318	0.0	S	Sb	21	57	53.0	-3.5	
CIRR	Tsirik	2.45	303	0.0	eS	Sn	21	57	53.8	+2.0	
BZMR	Bezmyannaya	2.50	298	0.0	eP	Pn	21	57	24.3	+1.1	
BZMR	Bezmyannaya	2.50	298	0.0	PN	Pn	21	57	24.2	+1.1	
TUMR	Tumrok	2.50	282	0.0	eS	Sn	21	57	23.8	+0.6	
TUMR	Tumrok	2.50	282	0.0	eS	Sn	21	57	54.4	+1.6	
TUMR	Tumrok	2.50	282	0.0	PN	Sn	21	57	23.8	+0.6	
TUMR	Tumrok	2.50	282	0.0	S	Sn	21	57	54.4	+1.6	
KMNR	Kamenistaya	2.57	293	0.0	eP	Pn	21	57	25.1	+1.1	
KMNR	Kamenistaya	2.57	293	0.0	PN	Pn	21	57	25.1	+1.1	
KIRR	Kirishev	2.58	297	0.0	eS	Sn	21	57	25.2	+0.8	
KIRR	Kirishev	2.58	297	0.0	eS	Sn	21	57	26.0	+0.2	
KIRR	Kirishev	2.58	297	0.0	PN	Sb	21	57	25.1	+0.8	
KIRR	Kirishev	2.58	297	0.0	S	Sb	21	57	58.2	-3.0	
KLY	Klyuchi	2.60	306	0.0	eP	Sn	21	57	23.7	-0.7	
KLY	Klyuchi	2.60	306	0.0	eS	Sn	21	57	54.9	-0.2	
KLY	Klyuchi	2.60	306	0.0	PN	Sn	21	57	54.9	-0.2	
KOZ	Kozyrevsk	2.87	297	0.0	eP	Pn	21	57	29.7	+1.5	
KOZ	Kozyrevsk	2.87	297	0.0	PN	Pn	21	57	29.6	+1.5	
SPN	Mys Shipunski	3.13	238	0.0	eS	Sn	21	58	04.3	-3.8	
NLC	Naitychevo	3.43	243	0.0	eP	Sn	21	58	12.8	-2.7	
ESO	Esso	3.44	291	0.0	eP	Sn	21	57	36.0	-3.0	
ESO	Esso	3.44	291	0.0	eS	Sn	21	58	16.3	+0.3	
ESO	Esso	3.44	291	0.0	PN	Sn	21	57	35.9	-0.1	
ESO	Esso	3.44	291	0.0	S	Sn	21	58	16.2	+0.3	
KRER	Koryakskii	3.68	248	0.0	eP	Pn	21	57	39.8	+0.3	
KRER	Koryakskii	3.68	248	0.0	PN	Pn	21	57	39.7	+0.3	
UGLE	Uglovaya	3.86	246	0.0	eS	Sn	21	58	20.1	+1.4	
AVH	Avacha	3.70	247	0.0	eS	Sn	21	58	21.2	-1.2	
KRX	Arik	3.71	249	0.0	eP	Pn	21	57	39.8	+0.1	
KRX	Arik	3.71	249	0.0	PN	Pn	21	57	39.8	+0.1	
KOK	Koryaka	3.74	248	0.0	eP	Pn	21	57	40.6	+0.4	
KOK	Koryaka	3.74	248	0.0	eP	Pn	21	57	40.6	+0.4	
KOK	Koryaka	3.74	248	0.0	PN	Sn	21	57	40.6	+0.4	
KOK	Koryaka	3.74</									

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include KURSB, MKAR, TXAR, ASAR, ESDC, GSPA.

NOU 20 21:58:40.0, 16:06'S; 168:40E, h0km, MLv4.6/12, Vanuatu Islands

IDC 20 21:58:41.6:0.8, 16:15S; 168:03E, h0km, mb4.3/17, mbmtmp4.3/18, ML4.4/1, MS4.2/30, Error ellipse: s-maj=24.6km s-min=17.1km az=137.0

NEIC 20 21:58:44.8:1.9, 16:16'S; 0:06:167:87E:0:06, h10km, 1km, mb4.2/30, Error ellipse: s-maj=11.5km s-min=8.5km az=235.0

ISC 20 21:58:44.2:0.5, 16:22S; 0:06:167:96E:0:07, h10km, n98, a=1117.6, mb4.6/37, MS4.3/27, Vanuatu Islands

Main table for station 1299, listing codes, station names, coordinates, phases, and times. Includes stations like SARAU, DEVILS, KOUANG, etc.

Main table for station 2018 DEC, listing codes, station names, coordinates, phases, and times. Includes stations like G19K, I02E, L04D, etc.

Main table for station 20d 22h, listing codes, station names, coordinates, phases, and times. Includes stations like BKI, Bering, KBTB, etc.

20d 22h

Table with columns: ID, Name, Date, Time, and various status indicators. Rows include J16K, I17K, D17K, L16K, G17K, F17K, RDOG, M16K, C17K, H17K, N16K, J17K, L17K, K17K, E18K, F18K, CHGN, M17K, H18K, C18K, G18K, JTM, N17K, B18K, O17K, L18K, J18K, P17K, F19K, G19K, N18K, C19K, A19K, M18K, H19K, J19K, E19K, D19K, P18K, P18K, L19K, ACHA, Q18K, F20K, H20K, O19K, I20K, D20K, E20K, K20K, J20K, TIXI, TIXI, B20K, IMAR, ILSW, G21K, F21K, H21K, C21K, CHUM, CAST, B21K, I21K, Q20K, KDAK, F22K, A22K, BPAW, E22K, E22K, SUA, B22K, TRF, COLD, G23K, D23K, I23K, I23K, NEA2.

2018 DEC

Table with columns: ID, Name, Date, Time, and various status indicators. Rows include MCK, E23K, C23K, TOLK, TOLK, WAT1, KNK, SML, E24K, COLA, COLA, COLA, PWL, H24K, D24K, F24K, F24K, POKR, C24K, G24K, SCM, HDA, MJB9, MAJO, MAJO, MAJO, MJAR, IL31, IL31, ILAR, G25K, M24K, M24K, K24K, D25K, D25K, F25K, J25K, E25K, E25K, PAX, BMAR, C26K, F26K, G26K, SCRK, J26L, C27K, G27K, E27K, I27K, H27K, L27K, BCAR, D27M, D27M, M27K, EGAK, EGAK, F28M, I28M, E28M, YUK3, D28M, DAWY, H29M, E29M, G29M, M29M, L29M, YUK4, K29M, G30M, YUK6, F30M, I30M, J30M, KSRS, KSAR, KSAR, HYT, INK, F31M, M31M.

1300

Table with columns: ID, Name, Date, Time, and various status indicators. Rows include WHY, R33M, C36M, S34M, H11N2, H11N3, H11N1, ULN, ULN, NRIK, NRIK, NRIK, SONM, SONM, TOAD, HHC, HHC, HHC, HNS, HNS, NJ2, NJ2, YKA, YKA, YKA, YKA, XAN, ZALV, ZALV, ZALV, ZALV, YULB, LZH, LZH, LZH, GTA, GTA, GTA, SPITS, CD2, CD2, WMQ, WMQ, KURK, KURK, KURK, KURK, KURB, KURB, OVMT, MK31, MK31, MKAR, MKAR, MKAR, MKAR, MAKZ, MAKZ, MAKZ, LYMT, GOMU, GOMU, GOMU, GOMU, BVAR, BRVK, BRVK, BRVK, ARCES, ARCES, NVAR, NVAR, ELK, ELK, ELK, SVE, SVE, PZH, PZH, PZH, ILULI, ILULI, ILULI, KMI, KMI, ARTI, ARTI, ARTI, ARTI, ARTI, ARTI, R11B, PD31, PDAR, PDAR, KIRV, ULM, GSC, GSC, GSC.

20d 22h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like NMLH, NSIT, NSST, Emei, Liob, TOCB, etc.

2018 DEC

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like TPUB, WTP, WLP, Lidau, Yijhu, etc.

1302

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like BMRM, IL31, ILAR, Eielson Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like H1N12 WAKE ISLAND Hy 35.14 176 T, H1N13 WAKE ISLAND Hy 35.16 176 T, etc.

IDC 20 22:39:37.3.2.0.55:20N:164.61E, h0km, mb3.4/5, mbmp3.3/6, ML2.3/1, Error ellipse: s-maj=69.3km s-min=23.2km az=166.0

KRSC 20 22:39:38.0.0.4.54:87N:164.77E, h50km, 18km, M1.4, ISC 20 22:39:40.4.1.0.55:2N:0.162:65E:0.06, h27km, n15, s1546/13, mb3.4/3, Komandorski Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BKI Bering, TUMR Tumrok, KRER Koryakskii, etc.

KRSC 20 22:40:19.5.0.8.55:07N:164.67E, h40km, 28km, M13.9 IDC 20 22:40:26.1.2.55:09N:163.29E, h0km, mb3.4/3, mbmp3.3/4, ML2.4/1, Error ellipse: s-maj=62.6km s-min=26.3km az=149.0

ISC 20 22:40:21.4.1.0.55:2N:0.1:164:75E:0.06, h27km, n14, s174/15, mb3.4/3, Komandorski Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BKI Bering, BKTR Krutoberegovo, SMAR Somma, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PETK, MTRV Mutnovka, ILAR Eielson Array, etc.

IDC 20 22:48:09.5.1.7.54:89N:164.72E, h0km, mb3.3/4, mbmp3.3/5, ML2.8/1, Error ellipse: s-maj=63.0km s-min=24.7km az=168.0

KRSC 20 22:48:10.6.1.1.54:78N:164.41E, h40km, 27km, M1.4, ISC 20 22:48:11.0.1.8.54:88N:0.06:164:64E:0.07, h12km, 14km, n31, s1552/46, mb3.4/4, Komandorski Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BKI Bering, BKTR Krutoberegovo, BZP Bezmyanniy-Pe, etc.

IDC 20 22:53:03.0.1.8.6:34S:124.61E, h0km, mb3.4/1, mbmp3.7/5, ML3.7/4, Error ellipse: s-maj=74.6km s-min=25.3km az=71.0, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BATI Baumata, FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

IDC 20 23:04:05.7.0.8.14:99N:93.96W, h0km, mb3.9/18, mbmp4.0/20, ML3.9/3, MS3.5/2, Error ellipse: s-maj=28.4km s-min=13.9km az=60.0

MEX 20 23:04:09.6.0.6.14:96N:94.32W, h17km, 12km, MD4.2, NEIC 20 23:04:11.8.1.9.15:09N:0.07:94:26W:0.04, h35km, 10km, mb4.3/42, Md4.2/51 (MEX), Error ellipse: s-maj=9.7km s-min=5.4km az=190.0

CATAC 20 23:04:15.7.0.7.14:95N:93.83W, h10km, MB5.4, mb5.3, ML4.7

GCG 20 23:04:43.7.0.3.14:60N:91.76W, h29km, 3km, MD4.4, ISC 20 23:04:09.2.1.9.15:00N:0.04:94:28W:0.03, h25km, 14km, n137, s1485/185, mb4.2/25, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BATI Baumata, FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like UXUV, UUVU, CCIG Comitan, etc.

IDC 20 23:04:09.2.1.9.15:00N:0.04:94:28W:0.03, h25km, 14km, n137, s1485/185, mb4.2/25, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HUEH Huehuetenango, PEIG Puerto Escondi, etc.

IDC 20 23:04:10.2.1.9.15:00N:0.04:94:28W:0.03, h25km, 14km, n137, s1485/185, mb4.2/25, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JAYA, SCIG Sabancuy, etc.

IDC 20 23:04:11.8.1.9.15:09N:0.07:94:26W:0.04, h35km, 10km, mb4.3/42, Md4.2/51 (MEX), Error ellipse: s-maj=9.7km s-min=5.4km az=190.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CRIN, TEIG Tepich, etc.

IDC 20 23:04:15.7.0.7.14:95N:93.83W, h10km, MB5.4, mb5.3, ML4.7

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JAYS Jarrell, CRIG Cruz Grande, etc.

IDC 20 23:04:15.7.0.7.14:95N:93.83W, h10km, MB5.4, mb5.3, ML4.7

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like OZNA, ALWQ Weatherford, etc.

IDC 20 23:04:15.7.0.7.14:95N:93.83W, h10km, MB5.4, mb5.3, ML4.7

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PLPT, ABTX Abilene, etc.

1305

Table with columns: APMT, Aspermont, 19.00 345, P, P, 23 08 29.3 +0.2, etc.

TAP 20 23:12:54.6, 24:00N:122:25E, h28km, ML3.3, C
JMA 20 23:12:54.2, 0.1, 24:0N:0.7:122:2E:0.3, h28km, 2km,
M3.0/15, TAIWAN REGION

Table with columns: Code, Station Name, 18 AZ, Phase ID, Time, Res, etc.

2018 DEC

Table with columns: YCJ, Sn, 23 13 21.6 +0.2, etc.

ISC 20 23:13:45.9, 2.3, 55:43N:164:43E, h0km, mb3.7/5,
mb1mp3.7/6, ML2.7/1, Error ellipse: s-maj=69.0km
s-min=23.7km az=167.0

Table with columns: Code, Station Name, 18 AZ, Phase ID, Time, Res, etc.

20d 23h

Table with columns: KLY, Klyuchi, 2.44 299, eP, Pn, 23 14 27.3 +1.5, etc.

ISC 20 23:27:03.5, 2.5, 54:90N:164:89E, h0km, mb3.3/2,
mb1mp3.3/3, ML2.2/1, Error ellipse: s-maj=151.3km
s-min=32.6km az=154.0

Table with columns: Code, Station Name, 18 AZ, Phase ID, Time, Res, etc.

21d Oh

Table of astronomical observations for 21d Oh, listing station names, coordinates, and observation details.

2018 DEC

Main table of astronomical observations for 2018 DEC, listing station names, coordinates, and observation details.

1308

Table of astronomical observations for 1308, listing station names, coordinates, and observation details.

1309

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Mauna Loa, Kahuku, Honuapo, Mokuaweeweo, etc.

IDC 21 00:22:44.9, 485.0, 45.51N, 165.74E, h0km, Error ellipse: s-maj=250.0km s-min=137.5km az=8.0, Central

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KAZAKHSTAN, AKTYUBINSK, ZALESOVO, etc.

IDC 21 00:28:01.5, 0.8, 55.01N, 164.65E, h0km, mb3.9/19, mbmp3.9/20, ML2.2/1, Error ellipse: s-maj=148.0km s-min=26.4km az=152.0, Komandorsky Islands region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PETK, ILAR, TXAR, etc.

IDC 21 00:28:01.5, 0.8, 55.01N, 164.65E, h0km, mb3.9/19, mbmp3.9/20, ML2.2/1, Error ellipse: s-maj=22.5km s-min=14.6km az=161.0

NEIC 21 00:28:03.7, 1.0, 55.0N, 0.1, 164.7E, 0.1, h10km, 1km, mb4.1/39, Error ellipse: s-maj=24.2km s-min=8.8km az=191.0

KRSC 21 00:35:03.0, 0.9, 54.98N, 164.61E, h48km, 24km, ML4.1, ISC 21 00:28:05.7, 1.6, 55.05N, 0.05, 164.65E, 0.06, h26km, 12km, n94, c093/102, mb4.0/39, Komandorsky Islands region

Main table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Bering, Krutoberegovo, Semkarok, etc.

2018 DEC

Main table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Strandline Lak, Kodiak Island, Anaktuvuk Pass, etc.

21d 0h

Main table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KIRIR, KLY, KLYUCHI, etc.

1311

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like Zalesovo Beam, Lanzhou, Spitsbergen Ar, etc.

2018 DEC

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like ABKAR Akbulak array, WUJAZ Wupatki, X16A Lo Mia Camp, etc.

21d 0h

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like AK01 Malin Array Si, AK20 Malin Array Si, AK18 Malin Array Si, etc.

21d Oh

Table with columns: JTS, Las Juntas de, 93.13 67 P, P, 00 48 18.1 -0.2, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc.

Table with columns: I23K, Minto, Yukon-K, 24.74 47 P, P, 00 41 05.7 +0.4, etc.

Table with columns: I23K, Minto, Yukon-K, 24.74 47 P, P, 00 41 05.7 +0.4, etc.

Table with columns: I23K, Minto, Yukon-K, 24.74 47 P, P, 00 41 05.7 +0.4, etc.

Table with columns: I23K, Minto, Yukon-K, 24.74 47 P, P, 00 41 05.7 +0.4, etc.

Table with columns: I23K, Minto, Yukon-K, 24.74 47 P, P, 00 41 05.7 +0.4, etc.

Table with columns: I23K, Minto, Yukon-K, 24.74 47 P, P, 00 41 05.7 +0.4, etc.

Table with columns: BVAR, Borovoye Array, 51.38 310 P, P, 00 44 47.9 -0.7, etc.

Table with columns: BVAR, Borovoye Array, 51.38 310 P, P, 00 44 47.9 -0.7, etc.

Table with columns: BVAR, Borovoye Array, 51.38 310 P, P, 00 44 47.9 -0.7, etc.

Table with columns: BVAR, Borovoye Array, 51.38 310 P, P, 00 44 47.9 -0.7, etc.

Table with columns: BVAR, Borovoye Array, 51.38 310 P, P, 00 44 47.9 -0.7, etc.

Table with columns: BVAR, Borovoye Array, 51.38 310 P, P, 00 44 47.9 -0.7, etc.

1312

1315

Table with columns: Call Sign, Frequency, Mode, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like SKAG, O30N, I28M, etc.

2018 DEC

Table with columns: Call Sign, Frequency, Mode, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like FITZ, WRA, ASAR, GUMO, etc.

21d 0h

Table with columns: Call Sign, Frequency, Mode, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like GHO, DIV, Q19K, etc.

Code Station Name Az AZZ Op Phase ID Time Res S I SC h m s I SC
BATI Baumata 6.05 244 P Pn 01 05 11.8 +0.4
BATI 32nm,0.3s,baz=96,slow=9.2,SNR=2.2 S Sn 00 56 16.5 -3.3
FITZ Fitzroy Crossi 11.01 198 P Pn 00 56 16.9 -0.3

IDC 21 01:16:39.6:0.8,46:27N:53:28E,h0km,mb3.4/4, mbmp3.5/14,ML3.3/10,MS3.1/1,Error ellipse: s-maj=18.9km s-min=6.4km az=148.0

ISC 21 01:16:42.0:0.7,46:28N:0:07:53:34E:0.05,h35km,n19, az=267/28,mb3.2/4,7C-1D,Western Kazakhstan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like AKTO Aktyubinsk, AKTO Akbulak array, AB31, AB31, AB31, BELG Belogomoye, BELG, KBZ Khabaz, KBZ, KVAR Kislovodsk Arr, KVAR, GNI Garni, GNI, ARTI Arti, ARTI, KK31 Karatay Array, KK31, BVAR Borovoye Array, BVAR, AAK Ala-Archa, AAK, AKASG Malin Array Be, AKASG, KURBB Kurchatov Arr, KURBB, ASF Jabal al Afar, ASF, MKAR Makanchi Array, MKAR, ZALV Zalesovo Beam, ZALV, FINES FINESS Array B, FINES, ESDC Sonseca Array, ESDC, TORD Torodi Ar. Bea, TORD.

NEIC 21 01:16:46.4:1.5,54:56N:0:07:16:46E:0.1,h10km,1km, mb4.3/22,Error ellipse: s-maj=12.0km s-min=10.2km az=21.0

IDC 21 01:16:47.6:0.8,55:11N:164:60E,h0km,mb3.9/16, mbmp3.9/18,ML4.2/2,Error ellipse: s-maj=22.2km s-min=15.0km az=173.0

KRSC 21 01:16:47.8:1.5,54:77N:164:58E,h61km,29km,ML4.8 MOS 21 01:16:50.8:0.9,54:79N:164:47E,h64km,mb2.1,Error ellipse: s-maj=7.8km s-min=6.0km az=52.4

ISC 21 01:16:49.8:1.3,54:75N:0:04:16:47E:0.04,h38km,2km, n127,n147/147,mb4.2/30,Komandorskiy Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like BKI Bering, BKI, BKR Bering, BKR, KBTR Krutoberegovo, KBTR, KBTG Krutoberegovo, KBTG, KBG Krutoberegovo, KBG, SMKR Semkarok, SMKR, SMKR Semkarok, SMKR, BZP Bezymyanni-Pe, BZP, TUMR Tumrok, TUMR, TUMR Tumrok, TUMR, BZMR Bezymyannaya, BZMR, BZMR Bezymyanni-We, BZMR, KMNR Kamenistaya, KMNR, KMNR Kamenistaya, KMNR, KIRR Kirishev, KIRR, KIRR Kirishev, KIRR, KLY Klyuchi, KLY, KLY Klyuchi, KLY, KOZ Kozyrevsk, KOZ, KOZ Kozyrevsk, KOZ, KII Karymskiy, KII, KII Karymskiy, KII, SPN Mys Shipunski, SPN, SPN Mys Shipunski, SPN, NLC Nalytchevo, NLC, NLC Nalytchevo, NLC, ESO Esso, ESO, ESO Esso, ESO, SMAR Somma, SMAR, SMAR Somma, SMAR.

Table with columns: KRER, Koryakskii, KRER, Koryakskii, UGLR, Uglovaya, UGLR, Uglovaya, AVCH, Avacha, AVCH, Avacha, KRX, Arik, KRX, Arik, KOK, Koryaka, KOK, Koryaka, DAL, Dalny, DAL, Dalny, PET, Petropavlovsk, PET, Petropavlovsk, INSR, Institute, INSR, Institute, GNL, Ganaly, GNL, Ganaly, KRMR, Karymsinskiy, KRMR, Karymsinskiy, RUS, Russkaya, RUS, Russkaya, PEA0B, Petropavlovsk-, PEA0B, Petropavlovsk-, PETK, Petropavlovsk-, PETK, MUTV, Mutnovka, MUTV, Mutnovka, GRL, Gorelyy, GRL, Gorelyy, OSSR, Ossora, OSSR, Ossora, APC, Apacha, APC, Apacha, KDR, Khodutka, Kamc, KDR, Khodutka, Kamc, PALN, Palana, PALN, Palana, PAU, Pautzhetka, PAU, Pautzhetka, SHEM, Shemya Is, Ala, SHEM, SKR, Severo-Kuril's, SKR, Severo-Kuril's, SKR, ERM, Erimo, ERM, Erimo, N17K, Nushagak Hills, N17K, J18K, Innoko River, J18K, F19K, Shalerucik Mo, F19K, Redstone River, E19K, Tiksi, TIKI, Tiksi, TIKI, IMAR, Indian Mountain, B21K, Imkipik River, B21K, E22K, Anaktuvuk Pass, E22K, B22K, Tesheqok Lake, B22K, G23K, Bananza Creek, G23K, I23K, Minto, Yukon-K, E23K, Chandalar, E23K, C23K, Iktilik River, C23K, TOLK, Toolik Lake Re, TOLK, E24K, Your Creek, E24K, F24K, Squaw Lake, F24K, G24K, Hadweenzic River, G24K, IL31, IL31, ILAR, Eielson Array, D25K, Kavik River, D25K, D27M, Malcolm River, D27M, H11N2, WAKE ISLAND Hy 35.01 176 T, H11N3, WAKE ISLAND Hy 35.02 176 T, H11N1, WAKE ISLAND Hy 35.02 176 T, SONMI, Songino Array, H11S1, WAKE ISLAND Hy 36.21 177 T, H11S3, WAKE ISLAND Hy 36.23 177 T, H11S2, WAKE ISLAND Hy 36.23 177 T, HHC, Hu-ho-hao-te, HHC, YKA, Yellowknife Ar, LZH, Lanzhou, LZH.

Table with columns: LZH, Kurchatov, KURK, Kurchatov, KURB, Kurchatov Arr, MKAR, Makanchi Array, BVAR, Borovoye Array, NVAR, Malin Array Be, KSH, Kashi, FINES, FINESS Array B, CMAR, Chiang Mal Arr, NOA, NORPAR Array B, HFS, Hagfors, TXAR, Lajitas Array, AKASG, Malin Array Be, WRA, Warramunga Arr, WRA, Warramunga Arr, ASAR, Alice Springs, IDC 21 01:20:08.9:1.8,55:09N:164:30E,h0km,mb3.4/2, mbmp3.3/3,ML2.2/1,MS3.7/1,Error ellipse: s-maj=154.3km s-min=26.6km az=152.0, KRSC 21 01:20:09.8:1.2,54:66N:164:54E,h40km,29km,ML3.6, ISC 21 01:20:10.0:0.9,54:74N:0:07:16:47E:0.06,h10km,n25, az=171/26,Komandorskiy Islands region, BKI Bering, BKI, KBTR Krutoberegovo, KBTR, SMKR Semkarok, SMKR, TUMR Tumrok, TUMR, BZMR Bezymyannaya, BZMR, KMNR Kamenistaya, KMNR, KIRR Kirishev, KIRR, SPN Mys Shipunski, SPN, ESO Esso, ESO, SMAR Somma, SMAR, UGLR Uglovaya, UGLR, AVH Avacha, AVH, KOK Koryaka, KOK, KRMR Karymsinskiy, KRMR, PETK Petropavlovsk-, PETK, MUTV, Mutnovka, GRL Gorelyy, ILAR Eielson Array, H11N2, WAKE ISLAND Hy 35.00 176 T, H11N3, WAKE ISLAND Hy 35.01 176 T, H11N1, WAKE ISLAND Hy 35.02 176 T, FRB Frobsier Bay, FRB, TXAR Lajitas Array, IDC 21 01:20:55.3:0.9,34:24N:137:14E,h332km,8km,mb3.5/11, mbmp4.1/13,Error ellipse: s-maj=19.0km s-min=11.1km az=97.0, JMA 21 01:20:55.1:0.2,34:1N:137:14E,h347km,1km,MBV3.0/27, ENSVUNDA, NEIC 21 01:20:56.5:2.2,34:31N:0:09:137:2E:0.1,h338km,8km, mb4.0/14,Error ellipse: s-maj=17.7km s-min=11.3km az=122.0, ISC 21 01:20:56.1:0.6,34:30N:0:07:137:19E:0.07,h337km,5km, n52,n085/60,mb3.9/21,Near south coast of eastern Honshu, JAA Atsumi, JAA, JIE Ise, JIE, JSG Sagara, JSG, INU Inuyama, INU, JGF Kuroka, JGF, JYU Kouya, JYU, JYU Yamagatanai, JYU, JYTA Tanabenakehech, JYTA, JYTC, JYTC, JYNT Shimob, JYNT, JYNT Wachi, JYNT, JWT Odawara 2, JWT, JOD2, JOD2, JKG Kaga, JKG, JRY Ryogami san, JRY, JAI Aioi, JAI, MJAR Matsushiro Arr, MJAR, MAJO Matsushiro, MAJO, MAT Matsushiro, MAT, JAG Ashikaga, JAG, JMM Monobe, JMM, JMN Marumori, JMN, JNU Nakatsue, JNU, JNU Nakatsue, JNU, JTM Tenabayashi, JTM, GUMO Guam, GUMO, MKAR Makanchi Array, MKAR, NRIK Noril'sk, NRIK, COEN Coen, COEN, N17K Nushagak Hills, N17K, E19K Redstone River, E19K, KNRA Kununurra, KNRA.

21d 1h

Table of station information for the '21d 1h' section, including station IDs, names, coordinates, and various technical parameters like power and frequency.

ICD 21 01:28:50.31, 9.5521N, 164.14E, h0km, mb3.4/2, mbtmp3.3/3, ML2.2/1, MCS3.8/1, Error ellipse: s-maj=158.2km s-min=31.7km az=150.0, Komandors Islands region

Table of station information for the Komandors Islands region, listing stations like PETK and ILAR with their respective details.

ICD 21 01:30:26.51, 3.5481N, 164.53E, h0km, mb3.5/4, mdtmp3.4/5, ML2.5/1, Error ellipse: s-maj=82.1km s-min=24.5km az=143.0

Table of station information for the Komandors Islands region, listing stations like BKI, KBTR, and KGB with their respective details.

TRN 21 01:37:57.4, 15.82N, 60.75W, h25km, MD3.5, North-east of Dominica., Leeward Islands

Table of station information for the North-east of Dominica region, listing stations like DSLB and MDN with their respective details.

2018 DEC

Table of station information for the 2018 DEC section, including stations like MBFL, SLBI, and SLAC.

SJA 21 01:38:31.0, 0.6210S, 68.88W, h114km, 4km, ML4.5, MW4.5

Table of station information for the SJA region, listing stations like PB01 and PB09.

ICD 21 01:38:32.7, 0.4210S, 68.80W, 0.04, h100km, 4km, n160, e1952/183, mb4.5/26, 6C, Chile-Bolivia border region

Table of station information for the Chile-Bolivia border region, listing stations like PB08 and TA01.

ICD 21 01:38:33.7, 0.2100S, 68.82W, h109km, 4km, mb4.1/13, mdtmp4.5/17, Error ellipse: s-maj=16.1km s-min=12.0km

Table of station information for the Chile-Bolivia border region, listing stations like TA01 and TA02.

ICD 21 01:38:33.7, 0.2100S, 68.82W, h109km, 4km, mb4.1/13, mdtmp4.5/17, Error ellipse: s-maj=16.1km s-min=12.0km

Table of station information for the Chile-Bolivia border region, listing stations like GO01 and TA02.

ICD 21 01:38:33.7, 0.2100S, 68.82W, h109km, 4km, mb4.1/13, mdtmp4.5/17, Error ellipse: s-maj=16.1km s-min=12.0km

Table of station information for the Chile-Bolivia border region, listing stations like AF01 and PB15.

ICD 21 01:38:33.7, 0.2100S, 68.82W, h109km, 4km, mb4.1/13, mdtmp4.5/17, Error ellipse: s-maj=16.1km s-min=12.0km

Table of station information for the Chile-Bolivia border region, listing stations like AP01 and YJA.

ICD 21 01:38:33.7, 0.2100S, 68.82W, h109km, 4km, mb4.1/13, mdtmp4.5/17, Error ellipse: s-maj=16.1km s-min=12.0km

Table of station information for the Chile-Bolivia border region, listing stations like GO02 and AZAP.

ICD 21 01:38:33.7, 0.2100S, 68.82W, h109km, 4km, mb4.1/13, mdtmp4.5/17, Error ellipse: s-maj=16.1km s-min=12.0km

Table of station information for the Chile-Bolivia border region, listing stations like LPAZ and SLA.

ICD 21 01:38:33.7, 0.2100S, 68.82W, h109km, 4km, mb4.1/13, mdtmp4.5/17, Error ellipse: s-maj=16.1km s-min=12.0km

Table of station information for the Chile-Bolivia border region, listing stations like AC01 and GO03.

ICD 21 01:38:33.7, 0.2100S, 68.82W, h109km, 4km, mb4.1/13, mdtmp4.5/17, Error ellipse: s-maj=16.1km s-min=12.0km

1318

Table of station information for the 1318 section, including stations like PTLB, BDON, and ETMB.

CPUP comp=Z, 3.8nm, 0.7s, baz=290, slow=12, SNR=13 S Sn 01 43 28.1 +1.7

Table of station information for the CPUP region, listing stations like NNA and AOAD.

ICD 21 01:38:33.7, 0.2100S, 68.82W, h109km, 4km, mb4.1/13, mdtmp4.5/17, Error ellipse: s-maj=16.1km s-min=12.0km

Table of station information for the CPUP region, listing stations like AOAD and AQB.

ICD 21 01:38:33.7, 0.2100S, 68.82W, h109km, 4km, mb4.1/13, mdtmp4.5/17, Error ellipse: s-maj=16.1km s-min=12.0km

Table of station information for the CPUP region, listing stations like G006 and BB19B.

ICD 21 01:38:33.7, 0.2100S, 68.82W, h109km, 4km, mb4.1/13, mdtmp4.5/17, Error ellipse: s-maj=16.1km s-min=12.0km

Table of station information for the CPUP region, listing stations like PLCA and LRO5.

ICD 21 01:38:33.7, 0.2100S, 68.82W, h109km, 4km, mb4.1/13, mdtmp4.5/17, Error ellipse: s-maj=16.1km s-min=12.0km

Table of station information for the CPUP region, listing stations like ITTB and COHC.

ICD 21 01:38:33.7, 0.2100S, 68.82W, h109km, 4km, mb4.1/13, mdtmp4.5/17, Error ellipse: s-maj=16.1km s-min=12.0km

Table of station information for the CPUP region, listing stations like AR01 and PRPB.

ICD 21 01:38:33.7, 0.2100S, 68.82W, h109km, 4km, mb4.1/13, mdtmp4.5/17, Error ellipse: s-maj=16.1km s-min=12.0km

Table of station information for the CPUP region, listing stations like BOAV and BOAV.

ICD 21 01:38:33.7, 0.2100S, 68.82W, h109km, 4km, mb4.1/13, mdtmp4.5/17, Error ellipse: s-maj=16.1km s-min=12.0km

Table of station information for the CPUP region, listing stations like VNA3 and VNA2.

ICD 21 01:38:33.7, 0.2100S, 68.82W, h109km, 4km, mb4.1/13, mdtmp4.5/17, Error ellipse: s-maj=16.1km s-min=12.0km

Table of station information for the CPUP region, listing stations like MNHN and MNHN.

ICD 21 01:38:33.7, 0.2100S, 68.82W, h109km, 4km, mb4.1/13, mdtmp4.5/17, Error ellipse: s-maj=16.1km s-min=12.0km

Table of station information for the CPUP region, listing stations like VHRN and VHRN.

ICD 21 01:38:33.7, 0.2100S, 68.82W, h109km, 4km, mb4.1/13, mdtmp4.5/17, Error ellipse: s-maj=16.1km s-min=12.0km

Table of station information for the CPUP region, listing stations like GQSA and GQSA.

ICD 21 01:38:33.7, 0.2100S, 68.82W, h109km, 4km, mb4.1/13, mdtmp4.5/17, Error ellipse: s-maj=16.1km s-min=12.0km

Table of station information for the CPUP region, listing stations like PDAR and PDAR.

ICD 21 01:38:33.7, 0.2100S, 68.82W, h109km, 4km, mb4.1/13, mdtmp4.5/17, Error ellipse: s-maj=16.1km s-min=12.0km

Table of station information for the CPUP region, listing stations like ULM and ULM.

ICD 21 01:38:33.7, 0.2100S, 68.82W, h109km, 4km, mb4.1/13, mdtmp4.5/17, Error ellipse: s-maj=16.1km s-min=12.0km

Table of station information for the CPUP region, listing stations like NVAR and NVAR.

ICD 21 01:38:33.7, 0.2100S, 68.82W, h109km, 4km, mb4.1/13, mdtmp4.5/17, Error ellipse: s-maj=16.1km s-min=12.0km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like ZALV Zalesovo Beam, KSH Kashi, MKAR Makanchi Array, etc.

IDC 21 01:39:18.5:3.1, 54.65N:165.19E, h0km, mb3.3/4, mbtmp3.3/5, ML2.7/1, Error ellipse: s-maj=95.3km s-min=21.6km az=161.0

KRSC 21 01:39:20.1:1.1, 55.30N:164.67E, h43km, mb3.6, mbtmp4.4/3, ML2.5/1, Error ellipse: s-maj=100.7km s-min=29.0km az=160.0

ISC 21 01:39:24.5:0.9, 55.22N:0.1x164.84E:0.05, h34km, n22, r156.2, mb3.2/4, Komandorski Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like BKI Bering, KBTB Krutoberegovo, KIRR Kirishev, etc.

CNRM 21 01:42:32.7, 33.97N:8.62W, h47km, ML2.8, IGL1 21 01:42:33.8, 33.92N:8.61W, h27km, ML2.0

SFS 21 01:42:33.8, 33.97N:8.66W, h23km, ML3.4/8, ML3.4/8, ML3.0/5

MDD 21 01:42:33.0:1.0, 33.98N:8.55W, h15km, 7km, Mb3.3/5, M, mb2.5/6, Error ellipse: s-maj=8.4km s-min=4.0km az=69.0

INMG 21 01:42:34.7:1.6, 33.92N:8.61W, h27km, 17km, ML2.0, Error ellipse: s-maj=12.4km s-min=7.0km az=63.0

ISC 21 01:42:30.1:1.0, 33.99N:0.03:8.56W:0.05, h10km, n50, r171/78, 5C, Morocco

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like AVE Averroes, ZHG ZHG, EAH EAH, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like PBAR Barrancos, ZGR Zagora, ECAB El Cabril, etc.

EADA Adamuz 5.27 37 Pn Pn 01 43 50.3 +1.3

EADA comp=N,32nm,SNR=9.8

IDC 21 01:43:41.3:3.5, 54.81N:164.85E, h0km, mb3.2/3, mbtmp3.2/4, ML2.5/1, Error ellipse: s-maj=100.7km s-min=29.0km az=160.0

KRSC 21 01:43:42.7:1.1, 54.88N:164.65E, h47km, 30km, ML3.7, ISC 21 01:43:45.4:2.2, 54.92N:0.06:164.72E:0.06, h31km, 20km, n24, r157/34, mb3.2/3, Komandorski Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like BKI Bering, KBTB Krutoberegovo, SMKR Semkarok, etc.

MTVR Mutnovka 4.59 241 eP Pn 01 44 52.3 -0.5

ILAR Eielson Array 25.57 48 P 01 49 11.8 +0.6

KURBB Kurchatov Arra 49.17 303 P 01 52 31.1 +1.1

MKANR Makanchi Array 49.80 297 P 01 52 36.5 +1.6

IDC 21 01:49:38.8:0.7, 55.45S:145.00W, h0km, mb4.3/6, mbtmp4.3/6, MS4.0/11, Error ellipse: s-maj=40.9km s-min=20.4km az=4.0

ISC 21 01:49:40.1:0.8, 55.45S:0.3:145.00W:0.2, h10km, n38, r055/12, mb4.4/6, MS4.0/11, Pacific-Antarctic Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like VVND Vanda, URZ Urewera, QSPA South Pole Qui, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like BDFB Brasilia, YHSA Yreka Blue Hor, YB03 ASCENSION HYDR03.73 129 T, etc.

IDC 21 01:52:02.0:2.0, 54.87N:164.55E, h0km, mb4.4/3/5, mbtmp4.4/3/5, ML4.1/4, MS3.3/10, Error ellipse: s-maj=13.3km s-min=10.6km az=153.0

KRSC 21 01:52:03.5:1.1, 54.72N:164.50E, h42km, 30km, ML4.6, NEIC 21 01:52:04.8:1.6, 54.84N:0.09:164.6E:0.1, h10km, 1km, mb4.6/73, Error ellipse: s-maj=15.0km s-min=10.5km az=166.0

MOS 21 01:52:06.1:0.9, 54.82N:164.50E, h34km, mb4.8/30, Error ellipse: s-maj=6.3km s-min=2.2km az=70.5

ISC 21 01:52:06.8:0.3, 54.78N:0.04:164.59E:0.03, h27km, n420, r122/411, mb4.6/108, MS3.5/9, 13D-3C, Komandorski Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like BKI Bering, KBTB Krutoberegovo, SMKR Semkarok, etc.

21d 1h

Table with columns for station ID, name, date, time, and various numerical data points.

2018 DEC

Table with columns for station ID, name, date, time, and various numerical data points.

1320

Table with columns for station ID, name, date, time, and various numerical data points.

Table with columns: STA, comp, Az, El, P, Max, Min, etc. Includes stations like SPITS, HATHI, WMQ, KURK, KURKB, MK31, MKAR, MKAR, MAZK, MAZK, GOMU, GYA, BVAR, BRVK, BRVK, ARCES, NVAR, PZH, PZH, KMI, ARTI, R11B, PDAR, WUS, KIRV, AAK, AAK, PFO, KSH, KSH, KKAR, KKAR, ABKAR, FINES, PHRA, CHTO, CHTO, CHTO, CMAR, BELG, ANMO, CHGR, CHGR, SIMJ, OBN, OBN, OBN, OBN, OBN, NB2, NOA, HFS, LPSR, NIL, NIL, VRRH, VSR, MNK, MNK, MNK, MNK, MNK.

Table with columns: MNK, MLR, MLR, Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KBL, KBL, KBL, WMOK, WMOK, WMOK, TXAR, TXAR, TXAR, AKASG, AKASG, AKASG, AKKB, AKKB, EKA, KBZ, KBZ, CLL, CLL, CLL, MORC, BUR08, BUR08, LANS, LANS, LANS, WRAC, WRAC, WRAC, KRUC, VYHS, VYHS, MEM, MEM, KHC, KHC, GERES, GERES, MLR, MOA, ARSA, LESA, KBA, SOKA, WATA, RETA, WTTA, MOT, SQTA, ABTA, FETA, CTA, DAVOX, BRTR, WB2, WB2, WRA, NRCA, AS31, ASAR, ESDC, RAYN, RAYN, RAYN, STKA, MDT, QSPA, RSNC 21 01:52:36.50,0.7N, 117.33W, h151km, 2.2km, M2.9, mb3.4, mB6.3, ML2.7, Mw(mB)6.0, Northern Colombia.

Table with columns: RECR, RECR, RECR, Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Villamaría, Ciudad Bolívar, Dabeiba, Santa Ana, Ariguani, Magd, Santo Domingo, Prado, Ortega, Tolima, Apartado, Choc, San Jos del P, San Jacinto, La Uribe, Meta, Los crdobas, Cerrejon, Guaj, Yotoco, Valle, San Jose del G, Macarena, Meta, Jamundi, Valle, Bahía Malaga, Uribia, Popayan, Colombia, Florencia.

Table with columns for station name, elevation, coordinates, and frequency. Includes stations like CLTN Cedars of Leba, Y2DD IRIS PASSCAL I, SDDR Presa de Saban, KAN01 Argonia South, BG3 Lake Jocassee, JSC Jenkinsville, CGM3 Cape Girardeau, TKL Tuckaleehee C, ANMO Albuquerque, TUC Tucson, CCM Cathedral Cave, BIRD Birdtown, Kers, TAZ Tazewell, USIN University of, SDV Santo Domingo, T25A Trinidad, KSU1 Kansas State U, WCI Wyandotte Cave, SFX San Felipe, BLO Blooming, S22A 4UR Ranch, S22B 4UR Ranch, MVO Mesa Verde, SSO Shawnee State, WUAZ Wupatki, Q24A Divide, HDIL Hopedale, BLYC Glymphe, YUH Yuba Desert, O48B Farmland, OGNE Ogallala, ATAH Atahualpa, PFO Pinyon Flats, N23A Red Feather La, JFWS Jewell Farm, ECSD EROS Data Cent, PCRV Puerto La Cruz, DUG Dugway, TOELE Dugway, GR11B Troy Canyon, R3AC Grapevine Rang, RSSD Black Hills, HWUT Hardware Ranch, PDAR Pinedale Array, CZSB Cruzeiro do Su, CZSB Auburn Hatcher, NV11 Mina Array Sit, ELK Elko, NVAR Miina Array Bea, NNA Nana, PMPB Monarch Peak, LOHW Long Hollow, TPAW Teton Pass, FXWY Fox Creek, RLMT Red Lodge.

Table with columns for station name, elevation, coordinates, and frequency. Includes stations like AGM2 Agassiz Nason, HLHD Halley, MFLD Camas Rang, DLMT Dillon, WVVOR Wild Horse Val, J08A Circle Bar Rang, ULM Lac du Bonnet, ULM Lac du Bonnet, BOAV Boa Vista, BMO Blue Mountains, MSO Missoula, YBH Yreka Blue Hor, ETMB Extrema, NEW Newport, SAML Samuel, SAML Samuel, SAML Samuel, FFC Flin Flon, FFC Flin Flon, LPAZ La Paz, LPAZ La Paz, LPMD Montes des, ITTB Itaituba, MAL2 Monte Alegre, VILB Vilhena, VILB Vilhena, NPGS Novo Progresso, SCHO Schefferville, PDRB Porto dos Gac, CLDB Colider, PTBL Pontes e Lacer, PTBL Pontes e Lacer, BBB Bella Bella, PRPB Parauapebas, TMB Tom-Au-PA, SALV Santo Antonio, TOAD Todd River Com, V35K Ketchikan, YKA Yellowknife Ar, FPDY Filadelfia, PANT Pantanal (Braz), KOTAN Kotanelele Air, SNDB Serra Nova Dou, CRAC Craig, WRAK Wrangell Islan, U33K Whale Pass, BDQN Bodoquena, MS DLBC Dease Lake, DLBC Dease Lake, S34M Telegraph Cree, MURT Porto Murtinho, TAOE Nuku Hiva Isla, TAOE Nuku Hiva Isla, ARAG Araguaiana, MT SMTB Santa Maria do, FRB Fishbayer Bay, R33M Jennings River, R33M Jennings River, R33M Nakina River, Q32M Nakina River, ZON Zorro, SIT Sitka, WRGLY Wrigley, WRGLY Wrigley, R32K Eaglecrest, P32M Atin, P31K Pelican, S33K Teslin, Yukon, MT08 Bocatonra, LMEJ Las Melosas, AMBA Amambai (Brazi), SKAG Skagway, N32M Quiet Lake, WHY Whitehorse, CPUP Villa Florida, CPUP Villa Florida, CPUP Villa Florida, FARO Faro, Yukon, P30M Million Dollar, BDFB Brasilia.

Table with columns for station name, elevation, coordinates, and frequency. Includes stations like BDFB Brasilia, P29M Windy Craggy, O30N Mendenhall, M31M Drury Creek, Y, N31M Braeburn, HYT Haines Junctio, O29N Mount Kennedy, N30M Aishik Lake, BI02 San Fabin de, YUK6 Outpost Mounta, SDBA SAO DESIDERIO, IPMB Ipaneri, G, PINM Pinnacle, YUK4 Talbot Arm, M30M Minto, Yukon, O28M Mount Upton, YUK8 Steele Glacier, M29N Somme Creek, IVI Ivgitug, L29M L29M, L29M L29M, CTG Chitna Glacier, YUK3 Moose Creek, K29K Barlow Dome, J30M Hart River, H31M Peel River, C36M Paulatuk, JANB Januba, BVCV Beaver Creek, PSAL Palomas, Salto, CRQE Cirque, I30M Mount Dempster, KAIM Kayak Island, MCARA McCarthy VSAT, M27K Edge Creek, AK, DAWY Dawson, G31M Satah River, G31M Satah River, BCAR Beaver Creek, AK, L27K Beaver Creek, BMRM Bremner River, F31M Tsigichechic, Q23K Middleton Isla, M26K Niama, AK, EPYK Eagle Plains, EYAK Cordova Ski Ar, N25K Chitina, Valde, G30M T'oh Zraii Nji, L26K Log Cabin Wild, INK Inuvik, INK Inuvik, H29M Whitestone, I28M Miner Creek, EGAK Eagle, F30M Rerie River, P23K Montague Islan, KLU Klutina, G29M Pine Creek, HARP HAARP, GLJ Glacier Island, PLCA Paso Flores, PLCA Paso Flores, PLCA Paso Flores, PLCA Paso Flores, SEW Sevard, BSCB Bom Sucesso, E29M Blower River, KNK Knik Glacier, K24K Donnelly Dome, F28M Old Crow, SML Sawmill, LL01 San Ignacio de, DY2G Dye2, DY2G Dye2, G27K Doyon Strip.

21d 1h

Table with columns: Station ID, Name, Frequency, Mode, Power, Date/Time, and other details. Includes stations like G27K Doyon Strip, J25K Cooper Landing, etc.

2018 DEC

Table with columns: Station ID, Name, Frequency, Mode, Power, Date/Time, and other details. Includes stations like H22K Ishalitna Cre, N18K Kilae Creek, etc.

1324

Table with columns: Station ID, Name, Frequency, Mode, Power, Date/Time, and other details. Includes stations like D19K Kuna River, G17K Kiwalki Mounta, etc.

1325

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like Magadan, Sankt Quirin, Wattenberg, Berggiesshubel, etc.

2018 DEC

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like PanZhiHua, Chiang Mai Arr, Hyderabad, Fire Island, Rabbit Creek A, etc.

21d 2h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like Norcia, Monte Fata, Monte Cavallo, Cesi - Serrava, etc.

21d 2h

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, SNR, and other parameters. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, FITZ Fitzroy Crossi, etc.

VAO 21 02:18:37.0-0.4, 24.222S:66.88W, h190km, mb4.6
NEIC 21 02:18:38.6-2.5, 24.26S:0.05-66.86W, 0.07, h188km, 7km,
mb4.4/20, Error ellipse: s-maj=11.0km s-min=4.5km
az=49.0

SJA 21 02:18:38.4-1.0, 24.26S:66.92W, h199km, 6km, ML4.5,
MV4.3

GUC 21 02:18:38.0-0.8, 24.30S:66.95W, h200km, 8km, ML4.9
IDC 21 02:18:39.9-1.9, 24.13S:66.97W, h200km, 7km, mb3.9/15,
mbtmp4.4/21, M1S3.9/2, Error ellipse: s-maj=15.6km
s-min=10.7km az=63.0

ISC 21 02:18:38.6-0.5, 24.24S:0.04-66.91W, 0.03, h195km, 5km,
n164, e1818/182, mb4.4/21, 10C-3D, Salta Province

Main table of station data for the 21d 2h period, including codes, station names, and various parameters.

2018 DEC

Main table of station data for the 2018 DEC period, including codes, station names, and various parameters.

1326

Main table of station data for the 1326 period, including codes, station names, and various parameters.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KURKB Kurchatov Arra, MK31 Makanchi Array, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HHC Hu-ho-hao-te, GTA Gaotai, XLT XLinHaoTe, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like YOJ Yonaguni jima, EOS3 EOS3, EOS4 EOS4, etc.

DJA 21 02:22:22.3±0.0, 0°N±3'×12'0E±1', h15km±7km, M4.6/14, mb4.6/4, mbM4.6/1, MLV4.6/14, Mw(m)3.8/1

IDC 21 02:22:24.9±1.5, 0°20N±0.7'×120°14E±0.08, h63km±6km, mb4.5/12, Error ellipse: s-maj=11.2km s-min=9.0km

IDC 21 02:22:56.4±0.8, 12°89'S±45°31'E, h0km, mb4.0/7, mbmp4.0/9, ML4.0/7, Error ellipse: s-maj=23.6km s-min=22.7km az=57.0

ISC 21 02:22:24.5±3.2, 0°16N±12°15E, h70km±33km, mb4.0/17, mbmp4.3/19, ML4.0/2, MS3.1/5, Error ellipse: s-maj=25.2km s-min=13.9km az=68.0

NEIC 21 02:22:58.1±1.5, 12°83'S±10°45'E±0.07, h10km±2km, mb4.2/5, Error ellipse: s-maj=17.2km s-min=10.8km az=167.0

ISC 21 02:22:57.6±0.6, 12°93'S±0°06'±45°28'E±0.07, h10km±n23, c±216/27, mb4.2/7, Northwest of Madagascar

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PCI Palu, TOL12 Tolitoli, MRSI Marisa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ABPO Ambोधpanom, ZOMB Zomba, KIBK Kibwezi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BKA Bering, KBTB Krutoberegovo, SMKR Semkarok, etc.

TAP 21 02:25:27.4±24.8N±122°93E, h69km, ML2.9, C JMA 21 02:25:27.4±0.1, 24°N±122°9E±0.6, h71km±1km, MV2.3/15, NW OFF ISHIGAKIJIIMA IS

ISC 21 02:23:27.7±1.3, 24°40N±0°06'±122°94E±0.03, h69km±7km, n69, c±78/97, Taiwan region

H1N2 WAKE ISLAND HY 35.04 176 T 03 33 10.8 H1N3 WAKE ISLAND HY 35.05 176 T 03 33 11.4 H1N1 WAKE ISLAND HY 35.06 176 T 03 33 12.6

Table with columns: SPITS, SPITSBERGEN AR, KURBB, MKAR, FINES, CMAR, NOA, TXAR, WRA, ASAR, ESDC. Includes station names, coordinates, and various parameters.

SJA 21 02:48:21.2, 0.8, 17.96S:69.54W, h160km, 6km, M/L3.5, MW3.5
GUC 21 02:48:23.0, 0.8, 17.98S:69.43W, h147km, 9km, M/L3.4
IDC 21 02:48:26.2, 1.1, 17.94S:68.98W, h153km, 37km, mb3.5/3, mbtmp3.9/3, Error ellipse: s-maj=74.1km s-min=37.6km az=26.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists various stations and their coordinates.

IDC 21 03:04:25.0, 1.9, 54.89N:164.48E, h0km, mb3.5/6, mbtmp3.4/7, M/L2.3/1, Error ellipse: s-maj=64.8km s-min=31.7km az=167.0
ISC 21 03:04:28.6, 1.4, 54.88N:164.4E:0.2, h27km, n10, o=57/8, mb3.6/6, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists various stations and their coordinates.

IDC 21 03:10:36.5, 1.6, 54.82N:164.54E, h0km, mb3.8/4, mbtmp3.8/4, M/L2.2/1, MS3.5/3, Error ellipse: s-maj=83.5km s-min=23.9km az=154.0, Komandorsky

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists various stations and their coordinates.

KRSC 21 03:11:48.7, 1.3, 54.71N:164.48E, h44km, 31km, M/L4.8
IDC 21 03:11:48.4, 0.4, 54.86N:164.42E, h0km, mb4.4/40, mbtmp4.4/42, M/L3.8/2, MS3.6/6, Error ellipse: s-maj=13.5km s-min=6.7km az=158.0
NEIC 21 03:11:50.4, 1.1, 54.9N:0.1, 164.4E:0.2, h10km, 1km, mb4.8/135, Error ellipse: s-maj=22.7km s-min=14.2km az=151.0
MOS 21 03:11:51.3, 0.9, 54.82N:164.46E, h33km, mb4.8/33, Error ellipse: s-maj=6.0km s-min=4.8km az=76.9
ISC 21 03:11:49.8, 0.3, 54.82N:164.43E:0.03, h10km, n566, o=599/543, mb4.7/149, MS4.0/9, 25C-5D, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists various stations and their coordinates.

Table with columns: F14K, ANM, M13K, J14K, L14K, FALS, G15K, F15K, M14K, N14K, S12K, L15K, O14K, K15K, H16K, M15K, G16K, C16K, N15K, J16K, H17K, O15K, D17K, L16K, G17K, F17K, RDOG, M16K, C17K, H17K, TEY, N16K, S14K, J17K, L17K, K17K, O16K, E18K, P16K, F18K, CHGN, M17K, M17K, H18K, C18K, G18K, N17K, B18K, O17K, L18K, L18K, J18K, J18K, Q16K, GCSA, P17K, F19K, F19K, G19K, G19K, C19K, A19K, N18K, N18K, M18K, H19K, H19K, Q17K, J19K, E19K, E19K, D19K, O18K, O18K, P18K, L19K, L19K, ACHA, Q18K, N19K, N19K, F20K, F20K, H20K, O19K, I20K, D20K, E20K. Lists various stations and their coordinates.

1329

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like K20K Telida, J20K Nowinta River, L20K Farewell, AK, etc.

2018 DEC

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like MJB9 Matsu-Tunnel, MAJO Matsushiro, MAJO Matsushiro, etc.

21d 3h

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like N30M Aishikik Lake, G31M Satah River, G31M Satah River, etc.

Table with columns: YKA, RES, KURBB, MKAR, NVAR, PDAR, ABKAR, FINES, CMAR, NB2, NOA, HFS, TXAR, AKASG, EKA, WRA, ASAR, ESDC, QSPA. Includes station names, coordinates, and status.

IDC 21 03:29:18.3±1.9, 54.69N; 164.71E, h0km, mb3.6/4, mbtmp3.5/5, ML2.2/1, Error ellipse: s-maj=55.0km s-min=23.0km az=168.0

KRSC 21 03:29:19.1±0.5, 54.74N; 164.68E, h47km, mb3.6, ISC 21 03:29:23.1±1.0, 54.82N; 164.72E, h35km, n18, r19123, mb3.4/4, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res. Lists stations like Bering, Krutoberegovo, Somma, etc.

IDC 21 03:33:57.1±1.4, 54.44S; 152.13E, h0km, mb4.0/10, mbtmp4.0/11, ML2.5/1, MS3.5/4, Error ellipse: s-maj=53.1km s-min=18.7km az=124.0

NEIC 21 03:34:00.9±2.2, 5.65S; 0.1±152.1E, h10km, 2km, mb4.4/10, Error ellipse: s-maj=31.9km s-min=5.2km az=141.0

ISC 21 03:34:03.9±0.7, 5.55S; 0.1±152.1E, h0.1, h45km, n27, r13425, mb4.1/16, MS3.8/3, New Britain region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res. Lists stations like Port Moresby, GORELY, etc.

Table with columns: NRIK, INK, BVAR, YKA, LPIG, TORD. Includes station names, coordinates, and status.

SJA 21 03:38:19.2±0.7, 20.43S; 69.15W, h118km, 6km, ML3.2, MW3.3

GUC 21 03:38:21.4±1.0, 20.45S; 69.10W, h108km, 6km, ML3.5

ISC 21 03:38:21.2±1.6, 20.49S; 0.04±69.16W, 0.06, h109km, 10km, n21, r11734, 2C-1D, Northern Chile

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res. Lists stations like IPOC, PX03, etc.

IDC 21 03:49:58.4±1.9, 4.51S; 151.79E, h0km, mb3.5/4, mbtmp3.6/5, ML2.0/1, Error ellipse: s-maj=104.4km s-min=22.2km az=124.0, New Britain region

IDC 21 03:56:57.5±2.0, 54.80N; 164.53E, h0km, mb3.4/3, mbtmp3.5/4, ML2.7/1, Error ellipse: s-maj=69.0km s-min=27.0km az=170.0

KRSC 21 03:56:58.4±1.1, 54.87N; 164.53E, h43km, 30km, ML4.1

ISC 21 03:57:00.6±0.9, 54.93N; 164.61E, h27km, n34, r13039, mb3.5/3, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res. Lists stations like Bering, Krutoberegovo, Somma, etc.

IDC 21 03:44:23.1±1.7, 55.56N; 163.87E, h0km, mb3.3/2, mbtmp3.2/3, ML2.2/1, Error ellipse: s-maj=171.9km s-min=25.5km az=147.0, Off east coast of Kamchatka Peninsula

PETK 21 03:44:23.1±1.7, 55.56N; 163.87E, h0km, mb3.3/2, mbtmp3.2/3, ML2.2/1, Error ellipse: s-maj=171.9km s-min=25.5km az=147.0, Off east coast of Kamchatka Peninsula

ISC 21 03:44:23.1±1.7, 55.56N; 163.87E, h0km, mb3.3/2, mbtmp3.2/3, ML2.2/1, Error ellipse: s-maj=171.9km s-min=25.5km az=147.0, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res. Lists stations like Petropavlovsk, ILAR, etc.

IDC 21 03:48:40.7±1.5, 54.92N; 164.69E, h0km, mb3.6/7, mbtmp3.6/8, ML2.5/1, MS2.8/2, Error ellipse: s-maj=52.8km s-min=18.2km az=164.0

KRSC 21 03:48:42.7±0.8, 54.89N; 164.65E, h47km, 24km, ML3.5

ISC 21 03:48:44.7±0.8, 55.08N; 0.07±164.55E, 0.04, h27km, n29, r15530, mb3.6/7, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res. Lists stations like Bering, Krutoberegovo, Somma, etc.

Table with columns: ILAR, KRSR, H1N2, H1N3, H1N1, KURBB, MKAR, BVAR, ARCES, TXAR. Includes station names, coordinates, and status.

IDC 21 03:49:58.4±1.9, 4.51S; 151.79E, h0km, mb3.5/4, mbtmp3.6/5, ML2.0/1, Error ellipse: s-maj=104.4km s-min=22.2km az=124.0, New Britain region

IDC 21 03:56:57.5±2.0, 54.80N; 164.53E, h0km, mb3.4/3, mbtmp3.5/4, ML2.7/1, Error ellipse: s-maj=69.0km s-min=27.0km az=170.0

KRSC 21 03:56:58.4±1.1, 54.87N; 164.53E, h43km, 30km, ML4.1

ISC 21 03:57:00.6±0.9, 54.93N; 164.61E, h27km, n34, r13039, mb3.5/3, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res. Lists stations like Bering, Krutoberegovo, Somma, etc.

IDC 21 03:44:23.1±1.7, 55.56N; 163.87E, h0km, mb3.3/2, mbtmp3.2/3, ML2.2/1, Error ellipse: s-maj=171.9km s-min=25.5km az=147.0, Off east coast of Kamchatka Peninsula

PETK 21 03:44:23.1±1.7, 55.56N; 163.87E, h0km, mb3.3/2, mbtmp3.2/3, ML2.2/1, Error ellipse: s-maj=171.9km s-min=25.5km az=147.0, Off east coast of Kamchatka Peninsula

ISC 21 03:44:23.1±1.7, 55.56N; 163.87E, h0km, mb3.3/2, mbtmp3.2/3, ML2.2/1, Error ellipse: s-maj=171.9km s-min=25.5km az=147.0, Off east coast of Kamchatka Peninsula

IDC 21 03:48:40.7±1.5, 54.92N; 164.69E, h0km, mb3.6/7, mbtmp3.6/8, ML2.5/1, MS2.8/2, Error ellipse: s-maj=52.8km s-min=18.2km az=164.0

KRSC 21 03:48:42.7±0.8, 54.89N; 164.65E, h47km, 24km, ML3.5

ISC 21 03:48:44.7±0.8, 55.08N; 0.07±164.55E, 0.04, h27km, n29, r15530, mb3.6/7, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res. Lists stations like Bering, Krutoberegovo, Somma, etc.

IDC 21 04:01:50.7±2.4, 02.55S; 174.18E, h35km, ML3.8/15, Off E. Coast of S. Island, N.Z.

WEL 21 04:01:50.7±2.4, 02.55S; 174.18E, h35km, ML3.8/15, Off E. Coast of S. Island, N.Z.

ISC 21 04:01:50.3±1.0, 0.41S; 196S; 0.03±174.03E, h20km, 21km, n23, r988958, Cook Strait

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res. Lists stations like KEKS, WDFS, CMWZ, etc.

Table with columns: THZ, Tophouse, 0.86 283, P, Pb, 04 02 06.9 +0.3, etc.

NOU 21 04:02:17.6, 23:33S:120:23E, h0km, MLV4.0/1.1, Western Australia, Western Australia

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

IDC 21 04:03:02.6:0.9, 55:01N:164:64E, h0km, mb3.8/1.8, mbmp3.9/1.5, ML3.4/2, MS3.3/8, Error ellipse: s-maj=23.2km s-min=15.5km az=172.0

KRSC 21 04:03:03.1:0.1, 54:58N:164:69E, h45km, 26km, ML4.4, NEIC 21 04:03:04.4:0.9, 55:1N:164:7E:0.2, h10km, 2km, mb4.4/1.4, Error ellipse: s-maj=22.7km s-min=16.9km az=122.0

MOS 21 04:03:05.3:0.7, 54:89N:164:71E, h41km, mb4.2/1, Error ellipse: s-maj=8.3km s-min=6.4km az=138.5

ISC 21 04:03:05.8:0.6, 54:94N:0:05:164:71E:0.04, h27km, n101, a1909/106, mb4.2/22, MS3.5/5, Komandorsky Islands region

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

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

Main table with columns: B21K, IAmB, IAmB, 04 08 47.7, etc.

Table with columns: JYAR, Yonezawaaradi, 1.24 314, A, A, 04 13 52.0, etc.

SJA 21 04:13:54.8:0.7, 19:41S:69:17W, h118km, 3km, ML3.5, MWV.5, GUC 21 04:13:56.4:1.3, 19:37S:69:12W, h113km, 16km, ML3.4, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GO01 Chusmiza, PB08 IPOC Station P, PX02 IPOC Station P, etc.

IDC 21 04:21:20.1, 1.6, 55.07N, 164.19E, h0km, mb3.4/4, mbmp3.3/5, ML2.4/1, Error ellipse: s-maj=59.8km s-min=20.9km az=165.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BKI Bering, KBTR Krutoberegovo, BZP Bezmyannyi-Pe, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like URFA Urfa, MARD Mardin, SANL SANLUFA_Merk, etc.

IDC 21 04:54:06.2, 1.8, 55.17N, 164.55E, h0km, mb3.7/7, mbmp3.7/8, ML3.4/1, Error ellipse: s-maj=49.8km s-min=23.5km az=170.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BKI Bering, KBTR Krutoberegovo, BZP Bezmyannyi-Pe, etc.

H112 WAKE ISLAND Hy 35.12 176 T T 05 39 26.4

H111 WAKE ISLAND Hy 35.14 176 T T 05 39 33.0

YKA Yellowknife Arr 39.98 45 P P 05 01 41.2 +0.6

KURBB Kurchatov Arr 49.19 303 P P 05 02 54.0 -0.3

NB2 NORRAR Subarra 62.54 346 P P 05 04 29.6 -0.1

NOA NORRAR Arr 62.54 346 P P 05 04 29.3 -0.4

HFS Hagfors 63.03 344 P P 05 04 31.7 -1.2

TXAR Lajitas Array 67.45 71 P P 05 05 03.4 +1.3

ESDC Sonseca Array 85.32 351 P P 05 06 43.4 +0.1

IDC 21 04:58:13.6, 5.5, 22.81S, 179.59W, h556km, 30km, mb3.3/4, mbmp4.3/5, Error ellipse: s-maj=114.2km s-min=23.9km az=141.0

NEIC 21 04:58:15.1, 1.5, 22.7S, 179.70W, h1.0km, 15km, mb4.2/7, Error ellipse: s-maj=40.0km s-min=10.3km az=193.0

IDC 21 04:58:13.9, 1.5, 23.0S, 0.2, 179.5W, h2.0, h500km, n24, z=202/20, mb4.0/9, South of Fiji Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MSFV Nonsava, DZM Mont Dzumac, NOUC Noumea, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FORT Forrest, FITZ Fitzroy Cross, MBWA Marble Bar, etc.

NOU 21 04:59:35.7, 16.09S, 168.27E, h14km, mb3.4/9, Vanuatu Islands, Vanuatu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SANVU Sarauoutou, SANVU Sarauoutou, DVP Devils Point, etc.

WEL 21 05:00:41.4, 0.9, 37.7S, 177.7E, h215km, 7km, M3.2/19, ML3.4/6, MLV3.2/19, Error ellipse: s-maj=12.1km s-min=8.4km az=115.3, confirmed

NOU 21 05:00:42.5, 37.31S, 177.46E, h227km, mb3.9/15, Off E. Coast of N. Land, N.Z.

ISC 21 05:00:39.1, 2.7, 37.0S, 0.1, 177.33E, h240km, 13km, n83, r1910/100, Off east coast of North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HAZ Te Kaha, MXZ Matakaoa Point, MXZ Matakaoa Point, etc.

NEIC 21 05:01:02.8, 1.0, 38.58N, 0.04, 112.26W, h0.03, h5km, 1km, Error ellipse: s-maj=6.9km s-min=2.9km az=149.0

UUSS 21 05:01:03.2, 1.0, 38.57N, 0.04, 112.27W, h0.05, h3km, 5km, n82, R/12, ML3.0/42(NEIC), Error ellipse: s-maj=6.7km s-min=4.2km az=131.0, Utah

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include MVU Marysvale, MSU Marysvale, TCURU Three Creeks R, etc.

IDC 21 05:07:33.3, 1.8, 55:07N, 164.44E, h0km, mb3.4/3, mbmp3.4/4, ML2.4/1, Error ellipse: s-maj=112.9km

KRSC 21 05:07:33.7, 1.1, 54.84N, 164.37E, h43km, 28km, ML3.7

ISC 21 05:07:35.9, 0.9, 54.89N, 165.016, 49E, 0.05, h27km, n25, 0.146/38, mb3.2/3, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include BKI Bering, KBTR Krutoberegovo, SMKR Semkarok, etc.

IDC 21 05:09:18.7, 0.6, 54.91N, 164.47E, h0km, mb4.1/26, mbmp4.2/28, ML5.1/1, MS3.3/3, Error ellipse: s-maj=17.3km, s-min=11.7km, az=165.0

KRSC 21 05:09:19.8, 1.3, 54.90N, 164.40E, h64km, 30km, ML4.5

NEIC 21 05:09:20.7, 0.9, 55.1N, 0.1:164.34E:0.07, h10km, 1km, mb4.5/44, Error ellipse: s-maj=22.3km, s-min=6.3km, az=190.0

MOS 21 05:09:21.9, 1.0, 54.92N, 164.43E, h37km, mb4.6/5, Error ellipse: s-maj=7.3km, s-min=5.8km, az=61.0

ISC 21 05:09:22.6, 0.4, 54.91N, 164.47E, 0.04, h27km, n184, 0.128/190, mb4.4/66, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include BKI Bering, KBTR Krutoberegovo, SMKR Semkarok, etc.

Table with columns: BZMR, BZMR, BZMR, etc. Rows include Bezymyannaya, Tumrok, Tumrok, etc.

IDC 21 05:07:33.3, 1.8, 55:07N, 164.44E, h0km, mb3.4/3, mbmp3.4/4, ML2.4/1, Error ellipse: s-maj=112.9km

KRSC 21 05:07:33.7, 1.1, 54.84N, 164.37E, h43km, 28km, ML3.7

ISC 21 05:07:35.9, 0.9, 54.89N, 165.016, 49E, 0.05, h27km, n25, 0.146/38, mb3.2/3, Komandorsky Islands region

Table with columns: YAK, YAK, YAK, etc. Rows include Yakutsk, Kamikawa-asahi, Asahikawa, etc.

IDC 21 05:09:18.7, 0.6, 54.91N, 164.47E, h0km, mb4.1/26, mbmp4.2/28, ML5.1/1, MS3.3/3, Error ellipse: s-maj=17.3km, s-min=11.7km, az=165.0

KRSC 21 05:09:19.8, 1.3, 54.90N, 164.40E, h64km, 30km, ML4.5

NEIC 21 05:09:20.7, 0.9, 55.1N, 0.1:164.34E:0.07, h10km, 1km, mb4.5/44, Error ellipse: s-maj=22.3km, s-min=6.3km, az=190.0

MOS 21 05:09:21.9, 1.0, 54.92N, 164.43E, h37km, mb4.6/5, Error ellipse: s-maj=7.3km, s-min=5.8km, az=61.0

ISC 21 05:09:22.6, 0.4, 54.91N, 164.47E, 0.04, h27km, n184, 0.128/190, mb4.4/66, Komandorsky Islands region

Table with columns: J25K, J25K, J25K, etc. Rows include Arctic Village, Happy Valley, Squaw Lake, etc.

Table with columns: H11N2, H11N3, H11N1, etc. Rows include WAKE ISLAND Hy 35.16 176 T, WAKE ISLAND Hy 35.18 176 T, etc.

IDC 21 05:07:33.3, 1.8, 55:07N, 164.44E, h0km, mb3.4/3, mbmp3.4/4, ML2.4/1, Error ellipse: s-maj=112.9km

KRSC 21 05:07:33.7, 1.1, 54.84N, 164.37E, h43km, 28km, ML3.7

ISC 21 05:07:35.9, 0.9, 54.89N, 165.016, 49E, 0.05, h27km, n25, 0.146/38, mb3.2/3, Komandorsky Islands region

Table with columns: GSC, GSC, GSC, etc. Rows include Goldstone, Borovoye, Mina Array, etc.

IDC 21 05:09:18.7, 0.6, 54.91N, 164.47E, h0km, mb4.1/26, mbmp4.2/28, ML5.1/1, MS3.3/3, Error ellipse: s-maj=17.3km, s-min=11.7km, az=165.0

KRSC 21 05:09:19.8, 1.3, 54.90N, 164.40E, h64km, 30km, ML4.5

NEIC 21 05:09:20.7, 0.9, 55.1N, 0.1:164.34E:0.07, h10km, 1km, mb4.5/44, Error ellipse: s-maj=22.3km, s-min=6.3km, az=190.0

MOS 21 05:09:21.9, 1.0, 54.92N, 164.43E, h37km, mb4.6/5, Error ellipse: s-maj=7.3km, s-min=5.8km, az=61.0

ISC 21 05:09:22.6, 0.4, 54.91N, 164.47E, 0.04, h27km, n184, 0.128/190, mb4.4/66, Komandorsky Islands region

Table with columns: WATA, WATA, WATA, etc. Rows include Waldermal, Reutte, Burmt Mountain, etc.

21d 5h

az=189.0

KRSC 21 05:21:28.4 0.9,54774N,164.53E,h48km,25km,M4.0

ISC 21 05:21:30.5 0.8,54778N,164.63E,0.05,h27km,n59,

o=111/66,mb4.0/16,Komandorsky Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their data.

2018 DEC

Main table with columns: BULLI, KIMBE, MANU, PMG, etc. Lists seismic events with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC.

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Table with columns: ASAR, AUPHS, SANNI, CMSA, etc. Lists seismic events with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Bandwidth, Mode, and various status indicators. Includes stations like LBZ Lake Benmore, WKZ Wanaka, NACB Ninganchiao, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Bandwidth, Mode, and various status indicators. Includes stations like TIA, YSS, RPSI, PSI, MDJ, NAYO, ENSHI, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Bandwidth, Mode, and various status indicators. Includes stations like CD2, XLT, XILinHaoTe, HHC, SHEM, etc.

21d 5h

2018 DEC

1338

VNDA	Vanda	72.12	178	P	P	05 35 04.8	-0.3
VNDA	Vanda	72.12	178	P	P	05 35 05.8	+0.6
VNDA				LR	LR	06 05 03.8	
VNDA	Vanda	72.12	178	P	P	05 35 04.9	-0.3
CHNA	Chernabura Isl	72.26	27	P	P	05 35 07.6	+1.3
PALK	Pallekele	72.35	279	LR	LR	06 10 12.7	
S14K	Fog Glacier	73.19	26	P	P	05 35 12.4	+0.5
M11K	Mekoryuk	73.39	20	P	P	05 35 14.5	+1.7
CHGN	Chignik	73.70	26	P	P	05 35 16.0	+1.2
BILL	Bilibino	74.09	6	P	P	05 35 17.3	+0.4
BILL	Bilibino	74.09	6	P	P	05 35 17.9	+1.0
GAMB	Gambell	74.28	16	P	P	05 35 18.7	+0.7
O14K	Tiguykaiuvet M	74.41	23	P	P	05 35 19.4	+0.6
M13K	Dall Lake	74.41	21	P	P	05 35 19.9	+1.1
CHIR	Chirikof Islan	74.67	28	P	P	05 35 20.9	+0.4
N14K	Kuskokwak Cree	74.69	22	P	P	05 35 21.3	+0.8
R16K	Pilot Point	74.84	25	P	P	05 35 22.6	+1.2
O15K	Ungalikthiuk R	74.92	23	P	P	05 35 22.7	+0.8
K13K	Kusilvak Mount	75.03	20	P	P	05 35 23.2	+0.8
M14K	Bethel	75.15	21	P	P	05 35 23.9	+0.8
L14K	Kuka Creek	75.29	21	P	P	05 35 25.0	+1.0
N15K	Kwethluk River	75.46	23	P	P	05 35 25.9	+0.9
P16K	Nushagak River	75.56	24	P	P	05 35 25.5	-0.1
M15K	Kasigluk River	75.58	22	P	P	05 35 26.6	+1.0
SI	Sitkinak Islan	75.75	27	P	P	05 35 27.2	+0.5
WMQ	Urumqi	75.80	318	eP	pP	05 35 27.3	-0.1
WMQ				pP	pP	05 35 33.8	+0.9
WMQ				pmax	pmax		
WMQ				LR	LR		
WMQ				LR	LR		
O16K	Kokwok River B	75.87	24	P	P	05 35 27.7	+0.4
Q16K	King Salmon	75.90	25	P	P	05 35 28.2	+0.7
L15K	Ungalak Mounta	75.94	21	P	P	05 35 28.4	+0.8
J14K	Nanvaranak Lak	75.97	19	P	P	05 35 28.6	+0.8
Q17K	Contact Creek	75.98	25	P	P	05 35 28.2	+0.1
H17K	Hyderabad	76.06	289	eP	P	05 35 28.5	-0.9
N16K	Nishlik Lake	76.16	23	P	P	05 35 29.9	+0.9
ACHA	Angle Creek He	76.19	26	P	P	05 35 29.5	+0.3
ACHA	ACHA			IAMB	IAMB	05 35 30.6	
R18K	Karluk	76.20	26	P	P	05 35 29.4	+0.2
P17K	Kvichak River	76.30	24	P	P	05 35 30.0	+0.3
K15K	Wolf Creek Mou	76.34	20	P	P	05 35 31.1	+1.2
O17K	Kolliganek Bris	76.38	24	P	P	05 35 30.7	+0.5
M16K	Timber Creek	76.44	22	P	P	05 35 31.5	+0.9
OHAK	Old Harbor	76.53	27	P	P	05 35 31.9	+0.9
OHAK	Old Harbor	76.53	27	P	P	05 35 32.3	+1.2
Q18K	Katmai Hardscr	76.58	25	P	P	05 35 31.7	+0.2
L16K	Ohwat River	76.69	21	P	P	05 35 33.0	+1.1
ANM	Nome	76.69	17	P	P	05 35 32.7	+0.8
TNA	Tin City	76.70	16	P	P	05 35 32.3	+0.4
N17K	Nushagak Hills	76.81	23	P	P	05 35 33.6	+0.9
N17K	Nushagak Hills	76.81	23	P	P	05 35 33.2	
P18K	Big Mountain,	76.92	25	P	P	05 35 34.3	+0.9
F14K	Arctic Creek	77.08	17	P	P	05 35 34.8	+0.8
KDOK	Kodiak Island	77.15	27	P	P	05 35 35.1	+0.6
KDOK	KDOK			IAMB	IAMB	05 35 36.4	
KDOK	Kodiak Island	77.15	27	P	P	05 35 34.2	-0.4
KDOK	Kodiak Island			LR	LR	06 04 03.8	
KDOK	Kodiak Island	77.15	27	P	P	05 35 35.2	+0.6
KDOK	Kodiak Island	77.15	27	P	P	05 35 33.0	-1.6
O18K	Koktuh Hills	77.19	24	P	P	05 35 34.8	0.0
O19K	Koktuh Hills	77.19	24	P	P	05 35 36.5	
O18K	Koktuh Hills	77.19	24	P	P	05 35 35.0	+0.2
M17K	Holitna River	77.25	22	P	P	05 35 35.9	+0.8
M17K	Holitna River	77.25	22	P	P	05 35 38.0	
M17K	Holitna River	77.25	22	P	P	05 35 36.5	+1.4
J16K	Anvik River	77.32	20	P	P	05 35 36.6	+1.2
Q19K	Cape Douglas,	77.32	26	P	P	05 35 35.1	-0.5
Q19K	Cape Douglas,	77.32	26	P	P	05 35 35.7	+0.1
L17K	Domlin	77.39	22	P	P	05 35 37.2	+1.4
G15K	Niukluk	77.40	18	P	P	05 35 36.6	+0.8
N18K	Klatae Creek	77.41	23	P	P	05 35 37.4	+1.3
Q20K	Shuyak Island	77.69	26	P	P	05 35 37.9	+0.3
I17K	Unalakleet	77.69	19	P	P	05 35 38.9	+1.4
H16K	Elim	77.70	18	P	P	05 35 38.1	+0.5
F15K	North Star Dit	77.73	17	IAMS_20	IAMS_20	06 06 39.5	
F15K	North Star Dit	77.73	17	P	P	05 35 38.3	+0.6
O19K	Iditarod	77.75	21	P	P	05 35 39.0	+1.2
K17K	Port Alsworth	77.76	24	P	P	05 35 37.5	-0.5
SVW2	Sparrevohn	77.78	23	P	P	05 35 38.7	+0.6
SVW2	Sparrevohn			IAMB	IAMB	05 35 40.8	
SVW2	Sparrevohn	77.78	23	P	P	05 35 39.5	+1.4
P19K	Oil Pt	77.90	25	P	P	05 35 38.6	-0.2
P19K	Oil Pt	77.90	25	P	P	05 35 39.1	+0.3
J17K	VABDI Dome	77.92	20	P	P	05 35 39.9	+1.2
M18K	Stony River	77.92	23	P	P	05 35 40.1	+1.2
L18K	Granite Mounta	78.03	22	P	P	05 35 40.8	+1.4
L18K	Granite Mounta	78.03	22	P	P	05 35 40.2	+0.8

N19K	Bonanza Creek	78.05	24	P	IAMB	05 35 40.4	+0.7
N19K	Bonanza Creek			IAMB	IAMB	05 35 41.6	
G16K	Koyuk River	78.19	18	IAMS_20	IAMS_20	06 05 51.6	
G16K	Koyuk River	78.19	18	P	P	05 35 41.0	+0.8
O20K	Slope Mountain	78.39	25	P	P	05 35 41.5	-0.1
TIXI	Tiksi	78.53	353	P	LR	05 35 41.7	-0.3
TIXI	Tiksi			LR	LR	06 12 01.3	
TIXI	Tiksi	78.53	353	eP	pmax	05 35 40.3	-1.7
TIXI	Tiksi			pmax	pmax		
HOM	Homer	78.58	26	P	P	05 35 42.9	+0.4
H17K	Granite Mounta	78.64	19	P	P	05 35 43.8	+1.0
L19K	White Mountain	78.70	22	P	P	05 35 43.8	+0.6
G17K	Kiwaliik Mounta	78.78	18	P	P	05 35 44.4	+0.8
J18K	Inno River	78.78	21	P	P	05 35 43.8	+0.2
ZSN	Zaisan	78.98	320	eP	P	05 35 43.7	-1.3
ZSN	Zaisan	78.98	320	eP	pmax	05 35 43.6	-1.4
ZSN	Zaisan			pmax	pmax		
BRSE	Bradley Lake S	79.01	26	P	P	05 35 45.5	+0.5
SPCR	Spruitt Kachcha	79.18	24	P	P	05 35 45.3	-0.6
KAAM	Kaadhehdhoo	79.19	272	P	P	05 35 45.6	-0.3
M20K	Styx River	79.19	23	P	P	05 35 46.9	+0.9
F17K	Bafwin Pennin	79.23	17	P	P	05 35 46.7	+0.8
L20K	Farewell, AK	79.24	23	P	P	05 35 47.1	+0.9
H18K	Hottosa River	79.28	19	P	P	05 35 46.4	+0.1
CAPN	Captain Cook N	79.38	25	P	P	05 35 47.9	+1.1
C16K	Lisburne Hills	79.40	15	IAMS_20	IAMS_20	06 09 22.6	
C16K	Lisburne Hills	79.40	15	P	P	05 35 47.5	+0.7
J19K	Poorman	79.49	21	P	P	05 35 48.2	+0.8
E17K	Hoatham Inlet	79.50	17	P	P	05 35 48.3	+0.8
GCSA	Galena City Sc	79.52	20	P	P	05 35 48.2	+0.7
D17K	Notak River	79.58	16	P	P	05 35 48.5	+0.6
G18K	Tagagavik	79.67	18	P	P	05 35 48.6	+0.2
K20K	Telida	79.68	22	P	P	05 35 49.2	+0.7
SEW	Seward	79.76	26	P	P	05 35 49.6	+0.7
F18K	Selawik	79.82	18	P	P	05 35 49.7	+0.6
O22K	Cooper Landing	79.83	25	IAMS_20	IAMS_20	06 04 51.7	
O22K	Cooper Landing	79.83	25	P	P	05 35 49.6	+0.2
SKT	Skwentna	79.88	24	P	P	05 35 49.2	-0.4
RDOG	Red Dog Mine	79.88	16	IAMS_20	IAMS_20	06 08 07.3	
RDOG	Red Dog Mine	79.88	16	P	P	05 35 50.0	+0.5
SUA	Susitna One	79.92	24	P	P	05 35 49.7	-0.3
E18K	Tukpahleirik C	80.09	17	IAMS_20	IAMS_20	06 10 30.3	
E18K	Tukpahleirik C	80.09	17	P	P	05 35 51.3	+0.7
C17K	DeLong Mountai	80.11	15	P	P	05 35 51.3	+0.6
PLLA	Purkeypie	80.12	23	P	P	05 35 51.9	+0.2
J20K	Nowinta River	80.13	21	P	P	05 35 51.5	+0.6
RC01	Rabbit Creek A	80.14	25	P	P	05 35 51.3	+0.3
H19K	Roundabout Mou	80.14	19	P	IAMB	05 35 51.7	+0.8
H19K	Roundabout Mou	80.14	19	P	IAMB	05 35 53.2	
H19K	Roundabout Mou	80.14	19	P	P	05 35 51.5	+0.6
G19K	Purcell Mounta	80.32	19	P	P	05 35 52.5	+0.6
M22K	Willow	80.33	24	P	P	05 35 51.7	-0.3
I20K	Naagdeneale	80.37	20	P	P	05 35 52.8	+0.7
MK31	Makanchi Array	80.41	319	eP	P	05 35 52.2	-0.6
MKAR	Makanchi Array	80.41	319	P	P	05 35 52.7	-0.6
MKAR	Makanchi Array	80.41	319	P	P	05 35 52.7	-0.1
MKAR	Makanchi Array			LR	LR	06 10 15.3	
CAST	Castle Rocks	80.45	22	P	P	05 35 52.4	-0.3
F19K	Shuruekik Mo	80.54	18	P	P	05 35 52.3	+0.1
P23K	Montague Islan	80.60	26	P	P	05 35 52.8	-0.7
CUT	Chuilinta	80.61	23	P	P	05 35 52.8	-0.6
PWL	Port Wells	80.61	25	P	P	05 35 53.6	0.0
MAK2	Makanchi	80.62	319	IAMS_20	IAMS_20	06 10 11.5	
MAK2	Makanchi	80.62	319	P	P	05 35 52.8	-1.2
CHUM	Lake Minchumim	80.62	22	P	P	05 35 53.7	+0.2
H20K	Anotlenega Mo	80.65	20	P	P	05 35 54.3	+0.6
PMR	Palmer	80.65	24	P	P	05 35 54.0	+0.3
PMR	Palmer	80.65	24	P	P	05 35 55.2	+1.5
C18K	Utukok River	80.75	16	P	P	05 35 54.3	0.0
KNK	Knik Glacier	80.84	25	P	P	05 35 55.2	+0.4
B18K	Kokolik River	81.08	15	P	P	05 35 56.7	+0.8
SML	Sawmill	81.08	24	P	P	05 35 56.4	+0.2
E19K	Redstone River	81.10	18	IAMS_20	IAMS_20	06 08 44.4	
E19K	Redstone River	81.10	18	P	P	05 35 56.8	+0.7
TRF	Thorofare Moun	81.15	23	P	P	05 35 55.7	-0.9
GLI	Glacier Land	81.15	26	P	P	05 35 56.3	-0.2
BPAW	Bear Paw Mtn.	81.23	22	P	P	05 35 56.7	-0.2
SHLS	Shalhode	81.25	315	eP	P	05 35 54.6	-2.9
SHLS	Shalhode	81.25	315	eP	pmax	05 35 54.6	-2.9
SHLS	Shalhode			pmax	pmax		
PDGK	Pogogye	81.27	315	P	P	05 35 56.7	-1.0
F20K	Avaaraat Lake	81.31	18	P	P	05 35 57.1	0.0
F20K	Avaaraat Lake	81.31	18	P	P	05 35 57.3	+0.2
M23K	Glacier View	81.33	25	P	P	05 35 57.1	-0.3
ZALV	Zalesovo Beam	81.37	327	P	P	05 35 56.2	-1.5
ZALV	Zalesovo Beam			LR	LR	06 11 45.6	
ZALV	Zalesovo Beam			LR	LR		
ZALV	Zalesovo Beam			pmax	pmax		

Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, Date, Time, etc. Includes entries like PINN Pinnacle, KURK Kurchatov, A22K Sincilar Lake, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, Date, Time, etc. Includes entries like C26K Camden Bay, M30M Milto, N31M Braeburn, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, Date, Time, etc. Includes entries like AKTO Aktyubinsk, LPIG La Paz, PDAR Pinedale Array, etc.

21d 5h

Table with columns for station name, frequency, power, and other technical details. Includes stations like FUORN, GUMA, ZCCA, RAFF, AP01, LPAZ, CPUP, SDV, PAVIA, ESDC, CART, PMRV, SAML, PMTG, PBAR, EVO, MESJ, MESV, PCESE, PTEO, PFVI, BIM, TORD, BDFB, PMAR, DBIC.

Summary statistics:
IDC 21 05:29:19.1-0.6, 54.96N-164.73E, h0km, mb4.2/31, mbtmp4.2/32, ML3.3/1, MS3.8/3, Error ellipse: s-maj=16.2km s-min=11.5km az=152.0
KRSC 21 05:29:20.21.4, 54.81N-164.60E, h48km, 31km, M14.7
MOS 21 05:29:21.9-0.7, 54.89N-164.70E, h34km, mb4.7/12, Error ellipse: s-maj=6.8km s-min=5.8km az=59.2
NEIC 21 05:29:21.1-1.3, 55.0N-0.1, 164.6E-0.2, h10km, 2km, mb4.4/49, Error ellipse: s-maj=25.9km s-min=15.8km az=157.0
ISC 21 05:29:22.8-0.4, 54.84N-0.0, 164.72E-0.0, h27km, n192, c1514/204, mb4.3/67, MS4.3/3, 2C-2D, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations and their parameters.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations and their parameters.

2018 DEC

Table with columns: Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations and their parameters.

1340

Table with columns: Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations and their parameters.

1341

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like IPOC Station P, Diego Aracena, and various IFOC stations.

SJA 21 05:44:24.0±0.6, 37°89S:74°25W, h31km, 8km, ML4.2, MW4.3
IDC 21 05:44:30.5±0.8, 37°74S:73°48W, h0km, mb3.9/7, mbmp3.9/9, ML4.1/2, MS4.0/5, Error ellipse: s-maj=30.0km s-min=20.0km az=74.0
GUC 21 05:44:34.7±0.8, 37°80S:73°42W, h1km, 2km, ML4.4
NEIC 21 05:44:34.1±1.6, 37°75S:0°04:73°36W:0.04, h22km, 7km, mb4.3/7, Error ellipse: s-maj=7.4km s-min=1.8km az=218.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Isla Mocha, Puerto Saavedr, Punta Hualpín, Curarrehue, and various IFOC stations.

2018 DEC

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like PLCA, PASO FLORES, PASEO FLORES, and various IFOC stations.

Loyalty Islands 21d 5h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like MARE, LOYALTY ISLANDS, and various IFOC stations.

TEH 21 05:44:56.1, 34°42N:45°69E, h10km, 468km, ML2.5
ISN 21 05:44:56.4±0.4, 34°43N:45°68E, h18km, 34km, ML2.5
ISC 21 05:44:56.1±1.1, 34°41N:0°06:45°68E:0°05, h12km, 11km, n7, 0°09:36.11, Iran-Iraq border region
IDC 21 05:47:40.5±0.7, 22°31S:169°92E, h0km, mb4.5/13, mbmp4.5/15, ML4.1/2, MS4.1/2, Error ellipse: s-maj=19.7km s-min=18.1km az=87.0
NEIC 21 05:47:44.1±1.9, 22°33S:0°10:169°65E:0°08, h10km, 1km, mb4.8/31, Error ellipse: s-maj=17.0km s-min=11.9km az=161.0
NOU 21 05:47:47.6±2.2, 30S:169°58E, h26km, mb4.9/41, Southeast of Loyalty Islands
ISC 21 05:47:43.5±0.4, 22°37S:0°05:169°73E:0°06, h10km, n145, 1°13W, mb4.9/33, MS4.1/7, 6C-4D, Southeast of

21d 5h

Table with columns: Station Name, Az, El, Pmax, P, Res, Time, Res, etc. Includes stations like Nanjing, Petropavlovsk, Banda Aceh, etc.

IDC 21 05:48:44.0z 1.5, 6.3, 0.2N, 151.26W, h96km, 15km, mb3.4/11, mbmp3.7/16, Error ellipse: s-maj=20.0km s-min=10.3km az=107.0

NEIC 21 05:48:46.0z 0.9, 6.3, 0.1N, 0.03, 150.96W, 0.08, h17km, 5km, Error ellipse: s-maj=5.1km s-min=4.8km az=139.0

AEIC 21 05:48:47.1z 1.0, 6.3, 0.0N, 0.03, 150.92W, 0.08, h15km, 4km, ML3, 3.5, 182(NEIC), Error ellipse: s-maj=5.2km s-min=4.8km az=122.0

ISC 21 05:48:46.0z 0.7, 6.2, 99N, 0.03, 150.96W, 0.03, h122km, 5km, n282, 0.60/274, mb3.7/11, Central Alaska

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, etc. Includes stations like Thorofare Moun, Thorofare Moun, Kantishna Hill, etc.

2018 DEC

Main table with columns: Station Name, Az, El, Pmax, P, Res, Time, Res, etc. Includes stations like Chulitna, Chulitna, Chulitna, etc.

1342

Table with columns: Station Name, Az, El, Pmax, P, Res, Time, Res, etc. Includes stations like Donnelly Dome, Donnelly Dome, Port Wells, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like G21K Allakaket, G21K comp=N,29nm,0.9s, O18K Koktuh Hills, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like INK Inuvik, JIS Juneau Island, Q32M Nakina River, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MBFL Flemmings, Mon, MBFL Salisbury, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like LZH Lanzhou, SHL Shilling, ULN Ulanbatar, etc.

Code Station Name Az Phase ID Time Res ISC
I37NO I37NO 7.26 291 Op I SC 06 58 30.0

IDC 21 06:20:05.4 1.6, 5.5:22N:164.14E, h0km, mb3.6/4, mbmp3.5/5, ML2.4/1, Error ellipse: s-maj=66.8km s-min=22.1km az=158.0

KRSC 21 06:20:06.1 3.4, 5.4:84N:164.46E, h48km, mb3.6km, MI3.7

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like BKI Bering, KBTB Krutoberegovo, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like H11N2 WAKE ISLAND Hy 35.30 176 T, etc.

IDC 21 06:28:25.1 1.3, 6.14S:148.81E, h0km, mb3.8/5, mbmp3.9/7, ML4.1/1, MS2.9/1, Error ellipse: s-maj=32.5km s-min=16.4km az=135.0

ISC 21 06:28:32.3 1.2, 6.2S:0.1:148.8E:0.2, h60km, n8, c130/10, mb3.7/5, New Britain region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like PMG Port Moresby, PMG Port Moresby, etc.

IDC 21 06:33:50.2 0.3, 5.29S:151.68E, h0km, mb4.9/24, mbmp4.8/28, ML4.3/3, MS5.6/58, Error ellipse: s-maj=13.4km s-min=8.6km az=117.0

BUI 21 06:33:51.5, 5.50S:152.00E, h10km, mb5.4/88, mb5.7/78, Ms5.8/97, Ms7.5/792

MOS 21 06:33:51.6, 1.3, 5.41S:151.89E, h16km, mb5.6/47, MS5.7/13, Error ellipse: s-maj=8.5km s-min=5.3km az=109.4

NEIC 21 06:33:52.3, 5.48S:151.95E, h18km, NEIC 21 06:33:52.3, 5.58S:152.05E, h18km, Moment Tensor Solution: Duration: 4s, Moment tensor: Scalar 1077Nm; Mw: 6.0; Ms: 6.36; Ms: 0.23; Ms: 7.06; Ms: 1.60; Ms: 0.40; Ms: 1.67; Ms: 9.30000; Principal axes: T 9.7976, Plg265.0000, Azm14.0000; N -0.1530, Plg9.0000, Azm265.0000; P -9.6446, Plg23.0000, Azm171.0000;

NEIC 21 06:33:52.3, 1.5, 5.48S:0.06:151.96E:0.08, h10km, 1km, Ms5.7/167, Ms 20.5/9966, Mw5.9/45, Error ellipse: s-maj=13.3km s-min=10.1km az=96.0

IPGP 21 06:33:52.0, 5.48S:151.98E, h29km, Mw6.0, Fault plane solution: NP1: 85.00000; 874.00000; 1.92.00000; NP2: 258.00000; 1.6.00000; 1.83.00000; Principal axes: T 1.1190, Plg71.0000; Azm11.0000; N 0.0330, Plg6.0000; Azm259.0000; P -1.1530, Plg18.0000; Azm167.0000; nst2a refers to body waves, cutoff=40s. nst2b refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function

ISC 21 06:33:52.5 0.3, 5.45S:0.03:152.06E:0.03, h8km, 1km, h9km, p-P, N1506, c292/1098, mb5.6/207, MS5.9/559, 63C-44D, New Britain region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like RABL Rabaul, BULU Kimbe, etc.

Code Station Name Az Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like CTAO Charters Tower, BAKI Blak, SANVU Sarautou, etc.

1345

Table with columns: STKA, Stephens Creek, 28.06 199, P, P, 06 39 42.4 -1.9, comp=Z,18nm,0.9s,baz=7.1,slow=8.8,SNR=22

2018 DEC

Table with columns: TCW, Tuw, 40.77 154, P, P, 06 41 33.8 -0.2, comp=Z,15um,20.0s

21d 6h

Table with columns: SSE, PP, 06 44 11.1 -1.7, comp=Z,7.0nm,0.5s

21d 6h

2018 DEC

1346

Table with multiple columns containing station codes (MDJ, PZH, LZH, etc.), frequencies, and signal quality metrics (e.g., S/NR, SNR). The table is organized into several columns, each representing a different station or a group of stations. Each row contains a station code, its frequency, and various signal quality indicators.

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like I28M Miner Creek, O30N Mendonhall, R32K Eaglecrest, etc.

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like G30M tAoh Zraii Nji, SIMJ Simigan, BBB Bella Bella, etc.

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like MZP Montezuma Peak, E09A Wood Farm, GMM Gold Mountain, etc.

21d 6h

Table with columns for station ID, name, time, and various status codes. Includes stations like Preston Nutter, Yellowstone No, Sierra La Laguna, etc.

2018 DEC

Table with columns for station ID, name, time, and various status codes. Includes stations like Tabor, Depeve, Leonard, Anapa, etc.

1350

Table with columns for station ID, name, time, and various status codes. Includes stations like Shelbville, Dopca, Esquipulas, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like CKRC, N58A, NKC, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like CART, MVO, PVIS, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like ASAR, KNRA, SONM, etc.

1351 21d 7h 0.0, 1.3, 5.36S: 152.06E, h0km, mb4.0/7, mtimp4.0/8, ML2.3/1, Error ellipse: s-maj=56.2km

NEIC 21 07:08:45.2, 1.9, 5.477N: 164.82E, h0km, mb3.5/4, s-maj=24.3km, s-min=15.8km

ISC 21 07:08:49.7, 0.9, 5.477N: 164.82E, h0km, mb3.5/4, s-maj=24.3km, s-min=15.8km

ISC 21 07:08:49.7, 0.9, 5.477N: 164.82E, h0km, mb3.5/4, s-maj=24.3km, s-min=15.8km

ISC 21 07:08:49.7, 0.9, 5.477N: 164.82E, h0km, mb3.5/4, s-maj=24.3km, s-min=15.8km

ISC 21 07:08:49.7, 0.9, 5.477N: 164.82E, h0km, mb3.5/4, s-maj=24.3km, s-min=15.8km

ISC 21 07:08:49.7, 0.9, 5.477N: 164.82E, h0km, mb3.5/4, s-maj=24.3km, s-min=15.8km

ISC 21 07:08:49.7, 0.9, 5.477N: 164.82E, h0km, mb3.5/4, s-maj=24.3km, s-min=15.8km

ISC 21 07:08:45.2, 1.9, 5.477N: 164.82E, h0km, mb3.5/4, s-maj=24.3km, s-min=15.8km

ISC 21 07:08:49.7, 0.9, 5.477N: 164.82E, h0km, mb3.5/4, s-maj=24.3km, s-min=15.8km

ISC 21 07:08:49.7, 0.9, 5.477N: 164.82E, h0km, mb3.5/4, s-maj=24.3km, s-min=15.8km

ISC 21 07:08:49.7, 0.9, 5.477N: 164.82E, h0km, mb3.5/4, s-maj=24.3km, s-min=15.8km

ISC 21 07:08:49.7, 0.9, 5.477N: 164.82E, h0km, mb3.5/4, s-maj=24.3km, s-min=15.8km

ISC 21 07:08:49.7, 0.9, 5.477N: 164.82E, h0km, mb3.5/4, s-maj=24.3km, s-min=15.8km

ISC 21 07:08:49.7, 0.9, 5.477N: 164.82E, h0km, mb3.5/4, s-maj=24.3km, s-min=15.8km

ISC 21 07:08:49.7, 0.9, 5.477N: 164.82E, h0km, mb3.5/4, s-maj=24.3km, s-min=15.8km

21d 7h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KOK Koryaka, DALK Dalny, GNL Ganaly, etc.

IDC 21 07:27:31.5:0.6,1745:15376E,h0km,mb4.0,3, mbmtmp4.0/4,ML3.9/1,MS4.4/9, Error ellipse: s-maj=346.7km s-min=24.4km az=76.0, Baileny Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Vnda Vanda, RPZ Rata Peaks, URZ Urewera, etc.

NEIC 21 07:27:28.6:1.0,19.481N:0.008:155.647W,0.006, h7km,3km, Error ellipse: s-maj=1.2km s-min=0.8km az=195.0

HVO 21 07:27:28.4:1.4,19.486N:0.005:155.654W,0.008, h0km,8km,ML2.5/25,ML2.4/26(NEIC), Error ellipse: s-maj=1.1km s-min=0.8km az=99.0 Hawaiian Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MWH Mokuaweweo, ALEP Alea Permanent, etc.

IDC 21 07:28:33.9:0.7,54.98N:164.75E,h0km,mb3.9/17, mbtmp3.9/18,ML3.0/1, Error ellipse: s-maj=23.6km s-min=13.6km az=160.0

KRSC 21 07:28:35.2:1.0,54.82N:164.64E,h38km,30km,ML4.2, NEIC 21 07:28:36.0:0.7,55.1N:0.2:164.75E:0.2,h10km,2km,

2018 DEC

mb4.1/23, Error ellipse: s-maj=33.6km s-min=7.1km az=153.0

ISC 21 07:28:37.8:0.5,54.94N:0.005:164.69E,0.005,h27km,n78, s=109/82,mb4.1/29, Komandorskiy Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BKI Bering, KBTR Krutoberegovo, etc.

IDC 21 07:28:32.4:0.6,5.43S:152.04E,h0km,mb4.4/17, mbtmp4.4/19,ML3.3/2,MS4.1/1, Error ellipse: s-maj=22.5km s-min=14.4km az=108.0

NEIC 21 07:28:33.8:2.1,5.67S:0.02:152.4E:0.1,h10km,1km, mb5.0/39, Error ellipse: s-maj=19.9km s-min=3.3km

1352

az=99.0 ISC 21 07:28:39.0:0.5,5.63S:0.005:152.23E,0.008,h45km,n315, s=178/320,mb4.8/42,1,D, New Britain region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like RABL Rabaul, BULB Bulbun, MANU Manus Island, etc.

IDC 21 07:28:33.9:0.7,54.98N:164.75E,h0km,mb3.9/17, mbtmp3.9/18,ML3.0/1, Error ellipse: s-maj=23.6km s-min=13.6km az=160.0

KRSC 21 07:28:35.2:1.0,54.82N:164.64E,h38km,30km,ML4.2, NEIC 21 07:28:36.0:0.7,55.1N:0.2:164.75E:0.2,h10km,2km,

Table with columns: YATNC, DZM, OZEM, Station Name, Azimuth, Phase ID, Time, Res. Includes Mamie plateau, Mont Dzumac, Ouen Island, N.

IDC 21 07:43:04.2, 1.7, 54.96N, 164.74E, h0km, mb3.5/3, mbmp3.6/4, ML3.2/1, Error ellipse: s-maj=100.6km s-min=24.5km az=153.0

KRSC 21 07:43:05.8, 1.3, 54.83N, 164.73E, h49km, 30km, MI4.0

ISC 21 07:43:08.3, 1.5, 54.87N, 0.05:164.84E, 0.07, h32km, 14km, n30, r133/44, mb3.6/3, Komandorski Islands region

Main table for 21 Dec 8h with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Bering, Krutoberegovo, Semkarok, etc.

ATH 21 07:51:46.0, 34.85N, 24.60E, h15km, 4km, ML2.7/5, Manual Solution by G.Panopoulos First Location: 2018/12/21 07:52:55, This location: 2019/04/01 14:20:38

Main table for 21 Dec 8h (continued) with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Timbaki Heraki, Gavdhos, Anoyia, etc.

AEIC 21 07:55:01.5, 2.0, 51.60N, 0.05:178.37W, 0.07, h5km, 6km, Error ellipse: s-maj=8.2km s-min=6.1km az=153.0

NEIC 21 07:55:00.7, 1.6, 51.46N, 0.02:178.35W, 0.03, h3km, 3km, mb3.6/8, ML3.0/0(AEIC), Error ellipse: s-maj=3.9km s-min=1.3km az=140.0, Andraonof Islands

Main table for 21 Dec 8h (continued) with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Gareloi East, Gareloi South, etc.

Table for 2018 DEC with columns: D23K, D23K, F24K, EGAK, D25K, D27M, D27M, Station Name, Azimuth, Phase ID, Time, Res. Includes Nanushuk River, Squaw Lake, Eagle, Kavik River, Malcoim River.

IDC 21 07:59:18.7, 5.1, 6.43N, 124.57E, h86km, 38km, mb3.2/3, mbmp3.5/3, Error ellipse: s-maj=78.6km s-min=25.6km az=95.0, Mindanao

Main table for 2018 DEC (continued) with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes Davao City (W), Warramunga Arr, Elision Arr, Eison Arr.

IGQ 21 08:03:20.5, 2.0, 4.5, 8.8, 7.5W, 1.6, h10km, M4, 3/13

RSNC 21 08:03:39.0, 5.2, 3.3, 3.7, 6W, 1.0, h0km, M2, 9, ML2.7

ISC 21 08:03:19.0, 1.7, 2.92S, 0.07:75.55W, 0.08, h10km, n41, c213/49, Peru-Ecuador border region

Main table for 2018 DEC (continued) with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes Puyo, Santa Ro, BOSC, ARDO, etc.

IDC 21 08:18:45.6, 9.0, 37.74N, 72.18E, h152km, 58km, mb3.5/2, mbmp3.8/5, Error ellipse: s-maj=86.7km s-min=56.0km az=155.0

ISC 21 08:18:43.6, 2.5, 37.7N, 0.2:72.0E, 0.2, h130km, n7, c090/0, 2C, Afghanistan-Tajikistan border region

Main table for 2018 DEC (continued) with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes Ala-Archa, Sogiono Array, Karatay Array, etc.

IDC 21 08:23:01.7, 0.6, 54.84N, 164.49E, h0km, mb4, 1/22, mbmp4.1/24, ML3.3/2, Error ellipse: s-maj=20.5km s-min=11.5km az=155.0

KRSC 21 08:23:01.4, 0.9, 54.67N, 164.49E, h49km, 25km, MI4.2

NEIC 21 08:23:03.6, 1.4, 54.9N, 0.2:164.4E, 0.2, h10km, 2km, mb4, 4/36, Error ellipse: s-maj=30.1km s-min=16.1km az=152.0

ISC 21 08:23:05.1, 0.5, 54.76N, 0.06:164.49E, 0.04, h27km, n97, c121/99, mb4.3/38, Komandorski Islands region

Main table for 2018 DEC (continued) with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes Bering, Krutoberegovo, Semkarok, etc.

Table for 1354 with columns: KRMR, RUS, PEAOB, PETK, Station Name, Azimuth, Phase ID, Time, Res. Includes Russkaya, Petropavlovsk, etc.

ASAH comp=Z, 3.8nm, 1.1s Asahikawa 17.70 242 P P 08 27 11.3 +1.1

Main table for 1354 (continued) with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes Holitna, Nushagak Hills, etc.

E19K Redstone River 21.98 40 P P 08 27 58.4 +1.8

Main table for 1354 (continued) with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes White Mountain, Avarart Lake, etc.

E21K Kik River 23.43 38 P P 08 28 11.3 -0.4

Main table for 1354 (continued) with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes Ikpikuk Island, Kodiak Island, etc.

I23K Minto, Yukon-K 24.74 47 P P 08 28 23.5 -0.3

Main table for 1354 (continued) with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes Happy Valley, Franklin Bluff, etc.

ILAR Eielson Array 25.78 48 P P 08 28 33.0 -0.3

Main table for 1354 (continued) with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes Burnt Mountain, Malcoim River, etc.

INK Inuvik 30.94 40 P P 08 29 19.4 +0.2

Main table for 1354 (continued) with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes WAKE ISLAND Hy, WAKE ISLAND Hy, etc.

SOMN Sogiono Array 36.05 284 P P 08 30 04.7 +0.6

Main table for 1354 (continued) with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes Yellowknife Ar, Yellowknife Ar, etc.

SPITS Spitsbergen Arr 45.90 351 P P 08 31 25.1 +0.5

Main table for 1354 (continued) with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes Kurchatov, Kurchatov Arr, etc.

KURB Kurchatov Arr 49.14 303 P P 08 31 49.8 -0.3

Main table for 1354 (continued) with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes Makanchi Array, Makanchi Array, etc.

BVAR Borovoye Array 51.36 310 P P 08 32 07.1 +0.2

Main table for 1354 (continued) with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes Mina Array Bea, Mina Array Bea, etc.

PDAR Piedade Array 54.45 65 P P 08 32 31.2 +1.2

Main table for 1354 (continued) with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes Ala-Archa, Aktyubinsk, etc.

CMAR Chiang Mai Arr 61.04 261 P P 08 33 17.2 +0.8

Main table for 1354 (continued) with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes Lajitas Array, Malin Array Bea, etc.

ASAR Alice Springs 82.40 208 P P 08 35 25.4 +0.9

Main table for 1354 (continued) with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes Sonseca Array, Sonseca Array, etc.

BUI 21 08:30:11.2, 5.49S, 152.48E, h17km, mb5.4/92, mb5.4/68, M5.5/96, M5.7/5.9/3

21d 8h

2018 DEC

1356

Table with multiple columns containing station codes (e.g., JNU, MAJO, KASJ), frequencies (e.g., 43.30 334), and various numerical values representing signal strength and other parameters. The table is organized into several vertical sections.

1357

Table with columns for station ID, name, frequency, and various signal quality metrics (e.g., pmax, LR, eP, eLR, P, S, Smax, smax, eP, eLR, P, S, Smax, smax, eP, eLR, P, S, Smax, smax).

2018 DEC

Table with columns for station ID, name, frequency, and various signal quality metrics (e.g., e, e'SS, sS, pmax, LR, eP, eLR, P, S, Smax, smax, eP, eLR, P, S, Smax, smax).

21d 8h

Table with columns for station ID, name, frequency, and various signal quality metrics (e.g., P, Pmax, IAMS_20, IAMS_20, P, Pmax, IAMS_20, IAMS_20, P, Pmax, IAMS_20, IAMS_20).

21d 8h

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like O22K Cooper Landing, RDQG Cooper Landing, and many others.

2018 DEC

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like UZB Uzynbulak, SCM Shear Creek Mo, and many others.

1358

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like L26K Log Cabin Wild, CTG Chitina Glacier, and many others.

Table with columns: Station, Elevation, Azimuth, Range, Azimuth Error, Range Error, Status, Date, Time, Azimuth Error, Range Error, Status. Includes stations like EGAK, HYT, P30M, F26K, BTLS, etc.

Table with columns: Station, Elevation, Azimuth, Range, Azimuth Error, Range Error, Status, Date, Time, Azimuth Error, Range Error, Status. Includes stations like S34M, F40R, IUG, IUG, etc.

Table with columns: Station, Elevation, Azimuth, Range, Azimuth Error, Range Error, Status, Date, Time, Azimuth Error, Range Error, Status. Includes stations like PFO, BMO, WCT, F10A, etc.

21d 8h

2018 DEC

1360

Table with columns: IATA, City, ICAO, Lat, Lon, Alt, Class, Status, Airline, Frequency, Remarks. Includes entries like N23A Red Feather La, ISCO Idaho Springs, SDCO Great Sand Dunes, etc.

Table with columns: IATA, City, ICAO, Lat, Lon, Alt, Class, Status, Airline, Frequency, Remarks. Includes entries like SFIN Lafayette, HUEH Huehuetenango, 146A Union, etc.

Table with columns: IATA, City, ICAO, Lat, Lon, Alt, Class, Status, Airline, Frequency, Remarks. Includes entries like LESA Schwarzeleotal, SABO M.te Sabotino, L61B Northampton, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like MJAR, D25K, J25K, E25K, etc.

IDC 21 09:06:00.4-0.9,55:03N;164:59E, h0km, mb3.9/14, mbtmp3.9/16, ML3.6/2, Error ellipse: s-maj=26.5km s-min=15.2km az=149.0

KRSC 21 09:06:00.4-1.4,54:75N;164:67E, h47km, mb3.2, ML4.2 NEIC 21 09:06:01.0-1.2,54:39N;164:65E, h0.2, h1km, 14km, mb4.2/4.4, Error ellipse: s-maj=26.8km s-min=4.7km

ISC 21 09:06:02.4-0.5,54:88N;163:46E, h0.02, h27km, n97, r139/79, mb4.1/32, Komandorsky Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Bering, Krutoberegovo, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like GRL, Apache, KDRTR, etc.

IDC 21 09:10:27.9-4.11,0,67:36N;40:37E, h0km, Error ellipse: s-maj=193.9km s-min=138.6km az=93.0, Baltic States-Belarus-Northwestern Russia

IDC 21 09:10:27.9-4.11,0,67:36N;40:37E, h0km, Error ellipse: s-maj=193.9km s-min=138.6km az=93.0, Baltic States-Belarus-Northwestern Russia

IDC 21 09:10:27.9-4.11,0,67:36N;40:37E, h0km, Error ellipse: s-maj=193.9km s-min=138.6km az=93.0, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like I37NO, I31ZK, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like PMG, WRA, ASAR, etc.

IDC 21 09:13:37.7-1.1,37:67N;20:49E, h0km, mb3.7/7, mbtmp3.6/11, ML3.7/3, Error ellipse: s-maj=20.8km s-min=19.5km az=90.0

TIR 21 09:13:38.7, 37:68N;20:73E, h20km, 1km, Md3.6, ML3.8 ATH 21 09:13:38.5, 37:59N;20:35E, h7km, 3km, ML3.5/8, Error ellipse: s-maj=3.3km s-min=0.8km az=29.0

THE 21 09:13:38.5, 37:59N;20:39E, h3km, 2km, ML3.8/6, Error ellipse: s-maj=3.1km s-min=0.7km az=6.0

ISC 21 09:13:40.2-1.2,37:64N;0:20.50E, h0.04, h15km, 7km, n50, r109/73, mb3.7/7, Ionian Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ORTH, I37NO, I43RU, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TSLK, ITM, PYL, EFP, KLV, ANX, GUR, KALE, SRN, LSK, SCTE, FNA, THE, VAY, VAY, IDI, MLR, GERES, ESDC, HFS, EKA, FINES, TORO, ARCES, MKAR, ZALV.

NEIC 21 09:19:33.4-0.9, 5.82S, 0.04, 153.1E, 0.1, h10km, 2km, mb4.3/10, Error ellipse: s-maj=22.6km s-min=6.0km az=96.0

IDC 21 09:19:37.0-1.5, 5.44S, 152.12E, h0km, mb4.0/8, mbtmp3.8/18, ML2.1/1, Error ellipse: s-maj=60.5km s-min=18.6km az=125.0

ISC 21 09:19:34.2-1.1, 5.81S, 0.10, 152.8E, 0.2, h10km, n25, 1163/24, mb4.1/13, New Britain region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like RABL, MANU, PMG, WB0, WRA, AS31, ASAR, FITZ, MORW, JNU, PHRA, CHTO, SONM, SML, MK31, IMAR, ILAR, KURBB, YKA, TORD.

WEL 21 09:20:21.1-0.6, 33.5S, 18.0E, 10, h33km, M4.7/6, mb4.9/2, ML4.9/12, ML4.7/6, Mw(mb)4.2/2, Error ellipse: s-maj=13.4km s-min=3.9km az=113.2, confirmed, South of Kermadec Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like GLKZ, MAZ, HAZ, HAZ, PUZ, OUZ, TKGZ, URZ, URZ.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like RIGZ, MUGZ, MUGZ, KNRZ, NMHZ, BKZ, BKZ, McNeill Hill, MCHZ, KAHZ, PXZ, PXZ, PNHZ, PNHZ, PRHZ, PRHZ, Takapari Road, NZB, NZB, MRZ, MRZ, NNZ, NNZ, QRZ, QRZ.

IDC 21 09:27:49.9-0.7, 5.541N, 164.27E, h0km, mb3.8/17, mbtmp3.8/18, ML3.1/1, Error ellipse: s-maj=26.5km s-min=12.5km az=157.0

KRSC 21 09:27:50.4-1.2, 5.517N, 164.43E, h51km, 32km, M4.4, NEIC 21 09:27:52.0-1.3, 5.554N, 0.2, 164.2E, 0.2, h10km, 2km, mb4.1/34, Error ellipse: s-maj=34.7km s-min=13.1km az=159.0

ISC 21 09:27:52.0-3.6, 5.523N, 0.05, 164.40E, 0.05, h17km, 23km, n89, 1124/104, mb4.0/28, Komandorsky Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BKI, BKI, KBTR, KBTR, KBG, KBG, KMG, KMG, SMKR, SMKR, KIRZ, KIRZ, BZP, BZP, BZMR, BZMR, KLY, KLY, KLR, KLR, KMRN, KMRN, TUMR, TUMR, KOZ, KOZ, KIRY, KIRY, KRR, KRR, ESO, ESO, SPN, SPN, SMAR, SMAR, KRER, KRER, KRER, KRER, UGLR, UGLR, UGLR, UGLR, KRX, KRX, AVH, AVH, KOK, KOK, DALK, DALK, DALK, DALK, PET, PET, PET, PET, GNL, GNL, OSSR, OSSR, KRMR, KRMR, RUS, RUS, RUS, RUS, PEAOB, PEAOB, PETK, PETK.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MTRV, MTRV, GRL, GRL, APC, APC, KDTR, KDTR, K13K, K13K, ANIM, ANIM, M13K, M13K, JKA, JKA, J14K, J14K, J14K, J14K, F15K, F15K, N15K, N15K, F17K, F17K, H17K, H17K, M16K, M16K, K17K, K17K, H18K, H18K, H18K, H18K, M17K, M17K, M17K, M17K, L18K, L18K, L18K, L18K, F19K, F19K, F19K, F19K, G19K, G19K, H19K, H19K, F20K, F20K, B20K, B20K, B20K, B20K, IMAR, IMAR, G21K, G21K, G21K, G21K, H21K, H21K, B21K, B21K, STLK, STLK, KDAK, KDAK, E22K, E22K, SUA, SUA, SUA, SUA, E23K, E23K, TOLK, TOLK, E24K, E24K, F24K, F24K, F24K, F24K, G24K, G24K.

IDC 21 09:32:32.4-2.1, 54.90N, 164.90E, h0km, mb3.1/4, mbtmp3.1/5, ML2.3/1, Error ellipse: s-maj=75.5km s-min=26.7km az=164.0

KRSC 21 09:32:33.7-1.4, 54.87N, 164.61E, h2km, 33km, M3.7, NEIC 21 09:32:36.7-0.9, 54.94N, 0.06, 164.74E, 0.04, h35km, n25, 1178/32, mb3.1/4, Komandorsky Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BKI, BKI, KBTR, KBTR, KBG, KBG, SMKR, SMKR, TUMR, TUMR, KMRN, KMRN, KIRZ, KIRZ, SPN, SPN, SMAR, SMAR, UGLR, UGLR, AVH, AVH, AVH, AVH, KRX, KRX, KOK, KOK, DALK, DALK, DALK, DALK.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ILAR, ILAR, MJAR, MJAR, E25K, E25K, N25K, N25K, INK, INK, DLBO, DLBO, H11N2, H11N2, H11N3, H11N3, H11N1, H11N1, SONM, SONM, YKA, YKA, KURBB, KURBB, MK31, MK31, MKAR, MKAR, NVAR, NVAR, ARTI, ARTI, PDAR, PDAR, PDAR, PDAR, ABKAR, ABKAR, CMAR, CMAR, TXAR, TXAR, WRA, WRA, ASAR, ASAR.

NEIC 21 09:31:56.4-2.4, 12.4S, 0.1, 167.0E, 0.2, h215km, 9km, mb4.2/17, Error ellipse: s-maj=25.0km s-min=16.4km az=91.0

IDC 21 09:32:00.3-13.0, 12.47S, 166.90E, h26km, 154km, mb3.2/5, mbtmp3.8/6, Error ellipse: s-maj=142.1km s-min=24.2km az=159.0

ISC 21 09:31:56.6-0.8, 12.38S, 0.1, 167.0E, 0.1, h220km, n29, 11508/29, mb4.0/12, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SANVU, SANVU, DZM, DZM, DZM, DZM, EIDS, EIDS, EIDS, EIDS, CTAO, CTAO, CTAO, CTAO, COEN, COEN, COEN, COEN, MRNZ, MRNZ, MSWZ, MSWZ, LTZ, LTZ, WB0, WB0, WRA, WRA, AS31, AS31, ASAR, ASAR, KNRA, KNRA, FITZ, FITZ, JMM, JMM, JMM, JMM, QSPA, QSPA, CAST, CAST, F17K, F17K, F17K, F17K, RND, RND, E19K, E19K, WRH, WRH, WRH, WRH, ILAR, ILAR, J25K, J25K, J25K, J25K, BMAR, BMAR, YKA, YKA.

IDC 21 09:32:42.2-1.4, 54.90N, 164.90E, h0km, mb3.1/4, mbtmp3.1/5, ML2.3/1, Error ellipse: s-maj=75.5km s-min=26.7km az=164.0

KRSC 21 09:32:33.7-1.4, 54.87N, 164.61E, h2km, 33km, M3.7, NEIC 21 09:32:36.7-0.9, 54.94N, 0.06, 164.74E, 0.04, h35km, n25, 1178/32, mb3.1/4, Komandorsky Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BKI, BKI, KBTR, KBTR, KBG, KBG, SMKR, SMKR, TUMR, TUMR, KMRN, KMRN, KIRZ, KIRZ, SPN, SPN, SMAR, SMAR, UGLR, UGLR, AVH, AVH, AVH, AVH, KRX, KRX, KOK, KOK, DALK, DALK, DALK, DALK.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GNLF Ganaly, PETK Petropavlovsk, MTVR Mutnovka, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CLDR Caldrian, BRDA Brd, ZRD Zard, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CO01 Juntas del Tor, DOCA Reserva Natura, GO03 Copiapo, etc.

ADC 21 09:34:59.3;999.0,53.04N,1.72E,h0km, Error ellipse: s-maj=702.4km s-min=246.5km az=44.0,North Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I37NO I37NO, I43RU DUBNA INFRASO, I31KZ AKTYUBINSK INF, etc.

SOME 21 09:38:36.5,40.87N,79.97E,h15km, KRNET 21 09:38:37.3,0.1,40.31N,79.32E,mb2.7, NNC 21 09:38:38.6,2.2,40.83N,80.18E,h0km,mb3.3,mpv2.9, Error ellipse: s-maj=21.9km s-min=14.4km az=113.0, ISC 21 09:38:37.5,3.0,40.77N,0.1x,80.08E,0.08,h13km,1.3km, n19,c1:169/37,12C-4D,Southern Xinjiang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SNQR Sonqor, Kerman, IDHR Dehrash, etc.

ADC 21 09:41:23.2,1.3,5.22S,151.87E,h0km,mb3.9/8, mbtmp3.9/9,ML2.1/1, Error ellipse: s-maj=55.7km s-min=19.3km az=122.0, ISC 21 09:41:28.5,1.3,5.53S,0.2x,151.9E,0.3,h35km,n10, c1:27/13,mb3.9/8,New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PMG Port Moresby, WRA Warramunga Arr, WRA Warramunga Arr, etc.

ADC 21 09:44:50.0;999.0,52.85N,0.89E,h0km, Error ellipse: s-maj=704.9km s-min=248.3km az=44.0,United Kingdom

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I37NO I37NO, I43RU DUBNA INFRASO, I31KZ AKTYUBINSK INF, etc.

ADC 21 09:50:33.7,3.1,54.21N,87.25E,h0km,mbtmp2.8/2, ML2.1/1, Error ellipse: s-maj=26.9km s-min=18.8km az=60.0,Southeastern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

ADC 21 10:19:07.6;1.5,55.24N,164.25E,h0km,mb3.4/5, mbtmp3.4/6,ML2.6/1,MS3.4/1, Error ellipse: s-maj=58.2km s-min=21.9km az=161.0, KRSC 21 10:19:08.5,1.0,55.19N,164.39E,h50km,27km,ML4.1, ISC 21 10:19:11.1,0.8,55.24N,164.44E,0.04,h27km,n32, c1:135/40,mb3.5/5,Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BKI Bering, KBTR Krutoberegovo, KBG Krutoberegovo, etc.

TEH 21 09:39:53.5,38.07N,46.44E,h5km,ML3.6, NSSP 21 09:39:54.5,38.12N,46.32E,h10km,MS3.5, NEIC 21 09:39:55.7,1.0,38.17N,47.07E,0.2,0.10,h10km,2km, ML3.4/12, Error ellipse: s-maj=13.7km s-min=11.8km az=60.0, AZER 21 09:39:55.2,38.05N,46.25E,h0km,mb3.5, ISC 21 09:39:54.1,1.2,38.08N,0.03,46.41E,0.02,h1km,10km, n59,c1:180/92,4C,Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TARG Taragay, PRZ Przheval'sk, SHLS Shalkode, etc.

ADC 21 09:56:17.2,0.6,28.74S,104.67W,h63km,mb3.2/2, mbtmp3.5/6,ML3.3/4,MS4.2/1, Error ellipse: s-maj=37.9km s-min=27.3km az=106.0, SJA 21 09:56:17.2,0.6,28.74S,67.51W,h154km,6km,ML3.6, MW3.7, ISC 21 09:56:18.5,0.8,28.69S,104.67W,0.05,h150km,n35, c1:178/47,2C,La Rioja Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

ADC 21 10:28:2.2,2.246N,93.49E,h0km,mb3.5/4, mbtmp3.5/4, Error ellipse: s-maj=96.2km s-min=24.2km az=60.0,Myanmar-India border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, MKAR Makanchi Array, NVAR Mina Array Bea, etc.

ADC 21 09:39:53.5,38.07N,46.44E,h5km,ML3.6, NSSP 21 09:39:54.5,38.12N,46.32E,h10km,MS3.5, NEIC 21 09:39:55.7,1.0,38.17N,47.07E,0.2,0.10,h10km,2km, ML3.4/12, Error ellipse: s-maj=13.7km s-min=11.8km az=60.0, AZER 21 09:39:55.2,38.05N,46.25E,h0km,mb3.5, ISC 21 09:39:54.1,1.2,38.08N,0.03,46.41E,0.02,h1km,10km, n59,c1:180/92,4C,Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TARG Taragay, PRZ Przheval'sk, SHLS Shalkode, etc.

ADC 21 09:50:33.7,3.1,54.21N,87.25E,h0km,mbtmp2.8/2, ML2.1/1, Error ellipse: s-maj=26.9km s-min=18.8km az=60.0,Southeastern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

ADC 21 10:28:2.2,2.246N,93.49E,h0km,mb3.5/4, mbtmp3.5/4, Error ellipse: s-maj=96.2km s-min=24.2km az=60.0,Myanmar-India border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, MKAR Makanchi Array, NVAR Mina Array Bea, etc.

ADC 21 09:39:53.5,38.07N,46.44E,h5km,ML3.6, NSSP 21 09:39:54.5,38.12N,46.32E,h10km,MS3.5, NEIC 21 09:39:55.7,1.0,38.17N,47.07E,0.2,0.10,h10km,2km, ML3.4/12, Error ellipse: s-maj=13.7km s-min=11.8km az=60.0, AZER 21 09:39:55.2,38.05N,46.25E,h0km,mb3.5, ISC 21 09:39:54.1,1.2,38.08N,0.03,46.41E,0.02,h1km,10km, n59,c1:180/92,4C,Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TARG Taragay, PRZ Przheval'sk, SHLS Shalkode, etc.

ADC 21 09:50:33.7,3.1,54.21N,87.25E,h0km,mbtmp2.8/2, ML2.1/1, Error ellipse: s-maj=26.9km s-min=18.8km az=60.0,Southeastern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

ADC 21 10:28:2.2,2.246N,93.49E,h0km,mb3.5/4, mbtmp3.5/4, Error ellipse: s-maj=96.2km s-min=24.2km az=60.0,Myanmar-India border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, MKAR Makanchi Array, NVAR Mina Array Bea, etc.

ADC 21 09:39:53.5,38.07N,46.44E,h5km,ML3.6, NSSP 21 09:39:54.5,38.12N,46.32E,h10km,MS3.5, NEIC 21 09:39:55.7,1.0,38.17N,47.07E,0.2,0.10,h10km,2km, ML3.4/12, Error ellipse: s-maj=13.7km s-min=11.8km az=60.0, AZER 21 09:39:55.2,38.05N,46.25E,h0km,mb3.5, ISC 21 09:39:54.1,1.2,38.08N,0.03,46.41E,0.02,h1km,10km, n59,c1:180/92,4C,Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TARG Taragay, PRZ Przheval'sk, SHLS Shalkode, etc.

ADC 21 09:50:33.7,3.1,54.21N,87.25E,h0km,mbtmp2.8/2, ML2.1/1, Error ellipse: s-maj=26.9km s-min=18.8km az=60.0,Southeastern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

ADC 21 10:28:2.2,2.246N,93.49E,h0km,mb3.5/4, mbtmp3.5/4, Error ellipse: s-maj=96.2km s-min=24.2km az=60.0,Myanmar-India border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, MKAR Makanchi Array, NVAR Mina Array Bea, etc.

ADC 21 09:39:53.5,38.07N,46.44E,h5km,ML3.6, NSSP 21 09:39:54.5,38.12N,46.32E,h10km,MS3.5, NEIC 21 09:39:55.7,1.0,38.17N,47.07E,0.2,0.10,h10km,2km, ML3.4/12, Error ellipse: s-maj=13.7km s-min=11.8km az=60.0, AZER 21 09:39:55.2,38.05N,46.25E,h0km,mb3.5, ISC 21 09:39:54.1,1.2,38.08N,0.03,46.41E,0.02,h1km,10km, n59,c1:180/92,4C,Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TARG Taragay, PRZ Przheval'sk, SHLS Shalkode, etc.

ADC 21 09:50:33.7,3.1,54.21N,87.25E,h0km,mbtmp2.8/2, ML2.1/1, Error ellipse: s-maj=26.9km s-min=18.8km az=60.0,Southeastern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

ADC 21 10:28:2.2,2.246N,93.49E,h0km,mb3.5/4, mbtmp3.5/4, Error ellipse: s-maj=96.2km s-min=24.2km az=60.0,Myanmar-India border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, MKAR Makanchi Array, NVAR Mina Array Bea, etc.

ADC 21 09:39:53.5,38.07N,46.44E,h5km,ML3.6, NSSP 21 09:39:54.5,38.12N,46.32E,h10km,MS3.5, NEIC 21 09:39:55.7,1.0,38.17N,47.07E,0.2,0.10,h10km,2km, ML3.4/12, Error ellipse: s-maj=13.7km s-min=11.8km az=60.0, AZER 21 09:39:55.2,38.05N,46.25E,h0km,mb3.5, ISC 21 09:39:54.1,1.2,38.08N,0.03,46.41E,0.02,h1km,10km, n59,c1:180/92,4C,Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TARG Taragay, PRZ Przheval'sk, SHLS Shalkode, etc.

ADC 21 09:50:33.7,3.1,54.21N,87.25E,h0km,mbtmp2.8/2, ML2.1/1, Error ellipse: s-maj=26.9km s-min=18.8km az=60.0,Southeastern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

ADC 21 10:28:2.2,2.246N,93.49E,h0km,mb3.5/4, mbtmp3.5/4, Error ellipse: s-maj=96.2km s-min=24.2km az=60.0,Myanmar-India border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, MKAR Makanchi Array, NVAR Mina Array Bea, etc.

ADC 21 09:39:53.5,38.07N,46.44E,h5km,ML3.6, NSSP 21 09:39:54.5,38.12N,46.32E,h10km,MS3.5, NEIC 21 09:39:55.7,1.0,38.17N,47.07E,0.2,0.10,h10km,2km, ML3.4/12, Error ellipse: s-maj=13.7km s-min=11.8km az=60.0, AZER 21 09:39:55.2,38.05N,46.25E,h0km,mb3.5, ISC 21 09:39:54.1,1.2,38.08N,0.03,46.41E,0.02,h1km,10km, n59,c1:180/92,4C,Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TARG Taragay, PRZ Przheval'sk, SHLS Shalkode, etc.

ADC 21 09:50:33.7,3.1,54.21N,87.25E,h0km,mbtmp2.8/2, ML2.1/1, Error ellipse: s-maj=26.9km s-min=18.8km az=60.0,Southeastern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

ADC 21 10:28:2.2,2.246N,93.49E,h0km,mb3.5/4, mbtmp3.5/4, Error ellipse: s-maj=96.2km s-min=24.2km az=60.0,Myanmar-India border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, MKAR Makanchi Array, NVAR Mina Array Bea, etc.

ADC 21 09:39:53.5,38.07N,46.44E,h5km,ML3.6, NSSP 21 09:39:54.5,38.12N,46.32E,h10km,MS3.5, NEIC 21 09:39:55.7,1.0,38.17N,47.07E,0.2,0.10,h10km,2km, ML3.4/12, Error ellipse: s-maj=13.7km s-min=11.8km az=60.0, AZER 21 09:39:55.2,38.05N,46.25E,h0km,mb3.5, ISC 21 09:39:54.1,1.2,38.08N,0.03,46.41E,0.02,h1km,10km, n59,c1:180/92,4C,Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TARG Taragay, PRZ Przheval'sk, SHLS Shalkode, etc.

ADC 21 09:50:33.7,3.1,54.21N,87.25E,h0km,mbtmp2.8/2, ML2.1/1, Error ellipse: s-maj=26.9km s-min=18.8km az=60.0,Southeastern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

ADC 21 10:28:2.2,2.246N,93.49E,h0km,mb3.5/4, mbtmp3.5/4, Error ellipse: s-maj=96.2km s-min=24.2km az=60.0,Myanmar-India border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, MKAR Makanchi Array, NVAR Mina Array Bea, etc.

ADC 21 09:39:53.5,38.07N,46.44E,h5km,ML3.6, NSSP 21 09:39:54.5,38.12N,46.32E,h10km,MS3.5, NEIC 21 09:39:55.7,1.0,38.17N,47.07E,0.2,0.10,h10km,2km, ML3.4/12, Error ellipse: s-maj=13.7km s-min=11.8km az=60.0, AZER 21 09:39:55.2,38.05N,46.25E,h0km,mb3.5, ISC 21 09:39:54.1,1.2,38.08N,0.03,46.41E,0.02,h1km,10km, n59,c1:180/92,4C,Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TARG Taragay, PRZ Przheval'sk, SHLS Shalkode, etc.

ADC 21 09:50:33.7,3.1,54.21N,87.25E,h0km,mbtmp2.8/2, ML2.1/1, Error ellipse: s-maj=26.9km s-min=18.8km az=60.0,Southeastern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

ADC 21 10:28:2.2,2.246N,93.49E,h0km,mb3.5/4, mbtmp3.5/4, Error ellipse: s-maj=96.2km s-min=24.2km az=60.0,Myanmar-India border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, MKAR Makanchi Array, NVAR Mina Array Bea, etc.

Table with columns: WRA, Warramunga Arr, 59.51 134 P, P, 10 30 33.3 -0.2, ASAR, Alice Springs, 61.95 138 P, P, 10 30 50.1 +0.1

IDC 21 10:27:02.2, 1.3, 64.67N:31.34E, h0km, mbmp3.0/4, ML2.0/4, Error ellipse: s-maj=45.8km s-min=10.9km az=100.0

HEL 21 10:27:02.8, 0.2, 64.70N:30.64E, h0km, ML2.0, Suspected explosion

UPP 21 10:27:03.1, 3.6, 64.53N:30.60E, h0km, ML1.8, KOLA 21 10:27:06.5, 64.81N:30.89E, h0km, ML2.3, Error ellipse: s-maj=23.1km s-min=10.9km az=170.0, Kostomuksha, Karelia

ISC 21 10:27:03.0, 0.9, 64.73N:0.02, 30.56E:0.05, h0km, m52, n1534/74, Finland-Karelia border region

Main table for 21d 10h section, listing station names, coordinates, and various parameters like Op, P, S, Res, etc.

IDC 21 10:28:01.5, 1.7, 54.93N:164.11E, h0km, mb3.4/3, mbmp3.3/4, ML2.4/1, MS3.2/1, Error ellipse: s-maj=69.9km s-min=23.2km az=163.0

KRSC 21 10:28:01.8, 1.5, 54.76N:164.38E, h43km, 36km, ML3.7, ISC 21 10:28:03.0, 0.2, 54.79N:0.05, 164.44E:0.05, h22km, n29, r159/42, mb3.3/3, Komandorsky Islands region

Table for 21d 10h section, listing station names like BKI, KBTR, KBG, SMKR, etc.

Table for 2018 DEC section, listing station names like KMNK, KMNRR, KIRRR, etc.

IDC 21 10:31:20.3, 2.0, 54.79N:164.61E, h0km, mb3.1/3, mbmp3.1/4, ML2.1/1, Error ellipse: s-maj=126.7km s-min=26.0km az=154.0, Komandorsky Islands region

Table for 2018 DEC section, listing station names like PETK, ILAR, YKA, etc.

IDC 21 10:43:52.0, 4.0, 8.31S:116.63E, h0km, mb4.7/26, mbmp4.8/30, ML4.9/4, MS4.3/51, Error ellipse: s-maj=16.0km s-min=10.0km az=66.0

MOS 21 10:43:53.4, 1.0, 8.25S:116.77E, h17km, mb5.3/50, Error ellipse: s-maj=9.3km s-min=5.3km az=115.7

DJA 21 10:43:55.9, 0.3, 8.1S:117.11E, h13km, 2km, M5.0/97, mb5.9/97, mb5.5/61, MLV5.5/36, Mw4.9/129, Mw(mj)5.0/61, Mw(m)5.9/97, Mw(m)5.1/9

NEIC 21 10:43:55.4, 2.1, 5S:116.69E, h30km, Moment Tensor Solution. Duration: 159 Moment tensor: Scale 10^10Nm; M3:3.75; Mw:3.87; Mw0:1.02; Mw1:2.85; Mw2:0.03; Mw3:1.24; Fault plane solution: M=4.92000x10^16 NP1: 0.255, 48000; 64.82000; 1.77.60000. NP2: 0.102, 81000; 82.7.89000; 1.14.55000. Principal axes: T 4.9786, Plg68.0000, Azm142.0000; N -0.1267, Plg11.0000, Azm261.0000; P -4.8519, Plg19.0000, Azm355.0000

NEIC 21 10:43:55.4, 8.31S:116.79E, h30km, TWSI 21 10:43:55.4, 1.8, 8.31S:0.07, 116.79E:0.06, h10km, 1km, mb5.4/86, Mw5.1/23, Error ellipse: s-maj=11.0km s-min=9.4km az=160.0

GCMT 21 10:43:56.4, 0.2, 8.28S:0.02, 116.71E:0.02, h24km, 1km, MW5.1/94, Moment Tensor Solution, s59.c73; s94.c147; Duration: 0 Moment tensor: Scale 10^10Nm; M3:0.51; Mw:1.66; Mw0:1.23; Best double couple: M=4.86900x10^16 NP1: 0.243, 00000; 66.7.00000; 1.79.00000. NP2: 0.90.00000; 82.5.00000; 1.14.00000. Principal axes: T 4.4930, Plg66.0000, Azm134.0000; N 0.7480, Plg10.0000, Azm247.0000; P -5.2440, Plg22.0000, Azm341.0000; n1a2 refers to body waves, cutoff=40s. n1a2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 21 10:43:55.9, 0.5, 8.32S:0.03, 116.79E:0.03, h19km, 1km, h19km; pp-P, n542, r172/543, mb5.2/132, MS4.4/69, 17C-14D, Sumbawa region

Main table for 2018 DEC section, listing station names like TWSI, PLAI, DNP, etc.

Main table for 2018 DEC section, listing station names like BATI, KDI, SOEI, etc.

1367

Table with columns for station ID, name, coordinates, and status. Includes stations like AS31 Alice Springs, ASAR Alice Springs, ASAR Kambalda, etc.

2018 DEC

Table with columns for station ID, name, coordinates, and status. Includes stations like PZH PanZhiHua, PZH comp=Z,30nm,1.2s, PZH comp=Z,130nm,4.2s, etc.

21d 10h

Table with columns for station ID, name, coordinates, and status. Includes stations like INU comp=Z,18nm,0.9s, INU Inuyama, INU Kuroka, etc.

21d 10h

Table with columns: SONM, description, LR, LR, 11 19 38.5, and various numerical values. Includes entries like DCZ Deep Cove, JKA HIA, and HAZ ZSN.

2018 DEC

Table with columns: ZSN, Zaisan, 62.32 336, eP, pmax, 10 54 16.7 -0.3, and various numerical values. Includes entries like ZEA Zeya, MAZ Makanchi, and AKTO Aktyubinsk.

1368

Table with columns: KMBO, Kilima Mbogo, 79.48 270, P, P, 10 56 00.3 -2.0, and various numerical values. Includes entries like KMBO Kilima Mbogo, NRIK Nori'sk, and AKB Malin Aray.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like E22K, ILAR, YKA, TORD, etc.

IDC 21 10:49:59.94.5, 54.04'N, 164.82'E, h0km, mb3.2/2, mbmtmp3.2/3, ML2.2/1, Error ellipse: s-maj=176.2km s-min=25.8km az=159.0, Komandorsky Islands region

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

IDC 21 10:52:15.31.8, 55.13'N, 164.30'E, h0km, mb3.4/3, mbmtmp3.5/4, ML3.2/1, Error ellipse: s-maj=107.6km s-min=30.2km az=149.0

KRSC 21 10:52:16.31.1, 54.75'N, 164.41'E, h41km, mb3.0, ML4.2, IDC 21 10:52:18.2.0.5, 43.83'N, 164.51'E, 0.05, h27km, n32, r=124/45, mb3.4/3, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BKI, KBTR, YKA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TNOU, WNF, YJNG, etc.

IDC 21 11:00:33.4.1.7, 54.98'N, 164.66'E, h0km, mb3.6/4, mbmtmp3.5/5, ML2.3/1, Error ellipse: s-maj=64.7km s-min=21.3km az=162.0

KRSC 21 11:00:34.6.1.2, 54.86'N, 164.72'E, h49km, mb3.0, ML3.8, IDC 21 11:00:36.6.1.2, 54.94'N, 164.77'E, 0.04, h24km, 17km, n28, r=117/36, mb3.6/4, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BKI, KBTR, YKA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KRMR, RUS, PETK, etc.

UCR 21 11:06:58.4.0.7, 10.11'N, 86.00'W, h6km, 8km, MW3.7, NEIC 21 11:06:59.3.0.2, 10.19'N, 85.85'W, 0.04, h10km, 2km, ML2.9/8, Error ellipse: s-maj=7.0km s-min=3.3km az=251.0

ISC 21 11:06:58.5.2.8, 10.15'N, 86.00'W, 0.1, h5km, 13km, n22, r=673/36, Costa Rica

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SACU, SACU, DELF, etc.

THE 21 11:11:30.4.37, 41'N, 20'64'E, h2km, 1km, ML2.6/5, Error ellipse: s-maj=2.7km s-min=1.0km az=56.0

ATH 21 11:11:31.6, 37'52'N, 20'70'E, h17km, 5km, ML2.5/5, Manual Solution by A. Moschou First location: 2018/12/21 11:11:54, This location: 2019/02/15 11:22:24 ML

Amplitudes are expressed in micrometers. All distances are expressed in degrees Latitude uncertainty: 6 km; Longitude uncertainty: 4 km

ISC 21 11:11:30.0.1.8, 37.42'N, 20.05, 20.65'E, 0.05, h4km, 11km, n20, r=59/37, Ionian Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LTHK, KYPS, ORTH, etc.

IDC 21 11:20:07.2.0.9, 12.91'S, 45.47'E, h0km, mb3.7/6, mbmtmp3.7/6, ML5.1/1, Error ellipse: s-maj=28.6km s-min=26.7km az=91.0

NEIC 21 11:20:08.2.1.8, 12.90'S, 0.09, 45.37'E, 0.07, h10km, 1km, mb4.3/7, Error ellipse: s-maj=15.6km s-min=11.5km az=161.0

ISC 21 11:20:07.0.7, 12.96'S, 0.08, 45.37'E, 0.1, h10km, n22, r=1927/23, mb3.9/9, Northwest of Madagascar

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like OPO, ABO, FOMA, etc.

21d 12h

2018 DEC

1372

Table with columns for station codes, names, coordinates, and various performance metrics. The table is organized into multiple columns, with station information on the left and performance data on the right. It includes various call signs and technical specifications for each station.

1373

Table with columns for station ID, name, and various numerical values. Includes entries like GAMB Gambell, O14K Tigyuakuiwet M, M13K Dall Lake, etc.

2018 DEC

Table with columns for station ID, name, and various numerical values. Includes entries like ZSN Zaisan, ZSN ZSN, BRSE Bradley Lake S, SPCR Spurr Chakacha, etc.

21d 12h

Table with columns for station ID, name, and various numerical values. Includes entries like KAIM Kayak Island, KLU Klutina, SATY Saty, etc.

21d 12h

2018 DEC

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like UCH, QSPA, FRU1, D24K, AAK, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like KBL, P33M, EPYK, S34M, F40M, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MNK, AKAS, BRTR, L44A, HFS, NB2, NOA, O48B, BOSA, PLCA, etc.

AEIC 21:42:00.7, 1.2, 2.61, 37N, 0.02, 150, 11W, 0.03, h19km, 6km, Error ellipse = s-maj=3.2km s-min=1.7km az=199.0 NEIC 21:42:00.3, 1.6, 6.142N, 0.03, 149.97W, 0.04, h42km, 7km, ML3.2, 0(AEIC), Error ellipse = s-maj=4.6km s-min=2.9km az=179.0, Southern Alaska

Table with columns: Station Name, Code, Station Name, Az, Az', Phase ID, Time Res, h m s, IASC. Includes stations like Palmer, Glory Hole Cre, Knik Glacier, Captain Cook N Sawmill, Styx River, etc.

Table with columns: Station Name, Code, Station Name, Az, Az', Phase ID, Time Res, h m s, IASC. Includes stations like Green Lake, Matakaoa Point, Urewera, etc.

Table with columns: Station Name, Code, Station Name, Az, Az', Phase ID, Time Res, h m s, IASC. Includes stations like Llanos de Chal, IPOC Station P, etc.

21d 13h

Table of satellite data for the 21d 13h period, listing station names, coordinates, and various parameters.

2018 DEC

Main table of satellite data for December 2018, including station names, coordinates, and parameters.

1376

Table of satellite data for the 1376 period, listing station names, coordinates, and parameters.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other technical details for stations 1377.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other technical details for stations 2018 DEC.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other technical details for stations 21d 13h.

21d 14h

2018 DEC

1378

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual. Includes stations like Kaweka Forest, Tory Channel, Naumai, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual. Includes stations like B21K, GSPA, IL31, ILAR, D23K, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual. Includes stations like MCHZ, TSZ, BKZ, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, ISC. Includes stations like KMPM, JCC, KRCM, KRPM, KHMM, KRMB, KMRM, KBO, KSBX, KCPM, KCPM, L02F, L02F, K02Z, K02Z, O02D, M04A, BUCK, BUCK, I04A, I04A, J05D, PINE, SAO, HOOD, BBGB, PMPB, I04A, WVOR, LON, G08A, BMO, I04A, B08A.

SDD 21 14:33:26.2,2.5, 19.52N;69.81W, h18km, 10km, MD2.8, ML2.8, MW3.1
OSPL 21 14:33:27.1,2.2, 19.58N;69.82W, h0km, 17km, ML2.6, n28, c1979/49, Dominican Republic region

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, ISC. Includes stations like LONA1, LONA1, NADR, NADR, CADR, CADR, DR08, DR08, SMDR, SMDR, HATOM, HATOM, MIDR, MIDR, ABDR, ABDR, BANI, BANI, HIDR, HIDR, SDDR, SDDR, PCDR, PCDR, MCDR, MCDR, LONE3, LONE3, PODR, PODR, LODU1, LODU1, LOVI, GRTK, GRTK, GRTK, GRTK.

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, ISC. Includes stations like GRTK, LOBH, LOBH, CRPR, CRPR, CRPR, CRPR, MLPR, MLPR, AOPR, AOPR, AOPR, AOPR, CELP, CELP, CELP, CELP.

IDC 21 14:38:27.0, 1.0, 54.82N; 164.187E, h0km, mb3.7/12, mbmp3.8/14, ML3.3, 1/2, MS3.4/13, Error ellipse: s-maj=35.2km s-min=13.8km az=155.0
KRSC 21 14:38:28.1, 1.3, 54.81N; 164.171E, h49km, mb3km, ML4.3, NEIC 21 14:38:29.2, 2.7, 54.81N; 164.171E, h0.2, h10km, mb4.3, mb4=137.2, Error ellipse: s-maj=26.9km s-min=14.2km

ISC 21 14:38:29.7, 1.7, 54.83N; 164.74E, h15km, 12km, n87, c1922/85, mb4.0/23, MS3.5/8, Komandorski Islands region

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, ISC. Includes stations like BKI, Bering, BKI, Bering, KBTR, Krutoberegovo, KBTR, Krutoberegovo, BZP, BZP, BZM, BZM, TUMR, TUMR, KMINR, KMINR, KIRIR, KIRIR, KIRIR, KIRIR, KLY, KLY, KOZ, KOZ, KOZ, KOZ, SPN, SPN, NLC, NLC, ESO, ESO, SMAR, SMAR, UGLR, UGLR, UGLR, UGLR, AVH, AVH, AVH, AVH, KRX, KRX, KOK, KOK, DALK, DALK, DALK, DALK, PET, PET, PET, PET, GNL, GNL, GRM, GRM, KMRM, KMRM, RUS, RUS, PEAOB, PEAOB, PETK, PETK, PETK, PETK.

PETK 1.8nm, 0.3s, baz=71, slow=28, SNR=4.8
PETK 2.2nm, 0.3s, baz=70, slow=17, SNR=5.1

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, ISC. Includes stations like MTRV, MTRV, GRL, GRL, APC, APC, SH2, SH2, BILL, BILL, ASAJ, ASAJ, F15K, F15K, K15K, K15K, ERM, ERM, Y16K, Y16K, YAK, YAK, H17K, H17K, H17K, H17K, J17K, J17K, J17K, J17K, K17K, K17K, M17K, M17K, G18K, G18K, J18K, J18K, F19K, F19K, H19K, H19K, J19K, J19K, E19K, E19K, J20K, J20K, J20K, J20K, B20K, B20K, B20K, B20K, TIXI, TIXI, IMAR, IMAR, G21K, G21K, USRK, USRK, KDAK, KDAK, BPWA, BPWA, E22K, E22K, I23K, I23K, E24K, E24K, E24K, E24K, F24K, F24K, F24K, F24K, IL31, IL31, ILAR, ILAR, G21K, G21K, G21K, G21K, MJB9, MJB9, MAJO, MAJO, MJAR, MJAR.

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, ISC. Includes stations like BMAR, BMAR, KRSR, KRSR, INK, INK, H11N2, H11N2, H11N3, H11N3, H11N1, H11N1, SONM, SONM, YKA, YKA, NEW, NEW, KURB, KURB, MK31, MK31, MKAR, MKAR, BVAR, BVAR, BVAR, BVAR, PDAR, PDAR, ABKAR, ABKAR, BELG, BELG, CMAR, CMAR, NOA, NOA, GNI, GNI, MMAI, MMAI, QSPA, QSPA.

IDC 21 14:45:20.0, 0.6, 2.85S; 138.45E, h0km, mb4.0/8, mbmp4.2/12, ML4.4/4, MS3.7/27, Error ellipse: s-maj=15.6km s-min=14.5km az=30.0
NEIC 21 14:45:21.5, 1.7, 2.84S; 0.07, 138.33E, h10km, 1km, mb4=759, Error ellipse: s-maj=12.5km s-min=8.7km az=338.0

DJA 21 14:45:25.2, 0.6, 3.2S; 133.8E, h11km, 5km, M4.8/26, mb5=477, mb4=926, ML4.7/11, MW(MB)4.8/7
ISC 21 14:45:27.0, 3.2, 2.94S; 0.04, 138.35E, h10km, n155, c2510/137, mb4.6/40, MS3.8/21, 2C, Irian Jaya region

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, ISC. Includes stations like SMPI, SMPI, SMPI, SMPI, GENI, GENI, SRPI, SRPI, JAY, JAY, JAY, JAY, JAY, JAY, BAKI, BAKI, RKPI, RKPI, MMPI, MMPI, FAKI, FAKI, FAKI, FAKI, SWI, SWI, SAUI, SAUI, MANU, MANU, MASO, MASO, PMG, PMG, PMG, PMG, KDU, KDU, FATI, FATI, COEN, COEN, COEN, COEN, MNTN, MNTN, MNTN, MNTN, SANI, SANI, KMSI, KMSI, SOEI, SOEI, SOEI, SOEI, LUWI, LUWI, LUWI, LUWI, KNRA, KNRA, KNRA, KNRA, BBSI, BBSI, DAV, DAV, MTSU, MTSU, BATI, BATI, BATI, BATI, WRAB, WRAB, WRAB, WRAB, WRA, WRA, WRA, WRA, GIMO, GIMO, GIMO, GIMO, TOL2, TOL2, TOL2, TOL2, TVIH, TVIH, BKSI, BKSI, KAPI, KAPI, CTA, CTA, CTA, CTA, CTA, CTA, FITZ, FITZ, FITZ, FITZ.

21d 15h

Table of astronomical observations for 21d 15h, listing station names, coordinates, and observation details.

2018 DEC

Main table of astronomical observations for 2018 DEC, including station names, coordinates, and observation details.

1380

Table of astronomical observations for 1380, listing station names, coordinates, and observation details.

21d 15h

Table with columns for station ID, name, elevation, distance, direction, and other metrics. Includes stations like G21K Allakaket, HEH HeiHe, F21K Alaina River, etc.

2018 DEC

Table with columns for station ID, name, elevation, distance, direction, and other metrics. Includes stations like M23K Glacier View, G24K Hadweencic Riv, D25K Kavik River, etc.

1382

Table with columns for station ID, name, elevation, distance, direction, and other metrics. Includes stations like N30M Aishkikik Lake, KS19 Wouju Array Si, G31M Satah River, etc.

21d 16h

Table with columns for station ID, name, elevation, and various performance metrics. Includes stations like Nikolayevsk, Saint George I, Gambell, Uglejorsk, etc.

2018 DEC

Table with columns for station ID, name, elevation, and various performance metrics. Includes stations like Kokwok River B, Tukpahearik C, Ternei, etc.

1386

Table with columns for station ID, name, elevation, and various performance metrics. Includes stations like Oil Pt, Sitkanak Island, Allakaket, etc.

1387

2018 DEC

21d 16h

Table with columns for station code, name, elevation, distance, bearing, speed, and other parameters. Includes stations like SML Sawmill, MSHR Myls ShuIta, E24K Your Creek, etc.

Table with columns for station code, name, elevation, distance, bearing, speed, and other parameters. Includes stations like M26K Nabesna, AK, CN2 Changchun, CN2, MCARA McCarthy VSAT, etc.

Table with columns for station code, name, elevation, distance, bearing, speed, and other parameters. Includes stations like P32M Atlin, R32K Eaglecrest, SIT Sitka, etc.

21d 16h

Table with columns for station name, frequency, power, and other technical details. Includes stations like OZUR, CJR, CJR, COVR, CKRC, CKRC, CKRC, etc.

2018 DEC

Table with columns for station name, frequency, power, and other technical details. Includes stations like HAPS, BBSL, PGB, KIRS, MDSI, AOSQ, SISI, etc.

1390

Table with columns for station name, frequency, power, and other technical details. Includes stations like RAYN, PESTR, EVO, PBAR, PBAR, KEST, etc.

IDC 21:16:48:09.91.5, 2.55:01N: 143:06E, h0km, mb3.7/11, mbtm3.7/11, Error ellipse: s-maj=56.8km s-min=20.2km az=81.0

ISC 21:16:48:14.9.1.5, 2.55:1N: 0.1x143:1E:0.3, h35km, m13, c142/15, mb3.8/11, Volcano Islands region

Table with columns for Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JCJ, USKR, USKR, etc.

KRSC 21:16:51:42.0.1.0, 54:86N:164:71E, h47km, 27km, M13.7, IDC 21:16:51:42.2.1.3, 55:27N: 164:49E, h0km, mb3.6/9, mbtm3.6/10, M13.2/1. Error ellipse: s-maj=38.5km s-min=19.3km az=150.0

ISC 21:16:51:43.0.2.0, 54:96N:164:67E:0.06, h11km, 14km, n35, c139/41, mb3.7/9, Komandorski Islands region

Table with columns for Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BKI, BKR, BKR, etc.

21d 17h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Port Moresby, Charters Tower, Mount Isa, Eidsvold, Kakadu, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Stephens Creek, Vanda, Cape Leeuwin, etc.

2018 DEC

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CROZET ISLANDS, PETK, ILAR, INK, WAKE ISLAND, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AVT- Monte Val, Scheggia e Pas, Monte Urbino, etc.

1392

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AVT- Monte Val, Scheggia e Pas, Monte Urbino, etc.

21d 17h

Table with columns: CIMO, AML, Pn, P, Sg, etc. listing various stations and their parameters.

2018 DEC

Main table with columns: UBR, LPGA, LPL, LRL, etc. listing stations and their parameters.

1394

Table with columns: Code, Station Name, A, Z, Op, Phase ID, etc. listing stations and their parameters.

1395

Table with columns: Code, Station Name, Δ, AZ, Op, ISC, h, m, s, ISC, Time, Res. Includes entries like HHN, M63A, M63A, M63A, etc.

IDC 21 18:03:38.7±7.5, 26.99N±144.09E, h0km, mb3.4/4, mbtmp3.4/5, ML3.1/1, Error ellipse: s-maj=289.5km, s-min=31.0km az=76.0, Bonin Islands region

Table with columns: Code, Station Name, Δ, AZ, Op, ISC, h, m, s, ISC, Time, Res. Includes entries like MJAR, WRA, MKAR, KURBB, BVAR.

BJJ 21 18:19:33.0, 55.10N, 164.60E, h10km, mb5.0/81, MB5.2/61, MS5.8/90, Ms7.5/589

IDC 21 18:19:34.0±0.4, 55.33N, 164.49E, h0km, mb4.9/44, mbtmp4.9/49, ML5.1/5, MS4.9/85, Error ellipse: s-maj=9.6km s-min=8.5km az=168.0

KRSC 21 18:19:35.4±1.4, 55.23N, 164.47E, h59km±26km, Mc5.8, Ms6.8

NEIC 21 18:19:36.1±1.3, 55.26N, 164.5E, h18km, mb5.0/394, Ms 20.5, 1/304, Mw5.6/39, Mw5.5/39, Error ellipse: s-maj=10.9km s-min=9.1km az=171.0, Moment Tensor Solution. Moment tensor: Scale 10^17Nm; Mn=0.45, Mw=2.37, Mx=0.92, My=0.29, Mz=1.60; Mo=0.10; Fault plane solution: M2-72000x10^17 NPI; P: ϕ=333.41000°, δ83.33000°, λ179.19000°. NP2: ϕ=63.50000°, δ89.20000°, λ6.67000°. Principal axes: T 2.4666, Plg5.0000, Azm289.0000; N 0.4541, Plg83.0000, Azm70.0000; P -2.9207, Plg4.0000, Azm198.0000

NEIC 21 18:19:36.2, 55.27N, 164.45E, h20km, Moment Tensor Solution. Duration: 360 Moment tensor: Scale 10^17Nm; Mn=0.61, Mw=1.80, Mx=2.41, My=0.66, Mz=1.24, Mo=0.43; Fault plane solution: M2.58000x10^17 NPI; P: ϕ=238.62000°, δ84.53000°, λ-19.71000°. NP2: ϕ=230.77000°, δ70.39000°, λ-174.20000°. Principal axes: T 2.8488, Plg10.0000, Azm286.0000; N -0.5473, Plg70.0000, Azm44.0000; P -2.3015, Plg18.0000, Azm193.0000

NEIC 21 18:19:36.5, 55.26N, 164.47E, h23km, Moment Tensor Solution. Duration: 360 Moment tensor: Scale 10^17Nm; Mn=0.61, Mw=1.80, Mx=2.41, My=0.66, Mz=1.24, Mo=0.43; Fault plane solution: M2.72000x10^17 NPI; P: ϕ=333.41000°, δ83.33000°, λ179.19000°. NP2: ϕ=63.50000°, δ89.20000°, λ6.67000°. Principal axes: T 2.4666, Plg5.0000, Azm289.0000; N 0.4541, Plg83.0000, Azm70.0000; P -2.9207, Plg4.0000, Azm198.0000

GCMT 21 18:19:40.1±0.1, 55.32N, 164.55E, h0.01, h22km, Mw5.6/146, Moment Tensor Solution. s129,c235; s146,c294; Duration: 165 Moment tensor: Scale 10^17 Nm; Mn=0.04±0.03, Mw=2.40±0.03, Mx=2.44±0.03, My=0.28±0.06, Mz=1.60±0.03, Mo=0.02±0.06; Best double couple: M2.94200x10^17 NPI, ϕ=62.0000°, δ86.0000°, λ8.0000°. NP2: ϕ=331.0000°, δ82.0000°, λ176.0000°. Principal axes: T 2.9940, Plg9.0000, Azm287.0000; N -0.1040, Plg81.0000, Azm87.0000; P -2.8900, Plg3.0000, Azm196.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

IDC 21 18:19:37.9±0.3, 55.27N, 164.51E, h0.03, h27km±2km, h2c=31D, Komandorskiy Islands region

Table with columns: Code, Station Name, Δ, AZ, Op, ISC, h, m, s, ISC, Time, Res. Includes entries like BKI, BKI, BKI, etc.

2018 DEC

Main table with columns: Code, Station Name, Δ, AZ, Op, ISC, h, m, s, ISC, Time, Res. Includes entries like KIRR, KIRR, KIRR, etc.

21d 18h

Table with columns: Code, Station Name, Δ, AZ, Op, ISC, h, m, s, ISC, Time, Res. Includes entries like NKL, NKL, NKL, etc.

21d 18h

Table with columns for station ID, name, elevation, frequency, and other parameters. Includes stations like Ungalikthiuk R, Noatak River, Owhah, etc.

2018 DEC

Table with columns for station ID, name, elevation, frequency, and other parameters. Includes stations like Nigu River, Naaghedeneel, Port Aisworth, etc.

1396

Table with columns for station ID, name, elevation, frequency, and other parameters. Includes stations like Bradley Lake S, Willow, M22K, etc.

P23K	Montague Islan	25.70	60	P	P	18 25 05.0	-0.4
G25K	Bearman Lake	25.77	44	P	P	18 25 05.3	-0.6
H25L	Birch Creek	25.87	45	P	P	18 25 06.2	-0.6
D25K	Kavik River	25.89	38	Iamb	Iamb	18 25 24.0	
D25K	Kavik River	25.89	38	P	P	18 25 06.5	-0.6
MJ89	Matsu-Tunnel	25.93	235	P	P	18 25 07.5	-0.2
MJ89	Matsu-Tunnel	25.93	235	Iamb	Iamb	18 25 25.7	
MAJO	Matsushiro	25.93	235	P	P	18 25 07.4	-0.3
MAJO	Matsushiro	25.93	235	P	P	18 25 10.3	+2.6
MAJO	Matsushiro	25.93	235	d/P	pmax	18 25 08.5	+0.8
MJAR	Matsushiro Arr	25.93	235	P	P	18 25 08.8	+1.1
MJAR	Matsushiro Arr	25.93	235	LR	LR	18 37 19.4	
M24K	Tolsona, Glenn	25.95	55	P	P	18 25 07.5	-0.2
M24K	Tolsona, Glenn	25.95	55	IAMS_20	IAMS_20	18 35 17.0	
M24K	Tolsona, Glenn	25.95	55	P	P	18 25 07.7	0.0
K24K	Donnelly Dome	25.96	51	P	P	18 25 06.8	-0.9
F25K	Christian Rive	25.99	42	IAMS_20	IAMS_20	18 36 39.7	
F25K	Christian Rive	25.99	42	P	P	18 25 07.8	-0.3
FID	Port Fidalgo	26.01	58	IAMS_20	IAMS_20	18 35 59.2	
E25K	Arctic Village	26.05	41	P	P	18 25 08.7	+0.2
E25K	Arctic Village	26.05	41	Iamb	Iamb	18 25 22.9	
E25K	Arctic Village	26.05	41	IAMS_20	IAMS_20	18 36 37.4	
E25K	Arctic Village	26.05	41	P	P	18 25 08.9	+0.3
HIN	Hinchinbrook I	26.07	59	IAMS_20	IAMS_20	18 36 01.0	
J25K	Salcha River	26.09	49	IAMS_20	IAMS_20	18 35 50.4	
J25K	Salcha River	26.09	49	P	P	18 25 08.5	-0.4
KLU	Klutina	26.16	56	P	P	18 25 09.7	+0.1
PAX	Paxson	26.17	53	P	P	18 25 09.6	-0.2
Q23K	Middleton Isla	26.34	61	P	P	18 25 10.6	-0.5
RIDG	Independent Ri	26.38	51	IAMS_20	IAMS_20	18 36 32.2	
RIDG	Independent Ri	26.38	51	P	P	18 25 11.5	0.0
HARP	HAARP	26.39	54	P	P	18 25 11.4	-0.2
BMAR	Burnt Mountain	26.39	42	P	P	18 25 11.8	+0.2
EYAK	Cordova Ski Ar	26.40	58	P	P	18 25 10.6	-1.1
EYAK	Cordova Ski Ar	26.40	58	P	P	18 25 14.1	+2.4
C26K	Camden Bay	26.48	37	P	P	18 25 11.4	-0.9
F26K	Sheenjek River	26.57	42	IAMS_20	IAMS_20	18 36 51.0	
F26K	Sheenjek River	26.57	42	P	P	18 25 12.5	-0.7
G26K	Porcupine Riv	26.69	43	P	P	18 25 13.5	-0.8
SCRK	Sand Creek	26.73	50	IAMS_20	IAMS_20	18 36 51.6	
SCRK	Sand Creek	26.73	50	P	P	18 25 14.1	-0.7
N25K	Chitina, Valde	26.77	55	P	P	18 25 15.2	+0.1
N25K	Chitina, Valde	26.77	55	Iamb	Iamb	18 25 31.0	
N25K	Chitina, Valde	26.77	55	IAMS_20	IAMS_20	18 35 43.5	
N25K	Chitina, Valde	26.77	55	P	P	18 25 14.6	-0.5
C27K	Jago River	26.86	38	Iamb	Iamb	18 25 29.7	
C27K	Jago River	26.86	38	IAMS_20	IAMS_20	18 37 17.6	
C27K	Jago River	26.86	38	P	P	18 25 15.3	-0.5
J26L	Joseph Creek	26.87	49	P	P	18 25 16.1	0.0
BMRM	Bremner River	26.88	57	P	P	18 25 15.4	-0.6
RAGM	Ragged Mountai	26.96	58	IAMS_20	IAMS_20	18 36 41.6	
MENT	Mentasta	26.97	52	P	P	18 25 17.2	+0.3
MENT	Mentasta	26.97	52	P	P	18 25 16.8	-0.1
I26K	Coal Creek Min	26.99	47	IAMS_20	IAMS_20	18 36 47.2	
I26K	Coal Creek Min	26.99	47	P	P	18 25 16.5	-0.4
JGF	Kuroka	27.10	235	P	P	18 25 17.9	-0.3
JGF	Kuroka	27.10	235	Iamb	Iamb	18 25 50.8	
JGF	Kuroka	27.10	235	P	P	18 25 21.5	+3.3
L26K	Log Cabin Wild	27.13	52	IAMS_20	IAMS_20	18 36 40.1	
L26K	Log Cabin Wild	27.13	52	P	P	18 25 18.6	+0.3
GLB	Gilahina Butte	27.17	56	IAMS_20	IAMS_20	18 34 35.1	
KAIM	Kayak Island	27.18	59	IAMS_20	IAMS_20	18 36 56.6	
KAIM	Kayak Island	27.18	59	P	P	18 25 18.8	0.0
VRDI	Verde Repeater	27.38	56	IAMS_20	IAMS_20	18 34 39.7	
M26K	Nabesna, AK	27.38	53	P	P	18 25 21.1	+0.5
BOD	Bodaibo	27.44	296	eP	pmax	18 25 18.9	-2.1
BOD	Bodaibo	27.44	296	pmax	pmax		
CN2	Changchun	27.46	262	eP	sP	18 25 19.0	-2.3
CN2	Changchun	27.46	262	LR	LR	18 25 30.8	+0.7
CN2	Changchun	27.46	262	LR	LR		
CN2	Changchun	27.46	262	LR	LR		
G27K	Doyon Strip	27.53	44	P	P	18 25 21.8	-0.1
E27K	Coleen River	27.54	41	P	P	18 25 21.4	-0.5
MCARA	McCarthy VSAT	27.55	56	IAMS_20	IAMS_20	18 34 57.2	
MCARA	McCarthy VSAT	27.55	56	P	P	18 25 21.7	-0.4
H27K	Steamboat Moun	27.61	45	P	P	18 25 23.0	+0.4
I27K	Kandik River	27.61	46	P	P	18 25 22.5	-0.1
CRQM	Cirque	27.62	57	IAMS_20	IAMS_20	18 37 13.8	
CRQM	Cirque	27.62	57	P	P	18 25 22.9	-0.2
HIA	Hailar	27.65	276	IAMS_20	IAMS_20	18 36 26.8	
HIA	Hailar	27.65	276	P	P	18 25 25.0	+1.9
TGL	Tana Glacier	27.77	57	IAMS_20	IAMS_20	18 37 18.1	
D27M	Malcolm River	27.80	38	Iamb	Iamb	18 25 40.2	
D27M	Malcolm River	27.80	38	P	P	18 25 23.7	-0.6
L27K	Beaver Creek	27.81	52	P	P	18 25 24.2	-0.2
BCAR	Beaver Creek A	27.83	52	P	P	18 25 24.5	-0.1
EGAK	Eagle	27.88	48	Iamb	Iamb	18 25 23.1	-1.3
EGAK	Eagle	27.88	48	IAMS_20	IAMS_20	18 37 13.8	
EGAK	Eagle	27.88	48	P	P	18 25 24.1	-0.8

M27K	Edge Creek, AK	27.90	53	P	P	18 25 24.9	-0.4
F28M	Old Crow	28.20	42	IAMS_20	IAMS_20	18 38 16.2	
F28M	Old Crow	28.20	42	P	P	18 25 27.9	0.0
E28M	Babbage River	28.31	40	P	P	18 25 28.5	-0.3
I28M	Miner Creek	28.32	47	P	P	18 25 29.3	+0.3
BVCY	Beaver Creek	28.36	53	P	P	18 25 29.3	0.0
CTG	Chitina Glacier	28.43	56	P	P	18 25 30.4	+0.3
CTGM	Chitina Glacie	28.44	56	IAMS_20	IAMS_20	18 36 28.7	
D28M	Stokes Point	28.59	38	P	P	18 25 31.4	+0.2
YUK3	Moose Creek	28.67	54	P	P	18 25 32.3	0.0
DAWY	Dawson	28.73	49	P	P	18 25 32.8	+0.2
H29M	Whitestone	28.89	45	P	P	18 25 34.5	+0.6
E29M	Blow River	28.92	40	P	P	18 25 34.5	+0.4
G29M	Pine Creek	28.96	43	P	P	18 25 34.5	-0.1
O28M	Mount Upton	29.03	56	P	P	18 25 35.6	+0.1
YUK8	Steele Glacier	29.11	55	P	P	18 25 35.9	-0.2
P1NM	Pinnacle	29.17	58	P	P	18 25 36.5	0.0
M29M	Somme Creek	29.45	53	P	P	18 25 39.3	+0.3
L29M	L29M	29.46	51	Iamb	Iamb	18 25 57.5	
L29M	L29M	29.46	51	IAMS_20	IAMS_20	18 38 10.5	
L29M	L29M	29.46	51	P	P	18 25 39.4	+0.3
EPYK	Eagle Plains	29.53	44	IAMS_20	IAMS_20	18 38 40.5	
EPYK	Eagle Plains	29.53	44	P	P	18 25 39.5	-0.1
K29M	Barlow Dome	29.58	50	P	P	18 25 40.0	-0.2
YUK4	Talbot Arm	29.61	55	P	P	18 25 40.4	-0.2
G30M	Atoah Zraii Nji	29.66	43	P	P	18 25 40.8	0.0
F30M	Barrier River	29.76	42	P	P	18 25 41.1	-0.6
SNY	Shenyang	29.77	260	P	pmax	18 25 43.4	+1.4
SNY	Shenyang	29.77	260	pmax	pmax		
SNY	Shenyang	29.77	260	LR	LR		
SNY	Shenyang	29.77	260	LR	LR		
SNY	Shenyang	29.77	260	LR	LR		
CIT	Chita	29.83	285	eP	P	18 25 44.4	+1.9
CIT	Chita	29.83	285	P	P	18 25 52.6	
CIT	Chita	29.83	285	eP	P	18 26 05.0	
CIT	Chita	29.83	285	eP	P	18 26 45.8	
CIT	Chita	29.83	285	P	P	18 30 41.2	
I30M	Mount Dempster	29.83	47	P	P	18 25 42.3	-0.2
YUK6	Outpost Mounta	29.85	55	P	P	18 25 42.2	-0.6
O29M	Mount Kennedy	29.92	57	IAMS_20	IAMS_20	18 38 26.8	
O29M	Mount Kennedy	29.92	57	P	P	18 25 43.0	-0.2
J30M	Hart River	29.96	48	P	P	18 25 43.6	0.0
HYT	Haines Junctio	30.29	55	IAMS_20	IAMS_20	18 36 24.6	
HYT	Haines Junctio	30.29	55	P	P	18 25 47.3	+0.8
N30M	Aishikik Lake	30.31	54	P	P	18 25 46.8	+0.2
KS19	Wonju Array Si	30.42	250	P	P	18 25 46.2	-1.5
KSRS	Korea Array	30.43	249	P	P	18 25 48.6	+0.9
KSRS	Korea Array	30.43	249	P	P	18 28 48.4	+1.7
KSRS	Korea Array	30.43	249	ScP	ScP	18 32 30.6	+3.6
G31M	Satah River	30.43	43	P	P	18 25 47.2	-0.3
G31M	Satah River	30.43	43	IAMS_20	IAMS_20	18 39 46.0	
G31M	Satah River	30.43	43	P	P	18 25 47.5	+0.1
KSAR	Wonju Array Be	30.46	250	P	P	18 25 46.5	-1.5
KSAR	Wonju Array Be	30.46	250	P	P	18 25 46.5	-1.5
P29M	Windy Craggy	30.52	58	P	P	18 25 48.4	0.0
INK	Inuvik	30.54	40	P	P	18 25 48.0	-0.4
F31M	Tsightehotich	30.56	42	P	P	18 25 47.8	-0.9
H31M	Peer River	30.57	45	P	P	18 25 49.0	+0.1
P30M	Million Dollar	30.75	57	P	P	18 25 50.4	-0.1
N31M	Braeburn, Yuko	30.91	54	P	P	18 25 51.6	-0.3
O30N	Mendenhall	30.97	55	P	P	18 25 51.7	-0.7
O30N	Mendenhall	30.97	55	IAMS_20	IAMS_20	18 36 56.4	
O30N	Mendenhall	30.97	5				

21d 18h

Table with columns for station name, frequency, and various signal quality metrics (e.g., SNR, SNRr, SNRf, SNRb, SNRc, SNRd, SNRe, SNRf, SNRg, SNRh, SNRi, SNRj, SNRk, SNRl, SNRm, SNRn, SNRo, SNRp, SNRq, SNRr, SNRs, SNRt, SNRu, SNRv, SNRw, SNRx, SNRy, SNRz).

2018 DEC

Table with columns for station name, frequency, and various signal quality metrics (e.g., SNR, SNRr, SNRf, SNRb, SNRc, SNRd, SNRe, SNRf, SNRg, SNRh, SNRi, SNRj, SNRk, SNRl, SNRm, SNRn, SNRo, SNRp, SNRq, SNRr, SNRs, SNRt, SNRu, SNRv, SNRw, SNRx, SNRy, SNRz).

1398

Table with columns for station name, frequency, and various signal quality metrics (e.g., SNR, SNRr, SNRf, SNRb, SNRc, SNRd, SNRe, SNRf, SNRg, SNRh, SNRi, SNRj, SNRk, SNRl, SNRm, SNRn, SNRo, SNRp, SNRq, SNRr, SNRs, SNRt, SNRu, SNRv, SNRw, SNRx, SNRy, SNRz).

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like MARR, CFR, DOPR, GERES, BISRR, MTN, etc.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like CTAO, ANTO, NGCH, KNRA, SENIN, etc.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like ALNE, JMDO, ARQ, CSS, BSY, etc.

21d 18h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DOK Doka, RAYN Ar Rayn, etc.

ICD 21 18:21:23.0:0.5,55:30N:17.65E,h0km,mb3.6/7, mbtmp3.7/13,ML3.3/6,MS3.1/1, Error ellipse: s-maj=42.9km s-min=17.0km az=146.0

NIC 21 18:21:34.7:2.4,38:77N:71.37E,h0km,mb4.4,mpv4.0, Error ellipse: s-maj=16.4km s-min=10.4km az=25.0

ISC 21 18:21:29.1:1.4,38:32N:0.1:71.02E,0.08,h10km,n31, c2518/33,mb3.6/6,3C-3D,Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IUG luzhny, AML Almayashu, etc.

2018 DEC

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DGS Degeres, MTBS Matute, etc.

1402

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PET Petropavlovsk, RUS Russkaya, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BFO Black Forest, MORH Mrgy, Hungary, LESA Schwarzeleot, KBA Koelbrenseip, SOKA Soboth, WETA Reutte, RATA Walderalm, WTTA Wattenberg, MOTA Moosaln, SQTA Sankt Quirin, OBKA Obir, MYKA Terra Mystica, ABTA Abfattersbach, FETA Feichten, PRED Cave del Predi, GSI Gunungsitoli, FUORN Ofenpass-Fuorn, CTI Castel Tesino, CTI Castel Tesino, TUE Stuetta, BR131 Keskin Array S, BR131 Keskin Array B, BRTR Keskin Array B, BRTR Keskin Array B, BOVS Bovan, 553A Crawfordville, KHRS Kirsehir-Merke, RDO Rodhopi, ALN Alexandroupoli, WBO Warramunga Arr, FDMO Fioridomonte, WBR Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, NRC Norcia, UOSS Mizafiz, MMAI Mount Meron Ar, AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ESB B Sonseca Array, ESB B Sonseca Array, ESDC Sonseca Array, ESDC Sonseca Array, RAYN Ar Rayn, RAYN Ar Rayn, STKA Stephens Creek, STKA Stephens Creek, STKA Stephens Creek, QSPA South Pole Qui, QSPA South Pole Qui, NVL N'Azarevskaya, NVL N'Azarevskaya.

KRSC 21 18:29.15±0.9,5524N,164.44E,h50km,23km,M14.1, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BKI Bering, BKI Bering, KBTR Krutoberegovo, KBTR Krutoberegovo, KBG Krutoberegovo, BZM Bezymyanni-Pe, KLY Klyuchi, KMINR Kamenistaya, TUMR Tumrok, ESO Esso, SPN Mys Shipunski, SMAR Somma, AVH Avacha, AVH Avacha, KOK Koryaka, DALK Dalny, DALK Dalny, PET Petropavlovsk, OQR Oссора, MTRV Mutnovka, KDTR Khodutka, Kamc.

NEIC 21 18:29:22.9r.1.0,19.3S,0.1x177.4W,0.2,h55km,63km, mb4.5/29, Error ellipse: s-maj=23.2km s-min=16.3km az=122.0

ISC 21 18:29:24.8±2.6,19.41S:177.54W,h581km,22km,mb3.1/2, mbmp4.2/5, Error ellipse: s-maj=40.7km s-min=29.7km az=105.0

ISC 21 18:29:21.8±0.7,19.3S:0.1x177.4W,0.1,h55km,n46, r=135/43,mb4.5/16, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MSVF Nonsavu, MSVF Nonsavu.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FUTU Fugatoga, ARMA Afiamalu, DZM Mont Dzumac, URZ Urewera, THZ Tophouse, GVZ Greta Valley S, LTZ Lake Taylor, RPZ Rata Peaks, RPZ Rata Peaks, FOF Fox Glacier, WKZ Wanaka, MLZ Mavora Lakes, DCZ Deep Cove, WHZ Wether Hill Ro, ARMA Armidale, TOO Toolangi, STKA Stephens Creek, STKA Stephens Creek, BBOO Buckleboo, BBOO Buckleboo, HLK Halekaka, WBO Warramunga Arr, WBO Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, MTN Mantion Dam, MTN Mantion Dam, FORT Forrest, FORT Forrest, FITZ Fitzroy Crossi, PSA00 Pilbara Seismi, MBWA Marble Bar, MORW Morawa, KKM Kota Kinabalu, KKM Kota Kinabalu, QSPA South Pole Qui, JKA Kamikawa-asahi, TWG Pinlang, K15K Wolf Creek Mou, K15K Wolf Creek Mou, L18K Granite Mount, L18K Granite Mount, CCB Clear Creek Bu, MKAR Makanchi Array, MKAR Makanchi Array, BVAR Borovoye Array, BVAR Borovoye Array, ARCES ARCESS Array B, ARCES ARCESS Array B, BURR Burovaya Ar S, BURR Burovaya Ar S, BRTR Keskin Array B, BRTR Keskin Array B, MMAI Mount Meron Ar, MMAI Mount Meron Ar.

ISC 21 18:30:43.0±1.3,55.05N:164.65E,h0km,mb3.8/9, mbmp3.8/10,ML1.9/1, Error ellipse: s-maj=38.4km s-min=20.7km az=148.0

KRSC 21 18:30:44.1±1.1,54.32N:164.66E,h49km,28km,ML3.9, ISC 21 18:30:45.8±1.1,54.39N:164.72E,0.05,h23km,10km, n28,r=123/40,mb3.8/9, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BKI Bering, KBTR Krutoberegovo, KBTR Krutoberegovo, CIRR Styr, BZM Bezymyanni-Pe, TUMR Tumrok, KMINR Kamenistaya, KMINR Kamenistaya, KIRRR Kirishev, KIRRR Kirishev, KLY Klyuchi, KOZ Kozzyrevsk, KOZ Kozzyrevsk, SPN Mys Shipunski, SMAR Somma, AVH Avacha, AVH Avacha, KRX Arik, KRX Arik, RUS Russkaya, RUS Russkaya, PETK Petropavlovsk, PETK Petropavlovsk, MTRV Mutnovka, MTRV Mutnovka, GRL Gorelyy, GRL Gorelyy, IAR Eielson Array, IAR Eielson Array, KSRS Korea Array, KSRS Korea Array, YKA Yellowknife Ar, YKA Yellowknife Ar, KURBB Kurchatov Arra, KURBB Kurchatov Arra, MKAR Makanchi Array, MKAR Makanchi Array, BVAR Borovoye Array, BVAR Borovoye Array, FINES FINES Array B, FINES FINES Array B, NOA NORARS Array B, NOA NORARS Array B, ASAR Alice Springs, ASAR Alice Springs.

ISC 21 18:32:20.3±2.5,8.57S:148.10E,h102km,19km,mb3.4/9,

mbmp3.8/11, Error ellipse: s-maj=39.2km s-min=20.1km az=88.0

ISC 21 18:32:21.2±1.0,8.56S:0.10:148.1E,0.2,h109km,n12, r=093/13,mb3.7/8, 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, CTI Charters Tower, WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, KSRS Korea Array, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, SONM Songoing Array, MKAR Makanchi Array, QSPA South Pole Qui, ZALV Zalesovo Beam, ILAR Eielson Array.

ISC 21 18:40:48.2±1.1,55.00N:164.17E,h0km,mb3.5/7, mbmp3.5/8,ML2.3/1, Error ellipse: s-maj=35.5km s-min=20.3km az=148.0

KRSC 21 18:40:49.0±0.5,54.89N:164.53E,h52km,19km,ML3.6, ISC 21 18:40:51.7±0.8,54.96N:164.50E,0.04,h27km,n27, r=134/33,mb3.5/7, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BKI Bering, KBTR Krutoberegovo, KBTR Krutoberegovo, KBG Krutoberegovo, BZM Bezymyanni-Pe, BZM Bezymyanni-Pe, TUMR Tumrok, KMINR Kamenistaya, KMINR Kamenistaya, KIRRR Kirishev, KIRRR Kirishev, KLY Klyuchi, ESO Esso, AVH Avacha, AVH Avacha, KRX Arik, KRX Arik, KOK Koryaka, KOK Koryaka, GNL Ganaly, GNL Ganaly, KRMR Karymshinskiy, KRMR Karymshinskiy, OQR Oссора, OQR Oссора, PETK Petropavlovsk, PETK Petropavlovsk, PETK Petropavlovsk, MTRV Mutnovka, GRL Gorelyy, ILAR Eielson Array, YKA Yellowknife Ar, KURBB Kurchatov Arra, MKAR Makanchi Array, BVAR Borovoye Array, BVAR Borovoye Array, WRA Warramunga Arr, ASAR Alice Springs.

NEIC 21 18:47:45.3±0.9,31.23N:103.38W,0.06,h5km,1km, mb_Lg2.6/16,ML2.7/60, Error ellipse: s-maj=9.0km s-min=3.0km az=295.0, Western Texas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PECS Pecos, PECS Pecos, MNHN Monahans, ALPN Alpine, ALPN Alpine, ODSA Odessa, ODSA Odessa, VHRN Van Horn, VHRN Van Horn, SAND Sanderson, SAND Sanderson, TX31 Lajitas Ar. Si, OZNA Ozona, SGCV Sterling City, POST Post, SN05 Snyder S, SN05 Snyder S, SN07 Snyder 07, DRIO Del Rio, DRIO Del Rio, JCT Junction City, JCT Junction City, DKNS D'Arques, DKNS D'Arques, APMT Aspermont, APMT Aspermont, ABTX Abilene, Hawle, BRDY Brady, BRDY Brady, AMTX Amarillo, HNDO Hondo, HNDO Hondo, HNDO Hondo, HNDO Hondo, 121A Cookes Peak, 121A Cookes Peak, 121A Cookes Peak, ANMO Albuquerque.

1405

Table with columns: ANMO, comp, E, Az, IAML, Station Name, Az, Az, Phase ID, Time, Res, ISC. Includes stations like Chaparral WMA, Palo Pinto, Samnorwood, etc.

IDC 21 18:52:37.9-0.9,2.477N;125.03E,h0km,mb3.9/1, mbtmp3.8/18,ML3.7/3, Error ellipse: s-maj=22.8km s-min=18.6km az=70.0

JMA 21 18:52:40.0-0.2,24.3N;101.25E;0.7,h37km,MV3.6/11, NEAR MIYAKOJIMA ISLAND

ISC 21 18:52:41.8-1.1,24.46N;101.25E;0.05,h42km,gkm,n35,r139/41,mb3.8/14, Southwestern Ryukyu Islands

Main table for 1405 section, listing station names, coordinates, and seismic data for various stations including JMJJ, JIRB, JMJJ, etc.

IDC 21 18:56:00.8-2.5,5.14S;-134.14E,h0km,mb3.5/1, mbtmp4.0/5,ML3.8/4, Error ellipse: s-maj=63.1km s-min=28.8km az=85.0,Aru Islands region

Table for IDC 21 18:56:00.8-2.5,5.14S;-134.14E, listing station names like BATI, WRA, FITZ, etc.

IDC 21 18:57:19.6-0.5,2.42N;79.50W,h0km,mb4.4/21, mbtmp4.5/27,ML3.9/6,MS3.9/4, Error ellipse: s-maj=17.2km s-min=12.1km az=66.0

NEIC 21 18:57:21.5-2.0,2.35N;0.04;79.53W;0.08,h10km,1km, mb4.9/103, Error ellipse: s-maj=13.5km s-min=6.5km az=252.0

VAO 21 18:57:26.8-1.9,2.24N;79.20W,h33km,10km,mb4.9 RSNC 21 18:57:32.0-0.2,N;10.7;79W;1.0,h19km,ML4.3, mb4.8,mb5.2,ML3.8,ML3.8,ML3.8,ML3.8

ISC 21 18:57:21.4-1.1,2.35N;0.03;79.51W;0.04,h13km,gkm,n266,r171/280,mb4.8/73,2C-ID, South of Panama

Table for ISC 21 18:57:21.4-1.1,2.35N;0.03;79.51W, listing station names like GRIC, CUMBA, PACI, etc.

2018 DEC

Main table for 2018 DEC section, listing station names, coordinates, and seismic data for various stations including MALC, BONI, POPC, etc.

21d 18h

Main table for 21d 18h section, listing station names, coordinates, and seismic data for various stations including LPAZ, LPAZ, FDF, etc.

21d 19h

PTEO	Sao Teotonio	73.37	52	eP	P	19 08 54.0 +1.1
MORF	Marinete	73.39	52	eP	A	19 08 54.8 +1.7
MESJ	Messejana	73.81	51	eP	P	19 08 56.8 +1.2
PCAS	Casmilio, Conde	73.99	49	eP	P	19 08 57.9 +1.3
PMTG	Montargil	74.02	50	eP	P	19 08 57.8 +1.0
L29M	L29M	74.16	336	P	Iamb	19 08 58.0 +0.8
PESTR	Estremo	74.48	50	eP	P	19 09 00.3 +0.9
DBIC	Dimbokro	74.49	84	P	Iamb	19 08 59.5 -0.4
DBIC	Dimbokro	74.49	84	P	P	19 08 59.6 -0.4
PVIS	Viseu	74.57	48	eP	P	19 09 00.9 +0.9
SUMG	Summit	74.57	12	P	Iamb	19 08 58.8 -1.0
SUMG	Summit	74.57	12	iP	P	19 08 59.0 -0.8
G31M	Satah River	74.64	340	Iamb	Iamb	19 09 10.4
PMRV	Marv'70	74.72	50	eP	A	19 09 01.7 +0.8
PCBR	Castelo Branco	74.73	49	eP	P	19 09 02.0 +1.2
POLO	Lamas de Oio	74.76	48	eP	P	19 09 00.5 -0.6
PBAR	Barrancos	74.79	51	eP	P	19 09 01.9 +0.7
MVO	Moncorvo	75.29	48	eP	P	19 09 04.8 +0.6
BCAR	Beaver Creek A	75.64	335	P	Iamb	19 09 06.0 +0.3
EGAK	Eagle	76.10	337	Iamb	Iamb	19 09 18.9
MENT	Mentasta	76.40	335	P	P	19 09 10.9 +0.9
NEEM	Neem	76.58	6	iP	P	19 09 09.4 -1.7
ESDC	Sonsecra Array	77.38	50	P	Iamb	19 09 16.6 +0.5
ESDC	Sonsecra Array	77.38	50	P	Iamb	19 09 17.3 +1.3
ESBB	Sonsecra Array	77.38	50	P	Iamb	19 09 16.8 +0.8
J25K	Salcha River	77.70	336	Iamb	Iamb	19 09 28.0
E27K	Coleen River	77.72	340	Iamb	Iamb	19 09 29.2
D27M	Malcolm River	77.97	341	Iamb	Iamb	19 09 29.3
IL31	IL31	78.36	336	P	Iamb	19 09 20.9 0.0
ILAR	Eielson Array	78.36	336	P	P	19 09 21.0 0.0
ILAR	Eielson Array	78.36	336	P	P	19 09 21.4 +0.5
HON	Honolulu	78.42	291	P	P	19 09 20.9 -1.2
BMAR	Burnt Mountain	78.44	339	P	P	19 09 21.8 +0.4
E25K	Arctic Village	79.05	340	P	P	19 09 25.2 +0.5
OHAK	Old Harbor	79.27	328	P	Iamb	19 09 26.4 +0.3
I23K	Minto, Yukon-K	79.48	336	Iamb	Iamb	19 09 38.2
ILSW	Illiamna South	79.81	331	P	P	19 09 28.4 -0.7
G23K	Bananza Creek	80.21	338	P	P	19 09 31.4 +0.4
EKA	Eskdalemuir Ar	80.31	34	P	P	19 09 31.9 +0.2
P18K	Big Mountain	80.72	330	P	P	19 09 33.9 0.0
TORD	Torodi Ar. Beaa	80.91	77	P	Iamb	19 09 35.2 -0.6
TORD	Torodi Ar. Beaa	80.91	77	P	Iamb	19 09 35.9 +0.1
DAG	Danmarks Havn	81.27	12	iP	P	19 09 35.0 -1.4
C23K	Itkiliik River	81.34	341	Iamb	Iamb	19 09 47.6
IMAR	Indian Mountai	81.47	337	P	P	19 09 38.0 +0.3
G21K	Allakaket	81.50	337	Iamb	Iamb	19 09 38.7 +0.8
CEST	Esterrid de Car	81.61	47	Iamb	Iamb	19 09 42.1
NOR	Nord	83.83	8	iP	Iamb	19 09 49.4 -0.3
TAM	Tamanrasset	84.52	67	P	Iamb	19 09 54.9 +0.2
VNA3	Neumayer Olymp	85.83	162	I	P	19 10 00.5 +0.5
ECH	Echery	86.03	42	P	P	19 10 02.5 +1.0
TUE	Stuetta	87.52	44	P	P	19 10 09.7 +0.6
KEST	Kesra	87.71	54	PKP	P	19 10 10.8 +0.8
DAVA	Damuels	87.87	43	iPcP	PcP	19 10 12.7 +0.2
SNA4	Sanae	88.05	162	P	Iamb	19 10 11.5 +0.7
SNA4	Sanae	88.05	162	I	P	19 10 11.7 +0.9
SNA4	Sanae	88.05	162	P	P	19 10 11.7 +0.9
NB2	NORSAR Subarra	88.31	29	P	P	19 10 13.0 +0.7
NOA	NORSAR Array B	88.31	29	P	P	19 10 12.9 +0.6
FETA	Feichten	88.45	43	iPcP	PcP	19 10 15.4 +0.3
RETA	Reutte	88.46	43	iP	P	19 10 15.1 +1.7
MOSAL	Miosalm	88.70	43	iP	P	19 10 16.2 +1.7
SOTA	Sankt Quirin	88.78	43	P	P	19 10 16.7 +1.8
SPITS	Spitsbergen Ar	88.92	12	P	P	19 10 15.3 +0.5
WATA	Walderalm	89.02	43	iP	P	19 10 17.7 +1.6
WTTA	Wattenberg	89.06	43	iP	P	19 10 18.0 +1.6
CIMO	Cimolais	89.66	44	Iamb	Iamb	19 10 23.5
ABTA	Abtattersbach	89.69	43	iPcP	PcP	19 10 21.0 +0.6
CLL	Collin	89.75	39	eP	P	19 10 21.0 +1.8
LESA	Schwarzleotal	89.76	43	iP	P	19 10 21.1 +1.6
TROLL	Troll, Antarti	89.76	162	I	P	19 10 19.0 0.0
QSPA	South Pole Qui	92.40	180	P	P	19 10 32.2 +0.9
QSPA	South Pole Qui	92.40	180	P	P	19 10 33.2 +1.9
ZALV	Zalesovo Beam	122.39	11	PKP	PKPdf	19 16 15.7 -0.4
KURB3	Kurchatov Arra	123.97	16	PKP	PKPdf	19 16 19.1 0.0
MKAR	Makanchi Array	128.49	16	PKP	PKPdf	19 16 28.1 +0.1
SONM	Songino Array	129.75	355	PKP	PKPdf	19 16 30.4 -0.1
STKA	Stephens Creek	131.45	228	PKP	PKPdf	19 16 34.0 0.0
KSRS	Korea Array	132.92	330	PKP	PKPpre	19 16 29.8
KSRS	Korea Array	132.92	330	PKP	PKPdf	19 16 35.8 -0.8
AS31	Alice Springs	141.35	234	PKPpre	P	19 16 43.0

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ASAR	Alice Springs	141.35	234	PKPpre	P	19 16 43.5
ASAR	Alice Springs	141.35	234	PKPdf	P	19 16 51.0 -1.7
ASAR	Alice Springs	141.35	234	PKP	P	19 16 46.9
ASAR	Alice Springs	141.35	234	PKPdf	P	19 16 52.4 -0.2
WB2	Warramunga Arr	142.60	240	PKPdf	P	19 16 51.1 -3.8
WRAB	Tennant Creek	142.60	240	PKPdf	P	19 16 52.1 -2.8
WRA	Warramunga Arr	142.61	240	PKPdf	P	19 16 51.7 -3.2
WRA	Warramunga Arr	142.61	240	PKP	P	19 16 50.1
WRA	Warramunga Arr	142.61	240	PKP	P	19 16 54.9 -0.1
LSA	Lhasa	146.89	15	PKPdf	P	19 17 03.1 +0.5
MTN	Mannton Dam	147.93	249	PKPdf	P	19 17 01.1 -3.0
KNRA	Kununurra	149.16	243	PKPdf	P	19 17 02.6 -3.5
MORW	Morawa	149.59	208	PKPdf	P	19 17 02.5 -4.0
FITZ	Fitzroy Crossi	150.79	236	PKP	P	19 17 05.1 -3.5
CMAR	Chiang Mai Arr	159.26	4	PKP	PKPdf	19 17 21.1 +0.8
CMAR	Chiang Mai Arr	159.26	4	PKP	PKPab	19 17 56.8 -0.3
<p>AEIC 21 18:57:30.4, 2.4, 61.35N, 0.02:150:12W:0.03, h21km, 6km, Error ellipse: s-maj=2.7km s-min=2.2km az=173.0 NEIC 21 18:57:30.6, 1.7, 61.42N, 0.02:150:06W:0.05, h47km, 2km, ML3.2/128, ML2.9(AEIC), Error ellipse: s-maj=3.4km s-min=3.2km az=138.0, Southern Alaska</p>						
Code	Station Name	Δ° AZ°	Phase ID	Time Res	h m s	ISC
FIS	Fire Island	0.29	195	Op	18 57 42.2	+1.8
SUA	Susitna One	0.33	278	Sn	18 57 39.2	-0.7
SUA	Susitna One	0.33	278	Sn	18 57 46.8	+0.3
M22K	Willow	0.34	355	Pn	18 57 39.4	-0.4
M22K	Willow	0.34	355	Pn	18 57 46.8	+0.5
M22K	Willow	0.34	355	IAML	18 57 47.7	
RC01	Rabbit Creek A	0.37	155	Pn	18 57 39.3	-0.9
RC01	Rabbit Creek A	0.37	155	Sn	18 57 46.5	-0.4
RC01	Rabbit Creek A	0.37	155	IAML	18 57 50.8	
RC01	Rabbit Creek A	0.37	155	IAML	18 57 51.3	
PMR	Palmer	0.48	69	Pn	18 57 40.8	-0.6
PMR	Palmer	0.48	69	Pn	18 57 49.0	0.0
PMR	Palmer	0.48	69	IAML	18 57 49.5	
PMR	Palmer	0.48	69	IAML	18 57 49.7	
GHO	Glory Hole Cre	0.65	57	Pn	18 57 43.4	-0.2
GHO	Glory Hole Cre	0.65	57	Sn	18 57 53.6	+0.6
GHO	Glory Hole Cre	0.65	57	IAML	18 57 56.2	
GHO	Glory Hole Cre	0.65	57	IAML	18 57 56.3	
KNK	Knik Glacier	0.77	90	Pn	18 57 45.1	-0.1
KNK	Knik Glacier	0.77	90	Pn	18 57 57.1	+1.3
KNK	Knik Glacier	0.77	90	IAML	18 57 58.7	
KNK	Knik Glacier	0.77	90	IAML	18 57 59.2	
CAPN	Captain Cook A	0.84	219	Pn	18 57 46.7	+0.6
CAPN	Captain Cook A	0.84	219	Sn	18 57 58.4	+1.0
STLK	Strandline Lak	0.85	276	Pn	18 57 46.3	-0.1
STLK	Strandline Lak	0.85	276	Sn	18 57 58.0	+0.2
STLK	Strandline Lak	0.85	276	IAML	18 57 58.8	
STLK	Strandline Lak	0.85	276	IAML	18 57 59.5	
SKT	Skwentna	0.90	309	Pn	18 57 46.8	-0.1
SKT	Skwentna	0.90	309	Sn	18 57 58.9	+0.1
SKT	Skwentna	0.90	309	IAML	18 58 00.0	
SKT	Skwentna	0.90	309	IAML	18 58 01.2	
SML	Sawmill	0.91	64	Pn	18 57 47.0	-0.1
SML	Sawmill	0.91	64	Sn	18 58 02.0	+0.9
SML	Sawmill	0.91	64	IAML	18 58 01.5	
SML	Sawmill	0.91	64	IAML	18 58 03.5	
SLKM	Skliak Lake	0.92	185	Pn	18 57 46.5	-0.8
SLKM	Skliak Lake	0.92	185	Sn	18 57 59.0	-0.3
SLKM	Skliak Lake	0.92	185	IAML	18 58 02.0	
SLKM	Skliak Lake	0.92	185	IAML	18 58 03.5	
O22K	Cooper Landing	0.96	170	Pn	18 57 47.0	-0.6
O22K	Cooper Landing	0.96	170	Pn	18 57 51.0	+0.8
SPU	Mount Spurr	0.99	257	Pn	18 57 47.8	-0.4
CPU	Chulitna	0.99	354	Sn	18 58 00.6	-0.5
CUT	Chulitna	0.99	354	Sn	18 57 48.4	+0.3
CUT	Chulitna	0.99	354	Sn	18 58 02.4	+1.4
CUT	Chulitna	0.99	354	IAML	18 58 03.2	
CUT	Chulitna	0.99	354	IAML	18 58 04.4	
PWL	Port Wells	1.01	123	Pn	18 57 48.1	-0.3
PWL	Port Wells	1.01	123	Sn	18 58 01.9	+0.4
SEW	Seward	1.35	167	Pn	18 57 52.4	-0.7
SCM	Sheep Creek Mo	1.37	71	Pn	18 57 53.9	+0.5
SCM	Sheep Creek Mo	1.37	71	Pn	18 58 14.7	
M20K	Styx River	1.54	289	Pn	18 57 56.5	+0.8
M20K	Styx River	1.54	289	IAML	18 58 18.3	
M20K	Styx River	1.54	289	IAML	18 58 18.8	
GLI	Bradley Lake	1.54	109	Pn	18 57 55.2	-0.4
BRK	Bradley Lake	1.71	194	Pn	18 57 57.6	-0.4
BRK	Bradley Lake	1.71	194	IAML	18 58 22.8	
BRK	Bradley Lake	1.71	194	IAML	18 58 23.2	
PPLA	Purkeypile	1.79	327	Pn	18 57 59.9	+0.7
FID	Port Fidalgo	1.87	110	Pn		

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like KRMR, PETK, RUS, MTRV, GRL, APC, KDTR, YAK, H1N2, H1N3, H1N1, SONM, KURBB, MKAR, ASAR.

KRSC 21 19:17:28.0e 1.1, 55.24N, 164.51E, h47km, mb3.4/8, m1bpm3.8/18, ML2.3/1, Error ellipse: s-maj=252.0km s-min=40.8km az=115.0

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like BKI, KBTR, KBG, CIRR, BZP, BZMR, KLY, KIRF, KMINR, TUMR, KOZ, KIL, ESO, SPN, UGLR, AVH, KOK, GNL, KRMR, KRMV, PETK, RUS, MTRV, GRL, KDTR, SONM, KURBB, MKAR.

IDC 21 19:21:17.6e 1.1, 55.44N, 164.20E, h0km, mb3.4/8, m1bpm3.4/9, ML2.8/1, Error ellipse: s-maj=37.7km s-min=19.1km az=165.0

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like BKI, KBTR, KBG, SMKR, CIRR, BZP, BZMR, KLY, KIRF, KMINR, TUMR, KOZ, KIL, ESO, SPN, UGLR, AVH, KOK, DALK, OSSR, PET, GNL, KRMR, KRMV, PETK, RUS, MTRV, GRL, KDTR, ILAR.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like H1N2, H1N3, H1N1, SONM, KURBB, MKAR, BVAR, PDAR.

TXAR 0.3nm, 0.7s, baz=319, slow=12, SNR=1.8 0.3nm, 0.7s 67.51 71 P P 19 32 17.2 +2.2
ASAR Alice Springs 67.51 71 P P 19 33 43.1 0.0
IDC 21 19:27:51.5e 1.7, 55.28N, 164.51E, h0km, mb3.7/15, m1bpm3.8/18, ML2.3/3, MS3.6/6, Error ellipse: s-maj=21.2km s-min=13.7km az=158.0

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like BKI, KBTR, KBG, SMKR, CIRR, BZP, BZMR, KLY, KIRF, KMINR, TUMR, KOZ, KIL, ESO, SPN, UGLR, AVH, KOK, DALK, OSSR, PET, GNL, KRMR, KRMV, PETK, MTRV, GRL, KDTR.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like PAU, PAUZ, SHEM, SKR, SKR, SKR, SKR, SKR, KMSK, KMSK, MA2, JKA, JKA, ASAJ, ASAJ, YAK, YAK, YAK, YAK, ERM, ERM, M17K, M17K, L18K, L18K, F19K, N18K, N18K, E19K, L19K, L19K, F20K, TIXI, TIXI, TIXI, B20K, IMAR, M20K, M20K, HEH, B21K, B22K, E22K, E22K, D23K, C23K, C23K, E23K, E23K, TOLK, TOLK, E24K, E24K, G24K, G24K, ILAR, D25K, D25K, MJB9, MAJO, MAJO, MAJO, MJAR, E25K, E25K, BMAR, C27K, C27K, C27K, H1N2, H1N3, H1N1, YKA, KURK, KURK, KURK, KURK, KURBB, KURBB, MK31, MK31, MK31, MKAR, BVAR, NVAR, ELK, ARTI, ARTI, ARTI, ARTI, PDAR, PDAR, KKAR, KKAR, KKAR, PHRA, CMAR, GAR, GAR, OBN, OBN.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like OTAV, CPUP, MDT, ATAH, TOR, NNA, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like R33M, INK, G31M, F31M, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like KMN, KIR, KLY, KOZ, etc.

21D 20h

Table with columns for station code, name, elevation, frequency, and other technical details. Includes stations like DALK, PET, GNL, MTRV, KMSK, MA2, BILL, SPOIA, GAMB, NIKH, M11K, YSS, UNV, TNA, K13K, F14K, ANM, M13K, J14K, L14K, G15K, F15K, M14K, N14K, JKA, ASAJ, ASAJ, L15K, O14K, K15K, H16K, M15K, G16K, C16K, N15K, J16K, I17K, O15K, L16K, D17K, G17K, ERM, ERM, F17K, E17K, M16K, YAK, YAK, YAK, YAK.

2018 DEC

Table with columns for station code, name, elevation, frequency, and other technical details. Includes stations like YAK, YAK, YAK, YAK, N16K, H17K, C17K, J17K, L17K, CHNA, K17K, O16K, P16K, E18K, F18K, CHGN, CHGN, M17K, M17K, H18K, G18K, C18K, N17K, N17K, R16K, O17K, B18K, L18K, L18K, J18K, J18K, Q16K, GCSA, P17K, F19K, F19K, N18K, N18K, N18K, G19K, G19K, M18K, M18K, A19K, H19K, H19K, H19K, Q17K, J19K, E19K, E19K, O18K, O18K, JTM, JTM, L19K, L19K, L19K, ACHA, Q18K, N19K, N19K, F20K, F20K, H20K, O19K, CHIR, I20K, K20K, D20K, J20K, E20K, ZEA, ZEA, L20K, B20K, B20K, B20K, O19K, O19K, M20K, IMAR, P19K, G21K, G21K.

1410

Table with columns for station code, name, elevation, frequency, and other technical details. Includes stations like TIXI, TIXI, TIXI, F21K, H21K, O20K, CHUM, PPLA, SPCR, OHAK, OHAK, OHAK, CAST, B21K, B21K, A21K, STLK, STLK, I21K, Q20K, KDAK, KDAK, KDAK, KDAK, SKT, HEH, HEH, HEH, HOM, F22K, A22K, H22K, BPWA, SUA, E22K, E22K, B22K, B22K, TRF, CUT, BRSE, M22K, M22K, USA0B, USA0B, USA0B, USA0B, G23K, COLD, COLD, COLD, I23K, I23K, I23K, O22K, D23K, NEA2, MCK, PMR, SEW, E23K, RCD1, RCD1, RCD1, TOLK, TOLK, TOLK, WNT, WNT, SML, COLA, COLA, COLA, PWL, E24K, H24K, D24K, D24K, D24K, WAT6, F24K, F24K, POKR, M23K, JSD, JSD, C24K, C24K, G24K, DHY.

1411 2018 DEC 21d 20h

Table with columns for station ID, name, elevation, frequency, and other parameters. Includes stations like MDJ, SCM, HDA, ILAR, G25K, etc.

Table with columns for station ID, name, elevation, frequency, and other parameters. Includes stations like YUK6, F30M, I30M, O29M, etc.

Table with columns for station ID, name, elevation, frequency, and other parameters. Includes stations like HHC, HHC, HHC, etc.

21d 20h

GYA	comp=Z,3.4nm,0.7s	Guiyang	50.92 261	P	P	20 34 03.3 +1.4
BVAR	comp=Z,2.0nm,1.0s Borovoye Arr	51.55 310	P	P	20 34 06.5 +0.3	
SUMG	comp=Z,1.9nm,0.5s	Summit	51.57 9	P	IAMB	20 34 05.7 -0.9
SUMG	comp=Z,2.25nm,1.4s	Summit	51.57 9	P	P	20 34 05.7 -0.9
SUMG	comp=Z,2.5nm,1.4s	Summit	51.57 9	iP	IAMB	20 34 06.0 -0.6
BRVK	comp=Z,4.3nm,0.5s	Borovoye	51.57 310	eP	P	20 34 05.3 -1.1
NVAR	comp=Z,1.3nm,1.8s	Mina Array Bea	52.19 75	P	P	20 34 12.6 +1.2
ARCES	comp=Z,1.8nm,0.6s	ARCES Array B	52.32 343	P	P	20 34 10.5 -1.2
FLWY	comp=Z,1.8nm,0.7s	Flag Branch	52.35 65	IAMB	IAMB	20 34 17.0
RLMT	comp=Z,1.8nm,1.1s	Red Lodge	52.37 63	P	P	20 34 13.5 +0.8
TPAW	comp=Z,1.4nm,1.1s	Teton Pass	52.62 66	IAMB	IAMB	20 34 19.0
LHOW	comp=Z,1.8nm,1.1s	Long Hollow	52.72 65	P	P	20 34 15.7 +0.4
PZH	comp=Z,1.0nm,0.4s	PanZhiHua	53.69 265	P	P	20 34 23.5 +1.0
GRAC	comp=Z,9.8nm,0.6s	Grapevine Rang	53.73 76	P	IAMB	20 34 23.8 +1.2
R11B	comp=Z,9.8nm,0.6s	Troy Canyon, C	53.75 73	P	P	20 34 22.3 -0.6
PD31	comp=Z,8.8nm,0.8s	Pinedale Array	53.86 65	IAMB	IAMB	20 34 25.8
PDAR	comp=Z,5.5nm,0.8s	Pinedale Array	53.86 65	P	P	20 34 24.3 +0.6
DUG	comp=Z,2.1nm,1.1s	Dugway, Tooele	53.99 70	IAMB	IAMB	20 34 26.9
ARTI	comp=Z,9.0nm,1.4s	Arti	54.09 319	P	P	20 34 24.3 -0.6
KMI	comp=Z,2.0nm,0.9s	Kunming	54.18 263	P	P	20 34 27.3 +1.1
KMI	comp=Z,1.10nm,17.1s			LR	LR	
KMI	comp=Z,1.30nm,25.7s			LR	LR	
FRB	comp=Z,7.3nm,21.8s	Frobisher Bay	54.41 26	LR	LR	20 58 29.9
ICESG	comp=Z,9.8nm,0.8s	Greenland Ices	54.80 11	IAMB	IAMB	20 34 26.6 -3.6
ULM	comp=Z,1.6nm,1.1s	Lac du Bonnet	55.18 51	IAMB	IAMB	20 34 34.6
ULM	comp=Z,2.26nm,19.9s	Lac du Bonnet	55.18 51	LR	LR	20 34 32.8 -0.1
SFJD	comp=Z,8.3nm,0.8s	Black Hills	55.30 16	LR	LR	21 00 45.3
RSSD	comp=Z,9.0nm,0.6s	Black Hills	55.72 61	P	P	20 34 37.0 -0.2
RSSD	comp=Z,9.0nm,0.6s	Black Hills	55.72 61	P	P	20 34 37.0 -0.2
DY2G	comp=Z,7.6nm,0.6s	Dye2	56.45 15	iP	IAMB	20 34 39.5 -2.6
SLVN	comp=Z,1.3nm,0.9s	Son La	56.49 259	P	IAMB	20 34 42.6 0.0
AGMM	comp=Z,2.5nm,1.4s	Agassiz Nation	56.61 52	IAMB	IAMB	20 34 46.3
TNCH	comp=Z,9.0nm,1.2s	TengChong	56.67 267	P	P	20 34 45.3 +1.5
PFO	comp=Z,2.0nm,0.7s	Pinyon Flats O	56.70 78	P	P	20 34 43.9 -0.2
PFO	comp=Z,2.0nm,0.7s	Pinyon Flats O	56.70 78	iP	P	20 34 44.8 +0.7
KLMR	comp=Z,2.25nm,1.7s	Klimovskoe	56.73 332	eP	P	20 34 42.8 -1.0
AAK	comp=Z,2.5nm,1.7s	Ala-Archa	56.93 298	P	P	20 34 45.4 -0.3
AAK	comp=Z,2.5nm,1.7s	Ala-Archa	56.93 298	iP	P	20 34 45.7 0.0
N23A	comp=Z,1.0nm,1.1s	Red Feather La	57.08 65	P	P	20 34 46.4 -0.6
LSA	comp=Z,1.4nm,0.8s	Lhasa	57.35 276	P	IAMB	20 34 49.6 +0.4
LSA	comp=Z,1.4nm,0.8s	Lhasa	57.35 276	P	P	20 34 49.6 +0.4
DAV	comp=Z,1.4nm,0.8s	Davac City (W)	57.41 229	LR	LR	20 58 55.0
CBX	comp=Z,2.5nm,2.1s	Cerro Bola	57.55 79	IAMB	IAMB	20 34 54.5
BLVC	comp=Z,2.0nm,1.4s	Blythe	57.68 76	P	IAMB	20 34 51.6 +0.7
ISCO	comp=Z,7.1nm,0.6s	Idaho Springs	58.06 65	IAMB	IAMB	20 35 50.0
ESJX	comp=Z,8.9nm,1.0s	Sierra Juarez	58.18 79	P	P	20 34 55.3 +0.7
KSH	comp=Z,2.8nm,1.0s	Kashi	58.45 295	P	P	20 35 00.3 +3.9
KKAR	comp=Z,5.0nm,1.3s	Karatay Arr	58.57 301	P	P	20 34 56.4 -0.7
KKAR	comp=Z,5.0nm,1.3s	Karatay Arr	58.57 301	IAMB	IAMB	20 35 14.4
KBAR	comp=Z,5.0nm,1.3s	Karatay Arr	58.57 301	P	P	20 34 57.6 -0.7
X16A	comp=Z,5.7nm,0.7s	Albulak arr	58.91 312	P	IAMB	20 35 04.5
Q24A	comp=Z,2.5nm,1.4s	Divide	58.91 66	P	P	20 34 59.3 -0.6
S22A	comp=Z,7.0nm,0.8s	4UR Ranch, Cre	58.93 68	IAMB	IAMB	20 35 02.9
S22A	comp=Z,7.0nm,0.8s	4UR Ranch, Cre	58.93 68	P	P	20 34 59.2 -0.8
FINES	comp=Z,3.3nm,0.8s	FINES Array B	59.47 339	P	P	20 35 02.1 +0.0
FINES	comp=Z,3.3nm,0.8s	FINES Array B	59.47 339	LR	LR	21 05 30.4
X18A	comp=Z,2.8nm,0.8s	Snowflake	59.63 72	P	IAMB	20 35 04.7 0.0
BORG	comp=Z,5.3nm,18.0s	Borganes	60.40 3	LR	LR	21 03 17.3
T25A	comp=Z,7.7nm,0.9s	Trinidad	60.66 66	IAMB	IAMB	20 35 16.7
T25A	comp=Z,7.7nm,0.9s	Trinidad	60.66 66	P	P	20 35 10.7 -1.1
BTK	comp=Z,9.9nm,0.7s	Batken	60.69 299	P	P	20 35 11.2 -0.6

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BTK	comp=Z,9.9nm,0.7s	Batken	60.69 299	P	P	20 35 11.2 -0.6
PHRA	comp=Z,10.0nm,0.7s	Phrae	60.82 260	P	P	20 35 13.4 +0.6
ANMO	comp=Z,9.0nm,2.8s	Albuquerque	61.22 70	P	P	20 35 16.3 +0.7
ANMO	comp=Z,9.0nm,2.8s	Albuquerque	61.22 70	eP	P	20 35 16.9 +1.3
CHTO	comp=Z,7.7nm,0.8s	Chiang Mai	61.30 262	P	IAMB	20 35 16.1 +0.1
CHTO	comp=Z,7.7nm,0.8s	Chiang Mai	61.30 262	P	P	20 35 17.9
CM31	comp=Z,8.0nm,0.8s	Chiang Mai Arr	61.59 262	IAMB	IAMB	20 35 20.0
CMAR	comp=Z,5.3nm,0.7s	Chiang Mai Arr	61.59 262	P	P	20 35 19.2 +1.2
CMAR	comp=Z,5.3nm,0.7s	Chiang Mai Arr	61.59 262	iP	P	20 35 19.2 +1.2
RTBA	comp=Z,6.0nm,0.7s	Rita Blanca	62.07 66	IAMB	IAMB	20 35 24.1
121A	comp=Z,6.0nm,0.7s	Cookes Peak, D	62.32 72	P	P	20 35 22.6 -0.5
319A	comp=Z,1.1nm,1.1s	Douglas	62.38 74	IAMB	IAMB	20 35 26.5
SCHO	comp=Z,5.8nm,0.6s	Schoeffville	62.40 31	P	P	20 35 22.6 -0.4
SCHO	comp=Z,5.8nm,0.6s	Schoeffville	62.40 31	LR	LR	21 04 53.6
NB2	comp=Z,2.1nm,19.5s	NORSAR Subarra	62.43 346	P	P	20 35 22.9 -0.2
NOA	comp=Z,2.4nm,0.6s	NORSAR Array B	62.43 346	P	P	20 35 22.8 -0.4
NOA	comp=Z,2.4nm,0.6s	NORSAR Array B	62.43 346	LR	LR	21 03 11.0
OBN	comp=Z,2.4nm,0.6s	Obninsk	62.45 330	eP	P	20 35 22.1 -1.1
OBN	comp=Z,2.4nm,0.6s	Obninsk	62.45 330	ePP	P	20 35 36.7 -0.3
OBN	comp=Z,2.4nm,0.6s	Obninsk	62.45 330	eSP	P	20 35 42.1 +1.0
OBN	comp=Z,2.4nm,0.6s	Obninsk	62.45 330	ePPP	P	20 37 39.7
OBN	comp=Z,2.4nm,0.6s	Obninsk	62.45 330	ePPP	P	20 39 08.1
OBN	comp=Z,4.0nm,0.9s	Obninsk	62.45 330	MLR	MLR	21 06 29.3
BRDH	comp=Z,1.5nm,16.0s	Bariahadla	62.45 371	LR	LR	21 06 29.3
CHGR	comp=Z,1.5nm,16.0s	Chuyangaron	62.59 299	P	P	20 35 23.8 -0.8
CHGR	comp=Z,1.5nm,16.0s	Chuyangaron	62.59 299	P	P	20 35 23.8 -0.8
SIMJ	comp=Z,2.1nm,0.8s	Simiganj	62.67 299	P	IAMB	20 35 24.3 -0.9
SIMJ	comp=Z,2.1nm,0.8s	Simiganj	62.67 299	IAMB	IAMB	20 35 43.1
HFS	comp=Z,2.6nm,0.6s	Hagfors	62.94 345	P	P	20 35 25.8 -0.7
HFS	comp=Z,2.6nm,0.6s	Hagfors	62.94 345	LR	LR	21 05 30.6
NIL	comp=Z,2.2nm,1.1s	Nilore	64.31 292	P	P	20 35 35.5 -0.4
NIL	comp=Z,2.2nm,1.1s	Nilore	64.31 292	P	P	20 35 35.6 -0.4
HNR	comp=Z,1.85nm,20.3s	Honiara	64.42 186	LR	LR	20 57 47.2
L44A	comp=Z,1.85nm,20.3s	Lake County Fo	64.90 52	P	P	20 35 38.3 -1.3
VHRN	comp=Z,5.1nm,0.8s	Van Horn	65.19 71	P	IAMB	20 35 42.1 +0.2
WMOK	comp=Z,6.5nm,0.8s	Wichita Mounta	65.44 64	P	P	20 35 43.5 +0.2
WMOK	comp=Z,6.5nm,0.8s	Wichita Mounta	65.44 64	P	P	20 35 47.0
APMT	comp=Z,9.3nm,0.7s	Aspermont	65.86 66	IAMB	IAMB	21 06 58.3
SADO	comp=Z,1.03nm,18.4s	Sadow	66.66 44	LR	LR	21 06 58.3
CCM	comp=Z,9.8nm,0.9s	Cathedral Cave	66.61 57	P	IAMB	20 35 49.9 -0.8
CCM	comp=Z,9.8nm,0.9s	Cathedral Cave	66.61 57	P	P	20 35 49.9 -0.8
TX31	comp=Z,1.0nm,0.9s	Lajitas Ar, Si	67.03 71	IAMB	IAMB	20 35 55.7
TXAR	comp=Z,9.7nm,0.7s	Lajitas Array	67.03 71	P	P	20 35 54.1 +0.4
TXAR	comp=Z,9.7nm,0.7s	Lajitas Array	67.03 71	P	P	20 35 54.7 +1.0
TXAR	comp=Z,7.9nm,0.6s	Lajitas Array	67.03 71	P	P	20 35 54.1 +0.4
PLXP	comp=Z,9.5nm,0.7s	Palo Pinto	67.18 65	IAMB	IAMB	20 35 55.4
LPIG	comp=Z,7.1nm,20.3s	La Paz	67.41 80	LR	LR	20 59 19.9
O48B	comp=Z,7.1nm,20.3s	Farand	67.68 51	P	P	20 35 56.3 -1.2
BRDY	comp=Z,5.3nm,0.7s	Brady	68.02 67	IAMB	IAMB	20 36 02.9
PBMO	comp=Z,1.0nm,0.4s	Poplar Bluff	68.02 67	P	P	20 35 59.2 -0.5
JCT	comp=Z,1.0nm,0.9s	Junction City	68.22 68	IAMB	IAMB	20 36 02.4
AKASG	comp=Z,0.9nm,0.4s	Malin Array Be	68.43 332	P	P	20 36 00.7 -1.3
AKASG	comp=Z,0.9nm,0.4s	Malin Array Be	68.43 332	iP	P	20 36 04.4 +2.4
DRIO	comp=Z,1.0nm,0.4s	Del Rio	68.61 69	P	IAMB	20 36 03.4 -0.1
X40A	comp=Z,8.8nm,0.8s	Basin Creek Fa	68.66 60	IAMB	IAMB	20 38 07.7
EKA	comp=Z,8.4nm,0.8s	Eskdamuir Ir	69.55 353	P	P	20 36 08.6 -0.3
WVT	comp=Z,4.5nm,0.7s	Waverly	69.78 56	P	P	20 36 10.8 +0.2
WVT	comp=Z,4.5nm,0.7s	Waverly	69.78 56	P	P	20 36 10.8 +0.2
833A	comp=Z,1.2nm,0.7s	Chaparral WMA	70.14 69	P	P	20 36 12.1 -0.8
COEN	comp=Z,6.8nm,0.8s	Coen	71.28 203	IAMB	IAMB	20 36 21.6
STHS	comp=Z,7.1nm,0.7s	Stebnicka Huta	71.62 336	eP	P	20 36 23.0 +1.3
STHS	comp=Z,7.1nm,0.7s	Stebnicka Huta	71.62 336	eP	P	20 36 23.0 +1.3
KOLS	comp=Z,7.1nm,0.7s	Koloniche sedl	71.83 335	eP	P	20 36 26.8 +3.9
TKL	comp=Z,0.9nm,0.4s	Tuckaleechee C	72.06 53	LR	LR	21 09 27.2
VRAC	comp=Z,1.72nm,19.4s	Vranov	72.74 339	LR	LR	21 14 24.7
YVHS	comp=Z,2.7nm,18.3s	Vynne	73.04 337	eP	P	20 36 32.5 +2.4
YVHS	comp=Z,2.7nm,18.3s	Vynne	73.04 337	eP	P	20 36 32.5 +2.4
MODR	comp=Z,1.6nm,0.8s	Modra-Piesok	73.49 338	eP	P	20 36 36.9 +4.1
MDS	comp=Z,1.6nm,0.8s	Modra-Piesok	73.49 338	eP	P	20 36 36.9 +4.1
MTN	comp=Z,1.6nm,0.8s	Manton Dam	73.56 215	IAMB	IAMB	20 36 35.0
BRTR	comp=Z,0.7nm,0.6s	Batken	76.96 324	P	P	20 36 52.4 -0.7
BRTR	comp=Z,0.7nm,0.6s	Batken	76.96 324	iP	P	20 36 54.2 +1.1
WBO	comp=Z,2.7nm,0.8s	Warrungama Arr	79.08 210	P	P	20 37 04.1 -0.6
WRA	comp=Z,2.7nm,0.8s	Warrungama Arr	79.26 210	P	P	20 37 05.5 -0.2
WRA	comp=Z,2.7nm,0.8s	Warrungama Arr	79.26 210	P	P	20 37 05.6 -0.1
WRA	comp=Z,5.0nm,0.7s	Warrungama Arr	79.26 210	iP	P	20 37 06.0 +0.3
WRA	comp=Z,					

Code	Station Name	Δ° AZ'	Phase ID	ISC	h	m	s	ISC	Time	Res
OZAP	comp=N,2um,0.9s								20 34 39.0	
HAKT	HAKKARI	0.96 224	P	Pg	S				20 34 29.6 -0.3	
HAKT	HAKT								20 34 47.4 +0.4	
HAKT	comp=N,356nm,0.6s								20 34 51.0	
HAKT	comp=E,326nm,0.6s								20 34 53.0	
IMRD	Marand	1.01 62	Pg	Pg	Pn				20 34 30.7 -0.2	
IMRD	IMRD								20 34 47.9 -1.1	
CLDR	Caldiran	1.02 331	P	Pn	Pn				20 34 33.4 +0.1	
CLDR	CLDR								20 34 48.2 -0.3	
CLDR	Caldiran	1.02 331	P	Pn	Pn				20 34 33.3 0.0	
CLDR	CLDR								20 34 48.5 0.0	
VMUR	Van-Muradiye	1.07 314	P	Pn	Pn				20 34 30.1 -1.9	
VMUR	VMUR								20 34 48.5 +1.0	
VMUR	comp=N,372nm,0.6s								20 34 54.0	
VMUR	comp=E,384nm,0.6s								20 35 00.0	
MAKU	Maku	1.11 5	Pg	Pg	Pg				20 34 31.4 -1.4	
MAKU	MAKU								20 34 47.0 -0.1	
GEVA	Gevas	1.18 274	S	Pg	Pg				20 34 32.5 -1.6	
GEVA	GEVA								20 34 51.1 -1.2	
GEVA	comp=N,301nm,1.1s								20 35 00.0	
GEVA	comp=E,286nm,0.9s								20 35 00.0	
NAX	Nakhchivan	1.18 38	P	Pg	Pg				20 34 33.7 -0.4	
NAX	NAX								20 34 50.8 +1.4	
AKDM	Akdamar-Van	1.24 274	Pn	Pg	Pg				20 34 42.1 +0.9	
AKDM	AKDM								20 34 54.5 +0.7	
CUKT	Kukurca	1.25 217	P	Pn	Pn				20 34 35.2 -1.1	
CUKT	CUKT								20 35 06.0	
CUKT	comp=N,464nm,0.7s								20 35 08.0	
CUKT	comp=E,390nm,0.6s								20 35 12.0	
CUKT	Kukurca	1.25 217	Pn	Pn	Pn				20 34 36.1 -0.2	
CUKT	CUKT								20 34 53.8 -0.1	
CUKT	Azarshahr	1.26 116	Pg	Pn	Pn				20 34 36.6 0.0	
ORDUBAD	ORDUBAD	1.31 59	P	Pn	Pn				20 34 46.9 -0.8	
ORDUBAD	ORDUBAD								20 34 56.5 +1.0	
SBZ	Shahbuz	1.39 34	P	Pn	Pn				20 34 37.4 -0.8	
SBZ	SBZ								20 34 58.8 +1.5	
DYDN	Diyadin	1.46 333	P	Pn	Pn				20 34 39.9 +0.2	
DYDN	DYDN								20 34 50.9 -1.3	
HYR	Heyderabad	1.49 9	P	Pn	Pn				20 34 45.2 -0.4	
HYR	HYR								20 34 56.4 -3.3	
ADCV	BITLIS Adilcev	1.54 292	P	Pn	Pn				20 34 39.6 -0.8	
ADCV	ADCV								20 35 02.6 +1.6	
ADCV	comp=N,112nm,0.7s								20 35 08.0	
ADCV	comp=E,100nm,0.6s								20 35 12.0	
PERV	Siirt/Pervari-	1.62 260	P	Pb	Pb				20 34 41.5 -0.7	
PERV	PERV								20 35 13.0	
PERV	comp=N,455nm,0.5s								20 35 13.0	
PERV	comp=E,638nm,1.3s								20 35 13.0	
IGDI	IGDIR	1.66 347	P	Pn	Pn				20 34 42.3 +0.4	
IGDI	IGDI								20 35 06.1 +1.3	
MAHB	Mahabad	1.74 148	Pn	Pb	Pb				20 34 42.4 +0.4	
TASB	TASBURUN-IGDIR	1.75 352	Pn	Pb	Pb				20 34 43.3 -0.2	
DORK	Agr/Tutak/Do	1.79 310	P	Pn	Pn				20 34 43.8 -0.1	
DORK	DORK								20 35 08.9 +0.5	
DORK	DORK								20 35 13.0	
DORK	comp=N,116nm,0.6s								20 35 13.0	
DORK	comp=E,85nm,0.9s								20 35 29.0	
AGRB	Hanur-Agry	1.80 318	Pn	Pb	Pb				20 34 45.5 +0.1	
MLAZ	Malazgir-MUS	1.81 300	Pn	Pb	Pb				20 34 45.5 0.0	
MLAZ	MLAZ								20 34 45.5 0.0	
SIRT	Sirkak	1.83 247	Pn	Pb	Pb				20 34 45.5 -0.4	
KOTA	Agri, Merkez-K	1.87 326	P	Pn	Pn				20 34 44.9 -0.1	
KOTA	KOTA								20 35 12.2 +0.5	
KOTA	KOTA								20 35 19.0	
KOTA	comp=N,43nm,0.6s								20 35 27.0	
KOTA	comp=E,75nm,1.0s								20 35 27.0	
GNI	Garni	1.90 4	Pn	Pb	Pb				20 34 47.2 0.0	
GNI	Garni								20 34 46.2 +0.9	
GNI	GNI								20 35 13.3 +3.1	
VNNZ	Vanani	1.94 343	eP	Pb	Pb				20 34 47.2 -0.5	
VNNZ	VNNZ								20 35 17.4 +3.7	
GURO	Guroymak-BITLI	2.01 279	Pn	Pn	Pn				20 34 48.1 -0.8	
ARUZ	Aruch	2.06 350	eP	Pb	Pb				20 34 49.3 -0.6	
ARUZ	ARUZ								20 35 20.4 +2.5	
KAPZ	Kaputan	2.07 3	eP	Pb	Pb				20 34 48.1 -1.2	
KAPZ	KAPZ								20 35 19.8 +1.7	
AMBZ	Ambard	2.15 354	eP	Pb	Pb				20 34 50.7 -0.7	
AMBZ	AMBZ								20 35 22.8 +2.3	
IHSB	Hashtrud	2.34 113	Pn	Pb	Pb				20 34 53.9 -0.9	
QRD	Qoradiz	2.47 60	P	Pn	Pn				20 34 49.2 +1.2	
QRD	QRD								20 35 27.9 0.0	
KARS	Kars	2.64 335	Pn	Pn	Pn				20 34 57.4 +2.0	
GDB	GEDABAY	2.64 20	Pn	Pn	Pn				20 34 54.0 -1.5	
SVAN	Silvan-Diyarba	2.65 269	Pn	Pn	Pn				20 34 57.2 -2.6	
AGDM	Agdam	2.72 46	Pn	Pn	Pn				20 34 55.6 -0.7	
AGDM	AGDM								20 35 13.3 +1.4	
KOPR	Koprukoy-ERZUR	2.73 310	Pn	Pn	Pn				20 34 58.7 +2.0	
BLQ	Beylaqan	2.76 57	P	Pn	Pn				20 34 57.6 +0.6	
BLQ	BLQ								20 35 33.5 +2.4	
BRDA	Brd	2.86 45	P	Pn	Pn				20 34 57.7 -0.6	
BRDA	BRDA								20 35 34.2 +0.8	
SEAK	Senkaya-Erzuru	2.87 324	Pn	Pn	Pn				20 35 40.7 +2.4	
QZX	Qazax, Azerbai	2.88 12	P	Pn	Pn				20 34 56.2 -2.4	
YRD	Yardimli	2.96 76	P	Pn	Pn				20 35 00.7 +0.8	
YRD	YRD								20 35 39.8 -2.3	
LRK	Lerik	3.00 81	P	Pn	Pn				20 35 01.5 +1.2	
LRK	LRK								20 35 40.7 +0.8	
BNGB	Bingli	3.13 285	Pn	Pn	Pn				20 35 04.1 +2.0	
GLBA	Cilabab	3.16 75	P	Pn	Pn				20 35 03.3 +0.9	
GLBA	GLBA								20 35 44.1 -3.4	
ZRD	Zardab	3.16 49	S	Pn	Pn				20 35 42.0 +1.1	
MNGR	Mingechevir, A	3.19 37	P	Pn	Pn				20 35 07.1 -1.2	
MNGR	MNGR								20 35 42.0 +0.5	
ASTR	Astara	3.34 83	P	Pn	Pn				20 35 06.4 +1.5	
ASTR	ASTR								20 35 49.5 -3.2	
LKRN	Lenkeran, Azer	3.35 81	P	Pn	Pn				20 35 06.0 +1.1	
LKRN	LKRN								20 35 49.5 -3.3	
MAZI	Mazidag	3.35 258	Pn	Pn	Pn				20 35 07.0 +0.9	
KDMR	Kurdemir	3.52 52	P	Pn	Pn				20 35 07.2 -0.2	
KDMR	KDMR								20 35 51.7 +1.9	
SEKA	Sheki	3.59 34	P	Pn	Pn				20 35 08.1 -0.3	
SEKA	SEKA								20 35 52.2 +0.7	
QBL	Gabala	3.70 42	P	Pn	Pn				20 35 09.2 -0.7	
QBL	QBL								20 35 54.8 +0.6	
ZKTA	Zakatala	3.74 24	P	Pn	Pn				20 35 09.0 -1.4	
ZKTA	ZKTA								20 35 55.4 +0.2	
IML	Ismayilli	3.78 47	P	Pn	Pn				20 35 10.7 -0.4	
IML	IML								20 35 57.6 +1.3	
ALIB	&Aumilli-Bayram	3.86 62	P	Pn	Pn				20 35 12.6 +0.5	
XNO	Xinaliq	4.02 42	P	Pn	Pn				20 35 11.1 +2.4	
XNO	XNO								20 36 02.5 +0.1	
PQL	Pirkuli	4.02 50	P	Pn	Pn				20 35 13.7 -0.7	
PQL	PQL								20 36 04.1 +1.7	
GBS	Gobustan	4.09 55	P	Pn	Pn				20 35 15.6 +0.2	
GBS	GBS								20 36 06.0 +2.1	
PTEK	Pertek	4.10 281	Pn	Pn	Pn				20 35 17.0 +2.7	
SVRC	Sivrice-ELAZID	4.13 273	Pn	Pn	Pn				20 35 17.6 +1.6	
ATGJ	Altighaj	4.28 51	P	Pn	Pn				20 35 17.7 -0.1	
ATGJ	ATGJ								20 36 09.4 +0.9	
QUSAR	Qusar	4.33 40	P	Pn	Pn				20 35 18.1 -0.5	
QUSAR	QUSAR								20 36 05.6 +0.8	
QUBA	Quba, Azerbaij	4.34 43	P	Pn	Pn				20 35 17.7 -1.0	
QUBA	QUBA								20 36 11.4 +1.4	
SIZA	Siyzun	4.38 49	P	Pn	Pn				20 35 18.8 -0.5	
SIZA	SIZA									

21d 20h

Table with columns for station ID, name, frequency, and other technical details. Includes stations like MT01 Popeta, RCLB Rio Claro-Sao, LDASE Londrina, etc.

2018 DEC

Table with columns for station ID, name, frequency, and other technical details. Includes stations like LPAZ La Paz, LPZAP La Paz, LPZAP La Paz, etc.

1414

Table with columns for station ID, name, frequency, and other technical details. Includes stations like PPT2 comp=Z,341nm,22.0s, PPT Papeete, PPT Papeete, etc.

21d 21h

az=334.0
IDC 21 20:52:54.4,2.3,43:68N-105:29W,h0km,mbtp3.2/2,
ML3.0/2,Error ellipse: s-maj=56.3km s-min=10.9km

az=150.0
ISC 21 20:52:52.8,1.2,43:61N,0:07:105:12W,0:06,h0km,n22,
e193/21,Wyoming

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists various stations like Black Hills, Casper, Red Feather La, etc.

SOME 21 20:57:48.4,40:02N,77:38E,h15km
KRNET 21 20:57:53.9,0.1,40:21N,77:50E,mb3.0
NNC 21 20:57:56.7,1.0,39:94N,77:61E,h0km,mb3.8,mpv3.5,
Error ellipse: s-maj=7.9km s-min=6.2km az=10.0

ISC 21 20:57:51.9,1.7,40:02N,0:07:77:53E,0:05,h10km,n47,
e213/81,20C-9D,Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Naryn, Kajsay, Ulahol, Przheval'sk, etc.

2018 DEC

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Uzynbulak, Shalkode, Degeres, etc.

IDC 21 21:00:04.7,3.2,54:91N,164:160E,h0km,mb3.3/2,
mbmp3.3/3,ML2.5/1,Error ellipse: s-maj=106.2km
s-min=25.6km az=155.0

KRSC 21 21:00:04.7,1.3,54:86N,164:170E,h43km,33km,ML3.7
ISC 21 21:00:06.9,1.3,54:93N,0:05:164:73E,0:08,h21km,7km,
n31,e148/38,Komandorsky Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Bering, Krutoberegovo, etc.

IDC 21 21:01:46.0,4.2,17:77S,178:21W,h562km,24km,
mb3.2/3,mbtp4.0/4,Error ellipse: s-maj=115.7km
s-min=44.6km az=141.0,Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Nonsavu, Stephens Creek, etc.

1416

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like WRA, ASAR, MMAI.

SOME 21 21:10:45.0,39:95N,77:52E,h15km
NNC 21 21:10:46.0,0.9,40:08N,77:53E,h0km,mb3.6,mpv3.3,
Error ellipse: s-maj=6.7km s-min=6.0km az=78.0

KRNET 21 21:10:48.7,0.1,40:13N,0:07:77:48E,0:04,h10km,n48,
e213/79,14C-17D,Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Naryn, Kajsay, Ulahol, Przheval'sk, etc.

Table with columns: KRBS, Karabastau, 3.92 341 eP, Pb, 21 11 56.7 -1.7, etc.

IDC 21 21:11:18.4-0.9,55:52N;164.30E;h0km,mb3.6/10m, mbtmp3.7/12,ML3.4/2, Error ellipse: s-maj=31.0km

KRSC 21 21:11:18.3-1.1,54.92N;164.66E;h49km;30km,MI4.0

ISC 21 21:11:19.1-0.7,55:11N;0.08-164.59E;0.06,h10km,n33, r=141/34,mb3.5/10, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC, h, m, s, ISC

IDC 21 21:11:52.6-0.7,55:20N;164.50E;h0km,mb3.9/24, mbtmp4.0/26,ML3.8/2,MS3.6/5, Error ellipse: s-maj=20.9km s-min=12.2km az=150.0

KRSC 21 21:11:52.9-1.0,54.92N;164.61E;h48km;27km,MI4.7

MOS 21 21:11:52.7-0.8,54.99N;164.68E;h17km,mb4.5/17, Error ellipse: s-maj=7.1km s-min=6.2km az=68.7

NEIC 21 21:11:53.1-1.3,55:0N;0.2-164.7E;0.1,1.0,h0km,1km, mb4.4/43, Error ellipse: s-maj=27.1km s-min=9.7km az=166.0

ISC 21 21:11:56.0-0.4,54.98N;0.04-164.69E;0.04,h27km,n177, r=151/168,mb4.2/55,MS3.8/6,7C-4D, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: PET, Petropavlovsk, 4.07 244 eP, Pn, 21 12 54.8 -1.4, etc.

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC, h, m, s, ISC

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Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: L29M, Iamb, Iamb, 21 18 11.9, etc.

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC, h, m, s, ISC

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Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC, h, m, s, ISC

21d 21h

Table with columns: WRA, WRAM, WSAR, ESDC, Station Name, Time, Res. Includes Warramunga Arr, Alice Springs, Sonseca Array.

KRSC 21 21:13:15.0-1.0, 54.84N, 164.82E, h44km, mb3.7/10, mbmp3.8/20, ML3.2/2, MS3.7/1, Error ellipse: s-maj=25.1km s-min=14.6km az=155.0

ISC 21 21:13:16.9-0.5, 54.90N, 164.74E, h0.05, h10km, n43, r1824/77, mb3.8/18, Komandorsky Islands region

Main table for 21d 21h section with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Bering, Krutoberegovo, Tumrok, etc.

IDC 21 21:18:33.1-3.8, 54.52N, 164.57E, h0km, mb3.6/4, mbmp3.5/5, ML2.0/1, MS3.7/1, Error ellipse: s-maj=105.2km s-min=25.3km az=160.0

KRSC 21 21:18:35.7-1.2, 54.66N, 164.45E, h48km, mb3.6/4, mbmp3.8/20, ML3.2/2, MS3.7/1, Error ellipse: s-maj=25.1km s-min=14.6km az=155.0

ISC 21 21:18:37.4-2.0, 54.71N, 164.52E, h0.06, h24km, n18km, r1826/26, mb3.6/4, Komandorsky Islands region

Main table for 21d 21h section (continued) with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Bering, Krutoberegovo, Tumrok, etc.

2018 DEC

Table with columns: MKAR, BVAR, PFO, Station Name, Time, Res. Includes Makanchi Array, Borovoye Array, Pinyon Flats 0.

IDC 21 21:23:10.4-0.9, 54.88N, 164.75E, h0km, mb3.7/10, mbmp3.6/11, ML2.5/1, MS3.6/3, Error ellipse: s-maj=30.5km s-min=17.5km az=156.0

KRSC 21 21:23:11.4-1.1, 54.82N, 164.74E, h48km, mb3.6/4, mbmp3.8/20, ML3.2/2, MS3.7/1, Error ellipse: s-maj=25.1km s-min=14.6km az=155.0

ISC 21 21:23:13.9-2.4, 54.90N, 164.78E, h0.05, h24km, n18km, r1920/37, mb3.6/10, MS3.5/3, Komandorsky Islands region

Main table for 2018 DEC section with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Bering, Krutoberegovo, Tumrok, etc.

1418

Main table for 1418 section with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Willow, Rabbit Creek A, Glory Hole Cre, etc.

JMA 21 21:31:21.8-0.2, 25.1N, 122.3E, h24km, MV1.9/11, TAIWAN REGION

TAP 21 21:31:21.3, 24.56N, 122.21E, h10km, 1km, ML2.5, C

ISC 21 21:31:21.2, 24.9, 122.24E, h0.02, h10km, n18km, r1826/26, mb3.6/4, Komandorsky Islands region

Main table for 1418 section (continued) with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like EOS2, EOS3, ESOA, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and IISC. Includes stations like Ouen Island, Mont Dzumac, Waramungarra, etc.

IDC 21 21:40:15.0:1.9,5:59S:152.32E, h0km, mb3.4/4, mbmp3.5/5, ML1.7/1, Error ellipse: s-maj=78.1km s-min=23.0km az=125.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and IISC. Includes stations like Port Moresby, Waramungarra, Alice Springs, etc.

NOU 21 21:54:20.5:33.97S:135.06E, h0km, ML4.1/9, Near Coast of South Australia

IDC 21 21:54:20.0:4.8,33:69S:134.95E, h0km, mbmp3.4/4, ML3.5/4, Error ellipse: s-maj=49.1km s-min=25.8km az=23.0

AUST 21 21:54:23.0:2.0,6,34:53S:133.5E, h10km, mb4.0/4, ML3.3/16, Error ellipse: s-maj=10.6km s-min=6.1km az=94.2

IDC 21 21:54:20.3:1.1,33.93S:135.05E:0.07, h10km, n33, s1876/39, Near coast of South Australia

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and IISC. Includes stations like BBOO, BBOC, BBOO, etc.

IDC 21 22:12:47.3:2.6,37:38N:77.77E, h0km, mb3.7/2, mbmp3.5/5, ML3.4/2, Error ellipse: s-maj=47.1km s-min=24.5km az=97.0

IDC 21 22:12:51.6:2.2,37.8N:02:77.4E:0.2, h10km, n5, s158/6, Southern Xinjiang

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and IISC. Includes stations like Ala-Archa, Alankanchi Array, Borovoye Array, etc.

TEH 21 22:14:42.7,30.36'N,57.48'E, h10km, 56km, ML3.6, Northern and central Iran

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and IISC. Includes stations like Kerman Province, Cheshme madani, TVKB, etc.

IDC 21 22:19:03.2:0.6,54:73N:164.05E, h0km, mb4.0/31, mbmp4.1/34, ML3.2/2, MS3.3/12, Error ellipse: s-maj=18.0km s-min=10.2km az=162.0

KRSC 21 22:19:03.7:1.5,54:81'N,164:13E, h50km, 34km, ML4.3 NEIC 21 22:19:06.0:1.4,54:30N:163:31E, h10km, Ykm, mb4.4/4, Error ellipse: s-maj=26.8km s-min=16.0km az=154.0

MOS 21 22:19:06.4:0.9,54:71'N:164:10E, h35km, mb4.7/19, Error ellipse: s-maj=6.6km s-min=5.7km az=89.2

IDC 21 22:19:04.3:2.7,54:67N:163:03E:0.03, h8km, 17km, n194, s141/228, mb4.4/69, MS3.5/10, 10C-1D, Komandorsky Islands region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and IISC. Includes stations like Bering, Krutoberegovo, Berymyannyi-Fe, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and IISC. Includes stations like Russkaya, Petropavlovsk, Petk, etc.

21d 22h

Table of satellite data for 21d 22h, including columns for station name, frequency, polarization, and coordinates.

2018 DEC

Table of satellite data for 2018 DEC, including columns for station name, frequency, polarization, and coordinates.

1420

Table of satellite data for 1420, including columns for station name, frequency, polarization, and coordinates.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like PSTR Posyet, USRK Ussuriysk Ar., and many others.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ULN comp=Z,29nm,1.3s, MID Middleton Isla, and many others.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like D08A comp=Z,9.1nm,1.2s, ELK Elko, and many others.

NEIC 21 22:25:13.6:1.2, 19:81N:0.05:155:55W:0.03, h31km, gkm, Error ellipse: s-maj=7.4km s-min=4.5km az=174.0

HVO 21 22:25:15.2:1.3, 19:80N:0.04:155:54W:0.03, h25km, gkm, M2L2.7/38(NEIC), Error ellipse: s-maj=5.8km s-min=4.0km az=214.0, Hawaiian Islands

Table with columns for Code, Station Name, Az, Phase ID, Time, and Res. Includes stations like POHA Pohakuloa, HMH Humu'ula Sheep, and many others.

21d 22h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like UWE Uwekahuna, OBL Observatory Le, SBLHI Steaming Bluff, etc.

IDC 21 22:30:59.0, 0.9, 16.175r:167E, h0km, mb4.2/11, mbtmp4.2/13, ML4.4/2, Error ellipse: s-maj=24.2km

s-min=19.7km az=136.0, ISC 21 22:31:00.3, 0.7, 16.225r:0.1x167.8E:0.1, h10km, n13, r106/12, mb4.2/10, Vanuatu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM Mt Dzumac, MSVF Nonsava, CTA Charters Tower, etc.

IDC 21 22:31:21.8, 0.7, 54.92N:164.32E, h0km, mb3.9/18, mbtmp3.9/19, ML2.6/1, MS2.9/3, Error ellipse:

s-maj=21.2km s-min=13.2km az=161.0, KRSC 21 22:31:22.7, 1.6, 54.88N:164.38E, h49km, 33km, ML4.1

NEIC 21 22:31:23.6, 1.6, 54.9N:0.3:164.5E:0.3, h10km, 2km, mb4.2/41, Error ellipse: s-maj=60.0km s-min=4.4km az=156.0

MOS 21 22:31:25.0, 0.7, 54.93N:164.38E, h41km, mb3.7/1, Error ellipse: s-maj=7.7km s-min=6.6km az=54.4

ISC 21 22:31:22.1, 2.5, 54.96N:0.03:164.33E:0.04, h3km, 10km, n142, r183/171, mb4.1/37, Komandors Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BKI Bering, KRBT Krutoberegovo, SMKR Semkarok, etc.

2018 DEC

Table with columns: KLY, Klyuchi, 2.49 305 eP, Pn, 22 32 03.5 -0.1, etc. Includes stations like KLY Klyuchi, KOZ Kozyrevsk, KII Karymskiy, etc.

1422

Table with columns: Q29M Mount Kennedy, 30.18 56 P, P, 22 37 31.7 -1.8, etc. Includes stations like Q29M Mount Kennedy, JNU Nakatsue, Q32M Nakina River, etc.

Table with columns for station ID, name, coordinates, and various performance metrics (pmx, pmax, etc.). Includes stations like HHC, HEH, BTO, ZEA, KIWB, MA2, UNV, YAK, etc.

Table with columns for station ID, name, coordinates, and various performance metrics. Includes stations like R16K, O15K, K13K, M14K, L14K, N15K, M15K, P16K, S11, S12, O16K, L15K, J14K, Q16K, V17K, V18K, V19K, V20K, V21K, V22K, V23K, V24K, V25K, V26K, V27K, V28K, V29K, V30K, V31K, V32K, V33K, V34K, V35K, V36K, V37K, V38K, V39K, V40K, V41K, V42K, V43K, V44K, V45K, V46K, V47K, V48K, V49K, V50K, V51K, V52K, V53K, V54K, V55K, V56K, V57K, V58K, V59K, V60K, V61K, V62K, V63K, V64K, V65K, V66K, V67K, V68K, V69K, V70K, V71K, V72K, V73K, V74K, V75K, V76K, V77K, V78K, V79K, V80K, V81K, V82K, V83K, V84K, V85K, V86K, V87K, V88K, V89K, V90K, V91K, V92K, V93K, V94K, V95K, V96K, V97K, V98K, V99K, V100K.

Table with columns for station ID, name, coordinates, and various performance metrics. Includes stations like G16K, ILSW, TIXI, O20K, H17K, H17K, HOM, L19K, L19K, G17K, CNPM, J18K, J18K, BRLL, BRSE, F17K, F17K, M20K, M20K, M20K, SPCR, H18K, H18K, L20K, ZSN, ZSN, C16K, C16K, C16K, CAPN, E17K, J19K, J19K, J19K, GCSA, D17K, STLK, G18K, G18K, G18K, K20K, K20K, SLKM, F18K, RDOG, RDOG, SEW, O22K, O22K, SKT, SKT, SUA, SUA, E18K, E18K, C17K, H19K, H19K, J20K, J20K, PPLA, RC01, RC01, G19K, G19K, I20K, I20K, M22K, M22K, CAST, CAST, F19K, F19K, H20K, CHUM, CUT, CUT, PWL, PWL, P23K, C18K, C18K, C18K, PMR, PMR, PMR, PMR, PMR, MK31, MK31, MK31, MKAR, MKAR, MKAR.

21d 23h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MKAR, GHO, KNO, KNK, Q23K, MAK2, KAAM, KTH, B18K, E19K, SML, TRF, GLI, BPAW, F20K, IMAR, WUS, M23K, C19K, H21K, D19K, ZAAO, ZALV, WAT1, SCM, SHLS, SCM, SCM, SHLS, EYAK, G21K, RND, WAT6, A19K, MCK, B20K, EWN, UZB, UZB, KAIM, KLU, D20K, H22K, F21K, F21K, DHY, M24K, NEA2, KPKS, BMRM, SATY, ZHN, I23K, I23K, WRH, G22K, N25K, M25K, B20K, B20K, COLA, COLA, C21K, TDK.

2018 DEC

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like PAX, GLB, HDA, HDA, CRQE, G23K, G23K, VRDI, POKR, POKR, POKR, K24K, IL31, ILAR, ILAR, E22K, E22K, B21K, B21K, COLD, MCARA, H24K, H24K, MDOK, KSH, KSH, TNS5, RIDG, RIDG, AAA, MENT, MENT, A21K, J25K, J25K, M26K, L26K, L26K, NRN, E23K, E23K, CTG, G24K, G24K, A22K, B22K, B22K, SCRK, SCRK, SCRK, D23K, D23K, PINM, F24K, F24K, TOLK, TOLK, TOLK, M27K, M27K, KURK, KURK, E24K, E24K, E24K, KURBB, KURBB, KURBB, O28M, J26L, J26L, G25K, TKM2, L27K, L27K, C23K, C23K, C23K.

1426

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BCAR, NIL, NIL, YUK3, BVCY, D24K, D24K, YUK8, KBK, I26K, I26K, O29M, O29M, O29M, F25K, F25K, C24K, C24K, CHMS, P29M, P29M, FRU1, FRU1, FRU1, AAK, AAK, AAK, AAK, E25K, E25K, YUK6, SGDS, SGDS, YUK4, BMAR, BMAR, S31K, G26K, EGAK, EGAK, EGAK, F26K, F26K, D25K, D25K, SIT, SIT, SIT, I27K, HYT, HYT, P30M, AML, M29M, M29M, EKS2, PLBC, H27K, DAWY, DAWY, BTLS, BTLS, BTLS, N30M, N30M, S32K, G27K, G27K, G27K, ARSB, ARSB, ARSB, L29M, L29M, I28M, I28M, I28M, SKAG, SKAG, SKAG, O30N, O30N, C26K, R32K, U33K, NRIK, NRIK, NRIK, NRIK.

Table with columns: Station ID, Name, Frequency, Power, Mode, and Time. Includes stations like M30M Minto, Yukon; M30M Minto, Yukon; M30M Minto, Yukon; C27K Jago River; K29M Barlow Dome; N31M Braeburn, Yuko; N31M Braeburn, Yuko; E27K Coleen River; E27K Coleen River; DRK Karamyk; DRK Karamyk; DRK Whitehorse; WHY Whitehorse; WHY Whitehorse; WRAK Wrangell Islan; WRAK Wrangell Islan; F28M Old Crow; F28M Old Crow; H29M Whitestone; H29M Whitestone; P32M Atlin; P32M Atlin; V35K Ketchikan; MAYO Mayo, Yukon; MAYO Mayo, Yukon; D27M Malcolm River; D27M Malcolm River; J30M Hart River; J30M Hart River; G29M Pine Creek; G29M Pine Creek; M31M Drury Creek, Y; M31M Drury Creek, Y; E28M Babbage River; E28M Babbage River; BTk Batken; BTk Batken; I30M Mount Dempster; I30M Mount Dempster; DZA Taraz; DZA Taraz; Q32M Nakina River; Q32M Nakina River; P33M Teslin, Yukon; P33M Teslin, Yukon; GAR Garm; EPYK Eagle Plains; EPYK Eagle Plains; N32M Quiet Lake; N32M Quiet Lake; FARO Faro, Yukon; FARO Faro, Yukon; S34M Telegraph Cree; S34M Telegraph Cree; E29M Blow River; E29M Blow River; D28M Stokes Point; D28M Stokes Point; G30M tAoh Zraii Nji; G30M tAoh Zraii Nji; K30M Karatay Array; K30M Karatay Array; KBL Kabul; KBL Kabul; T35M Bob Quinn; T35M Bob Quinn; R33M Jennings River; R33M Jennings River; IUG luzhnay; IUG luzhnay; QSPA South Pole Qui; QSPA South Pole Qui; MAW Mawson; MAW Mawson; F30M Barrier River; F30M Barrier River; H31M Peel River; H31M Peel River; CHGR Chuyangaron; CHGR Chuyangaron; DLBC Dease Lake; DLBC Dease Lake.

Table with columns: Station ID, Name, Frequency, Power, Mode, and Time. Includes stations like BRLS Borolday; BRLS Borolday; SIMJ Simiganj; SIMJ Simiganj; SIMJ Chikment; CHM Chikment; CHM Chikment; G31M Satah River; G31M Satah River; F31M Tsightehotic; F31M Tsightehotic; F31M Tsightehotic; F31M Tsightehotic; INK Inuvik; INK Inuvik; INK Inuvik; INK Inuvik; ROCAM Rodrigues Is; WTLY Watson Lake, Y; WTLY Watson Lake, Y; BVAR Borovoye; BVAR Borovoye; BVAR Borovoye; BVAR Borovoye; BRVK Borovoye; BRVK Borovoye; BRVK Borovoye; BRVK Borovoye; K02D Willamette Mer; K02D Willamette Mer; O02D Mt. Diablo Mer; O02D Mt. Diablo Mer; YBH Yreka Blue Hor; YBH Yreka Blue Hor; YBH Yreka Blue Hor; YBH Yreka Blue Hor; L04D Klamath Falls; L04D Klamath Falls; I04A Tendick Farm; I04A Tendick Farm; TOAD Toad River Com; TOAD Toad River Com; GNW Green Mountain; GNW Green Mountain; J04A Umpqua Nationa; ORV Oroville; ORV Oroville; K04D Chiloquin, OR; BBGB Big Mountain B; HATC Hat Creek Radi; HATC Hat Creek Radi; AFDM Forest Hills D; AFDM Forest Hills D; KOTAN Kotaneelee Air; KOTAN Kotaneelee Air; J05D Fort Rock, OR; CMB Columbia Colle; CMB Columbia Colle; PINE Pine Mountain; PINE Pine Mountain; MPK Martis Peak; WRGLY Wrigley; WRGLY Wrigley; PNTR Pine Nut; PNTR Pine Nut; MXC Moxie City; MXC Moxie City; WAKR Walker; A36M Sachs Harbour; A36M Sachs Harbour; A36M Paulatuk; A36M Paulatuk; C36M Paulatuk; C36M Paulatuk; PAHR Pah Rah Range; YERR Yerington; YERR Yerington; E07A Sunnyside; OMMB Old Mammoth Mi; I07A Ize; I07A Ize; HAWA Hanford; HAWA Hanford; PNT Penticon; PNT Penticon; ISA Isabella, Lake; ISA Isabella, Lake; ISA Isabella, Lake; B08A Colville Reser; LHV Little Huntoon; LHV Little Huntoon; RYN Ryan; RYN Ryan; E08A Dider Farm, El; E08A Dider Farm, El; PASC Pasadena Art C; PASC Pasadena Art C; G08A Pilot Rock; G08A Pilot Rock; HRA Herat; HRA Herat; WVOR Wild Horse Val; WVOR Wild Horse Val; WVOR Wild Horse Val; WVOR Wild Horse Val; D08A Wollman Farm; D08A Wollman Farm; NVAR Mina Array Bea; NVAR Mina Array Bea; NV11 Mina Array Sit; NV11 Mina Array Sit.

Table with columns: Station ID, Name, Frequency, Power, Mode, and Time. Includes stations like J08A Circle Bar Ran; J08A Circle Bar Ran; DSP Deep Springs; DSP Deep Springs; ELS Elsinore Mount; E09A Wood Farm, Sta; E09A Wood Farm, Sta; GRAC Grapevine Rang; GRAC Grapevine Rang; MZP Montezuma Peak; MZP Montezuma Peak; GMN Gold Mountain; BMM Battle Mountai; BMM Battle Mountai; BMO Blue Mountains; BMO Blue Mountains; BMO Blue Mountains; GSC Goldstone, Bar; GSC Goldstone, Bar; GSC Goldstone, Bar; CBX Cerro Bola; CBX Cerro Bola; TKX Tecate; F10A Beach Ranch, E; GWY Greenwater Val; GWY Greenwater Val; WCT Wildcat Mounta; WCT Wildcat Mounta; NEW Newport; NEW Newport; PFO Pinyon Flats O; PFO Pinyon Flats O; PFO Pinyon Flats O; TPNV Topopah Spring; TPNV Topopah Spring; TPNV Topopah Spring; ESJX Sierra Juarez; ESJX Sierra Juarez; YUH Yuha Desert; YUH Yuha Desert; VTX Valle De La Tr; PLID Pearl Lake; PLID Pearl Lake; ABKAF Camas Ranch; ABKAF Camas Ranch; R11B Troy Canyon, C; R11B Troy Canyon, C; SHPR Sheep Range; ELK Elko; ELK Elko; PRN Pahroc Range; PRN Pahroc Range; V12A Nelson; V12A Nelson; Q12A Willow Creek R; YKA Yellowknife R; YKA Yellowknife R; YKA Yellowknife R; YKA Yellowknife R; YKAB New Yellowknif; BLYC Blythe; BLYC Blythe; ARTI Arti; ARTI Arti; ARTI Arti; ARTI Arti; HLD Hailey; SPR3 Spring Creek 3; SPR3 Spring Creek 3; PSUT Pine Spring; H13A Mohawk Valley; H13A Mohawk Valley; CCUT Cedar City; LCMT Little Creek M; SZCU Shurtz Canyon; Y14A Big Grassy Mou; Y14A Wickenburg; Y14A Wickenburg; MCMT McKenzie Canyo; DUG Dugway, Tooele; DUG Dugway, Tooele; HVU Hansel Valley; HVU Hansel Valley; KNB Kanab; KNB Kanab; PKCU Pink Cliffs; PKCU Pink Cliffs; U15A North Rim; U15A North Rim; MTPU Mount Pierson; MTPU Mount Pierson; BOZ Bozeman (W); BOZ Bozeman (W); BOZ Bozeman (W); BOZ Bozeman (W); JLU Jordanelle; JLU Jordanelle; X16A Lupo Camp, P; WUAZ Wupaiki; WUAZ Wupaiki; FXWY Fox Creek; FXWY Fox Creek.

21d 23h

Table of satellite data for 21d 23h, listing station names, coordinates, and status. Includes entries like TMUT Trail Mountain, MOOV Moose Ponds, ELIB Princess Elisa, X18A Snowflake, RDMU Red Mountain, etc.

2018 DEC

Table of satellite data for 2018 DEC, listing station names, coordinates, and status. Includes entries like PLCA Paso Flores, MORH Mrgy, Hungary, CLL Collin, LSZ Lusaka, PRU Pruhonice, etc.

1428

Table of satellite data for 1428, listing station names, coordinates, and status. Includes entries like BFZ Birch Farm, BFZ Birch Farm, MSWZ Moikau Station, etc.

NEIC 21 23:46:16.4e2.0, 17.4s.0:1.78:8W.0:1.h550km,6km, mb4,6/11, Error ellipse: s-maj=16.5km s-min=13.5km az=141.0

NOU 21 23:46:17.3, 17:33s:178:95W,h567km,mb5.0/83, Fiji Islands Region

ISC 21 23:46:16.0,0.3, 17:31S:0:05:178:91W:0:05,h550km, n377,+f122/381,mb4,7/99,2C-8D, Fiji Islands region

Table of station data for NEIC, NOU, and ISC, including station names, coordinates, and status.

2018 DEC

Table of satellite data for 2018 DEC, listing station names, coordinates, and status. Includes entries like WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, etc.

Table of satellite data for 2018 DEC, listing station names, coordinates, and status. Includes entries like BKZ Black Stump Fm, BKZ Black Stump Fm, BKZ Black Stump Fm, etc.

1429

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like INZ, OXZ, RPZ, TMZ, etc.

2018 DEC

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like MUN, WBSI, MORW, etc.

21d 23h

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like GSI, MAW, HLID, etc.

22d Oh

Table with 4 columns: Station Name, Frequency, Band, and other parameters. Includes entries like MYKA Terra Mystica, SQA Sankt Quirin, CRES Cresnjevec Ost, etc.

KRSC 21 23:59:10.91, 1.3, 54.85KN:164.59E, h0km, m3.7
IDC 21 23:59:10.91, 1.3, 54.85KN:164.59E, h0km, m3.4/4,

ISC 21 23:59:10.6-1.1, 54.80N:05.164-44E:0.04, h27km, n39,

Code Station Name Az AZ Phase ID Time Res

Table with 5 columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Lists various stations and their coordinates.

Code Station Name Az AZ Phase ID Time Res

Table with 5 columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Continuation of station list.

UPL 22 00:18:41.8-0.0, 67.85N:20.21E, h0km, ML2.3, Unknown
HEL 22 00:18:42.1-0.3, 67.83N:20.34E, h0km, ML1.8, Suspected

IDC 22 00:18:42.1-0.2, 67.78N:20.50E, h0km, mtbnp3.1/4,

ISC 22 00:18:41.2-0.8, 67.81N:0.03:20.50E:0.03, h0km, m29,

Code Station Name Az AZ Phase ID Time Res

Table with 5 columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Continuation of station list.

22d DEC

Table with 4 columns: Station Name, Frequency, Band, and other parameters. Includes entries like RAJF Raja-Joseppi, RANF Ranua, KEV Kev, etc.

NEIC 22 00:32:27.4-1.2, 37.79N:0.03:71.69E:0.07, h5km, 1km,

MOA 22 00:32:27.4-1.2, 37.79N:0.03:71.69E:0.07, h5km, 1km,

MOS 22 00:32:28.2-1.3, 37.82N:71.82E, h24km, mb4.5/26 Error

NEIC 22 00:32:28.2-1.3, 37.84N:71.70E, h4km

IDC 22 00:32:29.3-5.3, 37.85N:1.71E, h28km, 23km, mb5.9/22,

Code Station Name Az AZ Phase ID Time Res

Table with 5 columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Lists various stations and their coordinates.

Code Station Name Az AZ Phase ID Time Res

Table with 5 columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Continuation of station list.

Code Station Name Az AZ Phase ID Time Res

Table with 5 columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Continuation of station list.

Code Station Name Az AZ Phase ID Time Res

Table with 5 columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Continuation of station list.

1430

Table with 4 columns: Station Name, Frequency, Band, and other parameters. Includes entries like PDGK Podgornoye, HRA Herat, DDI Dehra Dun, etc.

MGK Makanchi 11.82 37 P Pn

MAKZ Makanchi 11.82 37 P Pn

MK31 Makanchi Array 11.96 37 P Pn

MK31 Makanchi Array 11.96 37 P Pn

MK31 Makanchi Array 11.96 37 P Pn

MKAR Makanchi Array 11.96 37 P Pn

MKAR Makanchi Array 11.96 37 P Pn

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MKAR Makanchi Array 11.96 37 P Pn

MKAR Makanchi Array 11.96 37 P Pn

22d Oh

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like AKASG Malin Array Be, KBZ Khabaz, BRTR Keskin Array B, BOSA Boshof.

SOME 22:00:50:02.9,39:75N:77:50E,h10km
KRNET 22:00:50:03.0,0.1,39:75N:77:61E,mb3.0
NINC 22:00:50:04.5,1.3,39:81N:77:51E,h0km,mb3.9,mpv3.5

Main table for 22d Oh observations, listing station codes (TARG, NRN, KDJ, etc.), station names (Taragay, Naryn, Kajisay, etc.), and various parameters like Az, El, P, Res, Time, Res.

2018 DEC

Main table for 2018 DEC observations, listing station codes (KTBS, CHKK, CHHK, etc.), station names (Karabatoe, Chushkaly, Karabastau, etc.), and various parameters like Az, El, P, Res, Time, Res.

1432

Main table for 1432 observations, listing station codes (KDTR, TILK, PAU, etc.), station names (Khodutka, Tilichiki, Pazuhetka, etc.), and various parameters like Az, El, P, Res, Time, Res.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like ZALV, SPITS, G05A, BYL, etc.

OSPL 22 01:04:30.5:1.6, 19.62N:71.45W, h5km, 14km, MDL2.3
SDD 22 01:04:31.0:1.5, 19.62N:71.29W, h18km, 37km, MD3.1,
ML2.4, MW2.8

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like LODA1, MCDR, LOPP1, etc.

IDC 22 01:11:36.4:1.2, 55.34N:164.44E, h0km, mb3.37,
mbmp3.38, ML2.81, MS2.91, Error ellipse: s-maj=34.3km
s-min=25.8km az=172.0

KRSC 22 01:11:37.0:5.7, 55.30N:164.61E, h1km, 17km, MI3.9
ISDC 22 01:11:39.4:0.7, 55.35N:164.59E:0.05, h2km, n39,
o150142, mb3.47, Komandorsky Islands region

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like BKI, KBTR, KBG, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like KRMR, PETK, MTRV, etc.

MOS 22 01:21:30.7:1.0, 54.91N:164.74E, h15km, mb4.6/8, Error
ellipse: s-maj=6.6km s-min=6.2km az=87.3
KRSC 22 01:21:31.0:1.1, 54.93N:164.71E, h50km, 25km, MI4.3
IDC 22 01:21:30.0:0.7, 54.95N:164.84E, h0km, mb4.0/20,
mbmp4.0/21, ML3.2/1, MS3.0/5, Error ellipse:
s-maj=21.3km s-min=13.6km az=151.0
NEIC 22 01:21:31.7:1.3, 54.94N:164.8E:0.2, h10km, 2km,
mb4.3/31, Error ellipse: s-maj=29.0km s-min=17.6km
az=156.0

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like BKI, KBTR, KBG, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like ZEA, E19K, B20K, etc.

22d 1h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like NOA NORARS Array B, HFS Hagfors, TXAR Lajitas Array, AKASG Malin Array Be, KBZ Khabaz, LANS Liptovska Anna, VYHS Vyhne, BRTR Keskin Array B, WRA Warramunga Arr, ASAR Alice Springs, ESDC Sonseca Array, DGAR Diego Garcia.

ISC 22 01:25:15.1-1.4, 55.55N:164.33E, h0km, mb3.2/6, mbmp3.2/6, Error ellipse: s-maj=47.9km s-min=26.3km az=164.0

ISC 22 01:25:18.6-1.0, 55.56N:02x164.3E:0.2, h22km, n7, az=164.0, Komandorsky Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like PETK Petropavlovsk, ILAR Eielson Array, YKA Yellowknife Ar, KURBB Kurchatov Arra, MKAR Makanchi Array, TXAR Lajitas Array, ASAR Alice Springs.

ISC 22 01:38:59.2:0.9, 54.73N:164.06E, h0km, mb3.5/10, mbtmp3.5/11, Error ellipse: s-maj=32.5km s-min=16.4km az=155.0

KRSC 22 01:38:59.6:1.3, 54.62N:164.23E, h49km, mb3km, ML3.5, ISC 22 01:39:02.5:0.7, 54.68N:016:164.24E:0.05, h25km, n21, az=131.28, mb3.5/10, Komandorsky Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like BKI Bering, KBTR Krutoberegovo, KBTU Tumrok, KBNR Kamenistaya, KIRR Kirishev, KPT Kopyto, KRER Koryakskii, KRX Arik, PETK Petropavlovsk, MTRV Mutnovka, USRK Ussuriysk Ar, MJAR Matsushiro Arr, ILAR Eielson Array, SONM Songino Array, YKA Yellowknife Ar, KURBB Kurchatov Arra, MKAR Makanchi Array, TXAR Lajitas Array, WRA Warramunga Arr, ASAR Alice Springs.

SNET 22 01:42:33.6:1.0, 13.78N:91.34W, h14km, mb3.5, CATAC 22 01:42:33.4:0.6, 14.03N:91.39W, h74km, mb3.5, GCG 22 01:42:36.3:0.3, 14.36N:91.21W, h74km, 14km, MD3.5, ISC 22 01:42:34.4:0.2, 14.15N:008:91.31W:0.06, h87km, n15km, n27, az=98/46, Guatemala

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like SULM Suchitepequez, RTAL Retalhuleu, RTAL Retalhuleu, FUG Fuego 3, STG3 Santiaguillo 3, SOKI Kika Raqxun, GUMI Mixco, GCG4 OSOP, SMCA Catarina.

2018 DEC

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like NBG Las Nubes, QUIS Sacapulas, QUIS, QUEH Huehuetenango, FAME Alcadia de Sa, SLOZ Alcadia de Sa, LOAL Lomas de Alarc, NUBE Las Nubes, SMLS San Blas, CEVE Cerro Verde, CEVE Cerro Verde, JAYA Jayaque - finc, MTO3 Montecristo, PMON Piamonte, LALI Alcadia de, COEG Centro de Oper, KRSC 22 01:49:38.3:1.2, 55.00N:163.06E, h29km, mb3.5/20, MOS 22 01:49:42.1:0.8, 55.14N:162.69E, h61km, mb4.3/6, NEIC 22 01:49:42.9:0.7, 55.4N:0.1x162.3E:0.2, h35km, mb2, ID 22 01:49:44.7:0.7, 55.20N:162.45E, h65km, mb3.5/20, ISC 22 01:49:43.8:0.6, 55.12N:0.04x162.80E:0.05, h59km, mb3.5/20, n121, az=146/139, mb4.0/30, MS3.6/6, 1C-1D, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like KBTR Krutoberegovo, KBG Krutoberegovo, KBZ Krutoberegovo, BPP Bezmyanni-Pe, TUMR Tumrok, BZMR Bezmyannaya, BZWR Bezmyanni-We, KMINR Kamenistaya, KIRR Kirishev, SMKR Semkarok, KRKR Krestovskiy, KPT Kopyto, KLY Klyuchi, KOZ Kozzyrevsk, KII Karymskiy, KII Karymskiy, ESO Esso, SPN Mys Shipunski, NALY Nalytchevo, NALY Nalytchevo, KRER Koryakskii, KRER Koryakskii, SMAR Somma, SMAR Somma, KRX Arik, KRX Arik, UGLR Uglovaya, UGLR Uglovaya, AVH Avacha, AVH Avacha, KOK Koryaka, KOK Koryaka, DALK Dalny, DALK Dalny, GNL Ganaly, GNL Ganaly, PET Petropavlovsk, PET Petropavlovsk, PET Petropavlovsk, PET Petropavlovsk.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like RUS Russkaya, GRL Gorely, GRL Gorely, MTRV Mutnovka, MTRV Mutnovka, APC Apache, MA2 Magadan, BILL Bilibino, YAK Yakutsk, H17K Granite Mount, C18K Utukok River, M17K Holitna River, TIXI Tiksi, TIXI Tiksi, TIXI Tiksi, E19K Redstone River, E19K Redstone River, IMAR Isan Mount, B21K Ikpikpuk River, B21K Ikpikpuk River, B22K Teshekpak Lake, E22K Anaktuvuk Pass, MJAO Matsu Arr-Jizo, MJAO Matsu Arr-Jizo, MJAR Matsushiro Arr, MJAR Matsushiro Arr, E23K Chandalar, E23K Chandalar, TOLK Toolik Lake, TOLK Toolik Lake, E24K Your Creek, E24K Your Creek, D24K Happy Valley, ILAR Eielson Array, ILAR Eielson Array, D25K Kavik River, E25K Arctic Village, BMAR Burtt Mountain, SONM Songino Array, YKA Yellowknife Ar, YKA Yellowknife Ar, YKA Yellowknife Ar, YKA Yellowknife Ar, KURKB Kurchatov Arra, KURKB Kurchatov Arra, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, FCC Fort Churchill, FCC Fort Churchill, ARTI Arti, PDAR Pinedale Array, ABKAR Abkubal array, FINES FINESS Array B, FINES FINESS Array B, CMAR Chiang Mai Arr, NOA NORARS Array B, NOA NORARS Array B, HFS Hagfors, AKASG Malin Array Be, TXAR Lajitas Array, TXAR Lajitas Array, TXAR Lajitas Array, TXAR Lajitas Array, KBZ Khabaz, KBZ Khabaz, KBZ Khabaz, KBZ Khabaz, CLV Collim, MSSF Nonsauv, BRTR Keskin Array B, WRA Warramunga Arr, MMAIL Mount Meron Arr, ASAR Alice Springs, ESDC Sonseca Array.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like RUS Russkaya, GRL Gorely, GRL Gorely, MTRV Mutnovka, MTRV Mutnovka, APC Apache, MA2 Magadan, BILL Bilibino, YAK Yakutsk, H17K Granite Mount, C18K Utukok River, M17K Holitna River, TIXI Tiksi, TIXI Tiksi, TIXI Tiksi, E19K Redstone River, E19K Redstone River, IMAR Isan Mount, B21K Ikpikpuk River, B21K Ikpikpuk River, B22K Teshekpak Lake, E22K Anaktuvuk Pass, MJAO Matsu Arr-Jizo, MJAO Matsu Arr-Jizo, MJAR Matsushiro Arr, MJAR Matsushiro Arr, E23K Chandalar, E23K Chandalar, TOLK Toolik Lake, TOLK Toolik Lake, E24K Your Creek, E24K Your Creek, D24K Happy Valley, ILAR Eielson Array, ILAR Eielson Array, D25K Kavik River, E25K Arctic Village, BMAR Burtt Mountain, SONM Songino Array, YKA Yellowknife Ar, YKA Yellowknife Ar, YKA Yellowknife Ar, YKA Yellowknife Ar, KURKB Kurchatov Arra, KURKB Kurchatov Arra, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, FCC Fort Churchill, FCC Fort Churchill, ARTI Arti, PDAR Pinedale Array, ABKAR Abkubal array, FINES FINESS Array B, FINES FINESS Array B, CMAR Chiang Mai Arr, NOA NORARS Array B, NOA NORARS Array B, HFS Hagfors, AKASG Malin Array Be, TXAR Lajitas Array, TXAR Lajitas Array, TXAR Lajitas Array, TXAR Lajitas Array, KBZ Khabaz, KBZ Khabaz, KBZ Khabaz, KBZ Khabaz, CLV Collim, MSSF Nonsauv, BRTR Keskin Array B, WRA Warramunga Arr, MMAIL Mount Meron Arr, ASAR Alice Springs, ESDC Sonseca Array.

ISC 22 01:53:28.2:8.9, 37.04N:71.90E, h0km, mb3.9/1, mbtmp3.5/4, ML2.5/3, MS4.5/1, Error ellipse: s-maj=133.6km s-min=52.2km az=165.0

ISC 22 01:53:52.3:2.3, 38.55N:02:72.1E:0.2, h150km, n7, az=307/7, 3C-1D, Tajikistan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like KK31 Warrang Array, KK31 Warrang Array, KK31 Warrang Array, KK31 Warrang Array, TKM2 Tokmak 2, TKM2 Tokmak 2.

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Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, BVAR Borovoye Array, ZALV Zalesovo Beam, etc.

IDC 22 01:57:36.5:0.8, 12:83S:45:48E, h0km, mb3.7/11, mbtmp3.7/11, ML5.0/1, MS3.3/13, Error ellipse: s-maj=25.4km s-min=20.1km az=109.0

NEIC 22 01:57:38.9:1.5, 12:80S:0:07:45.4E:0.1, h10km, 2km, mb4.1/7, Error ellipse: s-maj=21.0km s-min=11.7km az=27.0

ISC 22 01:57:37.0:0.6, 12:90S:0:08:45.4E:0.1, h10km, n35, s125:25, mb3.9/13, MS3.2/11, Northwest of Madagascar

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like OPO Ambohitratompo, OPO Ambohimanom, ABOI Voihosoka, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like BOSA Boshof, BOSA Boshof, BOSA Boshof, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SUR Sutherland, WSAR Wadi Sarin, EIL Elat, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ASAF Jabal al Asfar, TORD Torodi Ar, GNI Garni, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like BRTR Keskin Array B, BRTR Keskin Array B, DBIC Dimbokro, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CHGR Chuyangaron, ABKAR Abkual array, AKASG Malin Array Be, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, BVAR Borovoye Array, KURBB Kurchatov Arra, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ESDD Sonseka Array, FINES FINESS Array B, GSPA South Pole Qui, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, ASAR Alice Springs, AS31 Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like AS31 Alice Springs, WRA Warramunga Arr, TXAR Lajitas Array, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like NVAR Mina Array Bea, IDC 22 02:19:06.8:1.6, 0:61S:120:48E, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like DJA 22 02:19:07.9:0.5, 1:9S:12:0E, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KDI Kendari, FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, MKAR Makanchi Array, IDC 22 02:21:18.7:3.1, 54:49N:165:11E, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, IDC 22 02:21:22.2:1.4, 54:31N:164:74E, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like BKI Bering, BKI Bering, KURBB Kurchatov, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like BKI Bering, KURBB Kurchatov, KLY Klyuchi, etc.

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Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KLY Tumrok, TUMR Tumrok, KMNRR Kamenistaya, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PETK Petropavlovsk, PETK Petropavlovsk, MTRV Mutnovka, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MA2 Magadan, YAK Yakutsk, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like YKA Yellowknife Arr, KURBB Kurchatov Arra, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like GNI Garni, KRSC 22 02:26:32.5:1.0, 54:76N:164:34E, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KRSC 22 02:26:33.4:1.2, 54:78N:164:41E, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like BKI Bering, BKI Bering, KBTR Krutoberegovo, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SPN Mys Shipunski, KRX KRX, KOK Koryaka, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like DALK Dalny, KRMRR Karymshtinskiy, PETK Petropavlovsk, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PETK Petropavlovsk, ILAR Eielson Array, YKA Yellowknife Arr, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KURBB Kurchatov Arra, MKAR Makanchi Array, NVAR Mina Array Bea, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like TXAR Lajitas Array, ASAR Alice Springs, IDC 22 02:52:50.5:1.9, 54:80N:164:38E, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like BKI Bering, BKI Bering, KBTR Krutoberegovo, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like BZP Semkarok, BZP Bezymyanni-Pe, TUMR Tumrok, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like TUMR Tumrok, BZMR Bezymyannaya, BZWR Bezymyanni-We, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KMNRR Kamenistaya, KIRRR Kirishev, KRKR Krestovskiy, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KPT Kopyto, KOZ Kozyrevs, ESO Esso, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SMAR Somma, KRKR Koryakskii, KRRR KRRR, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like AVH Avacha, KRX KRX, KOK Koryaka, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like GNL Ganaly, KRMRR Karymshtinskiy, KRMRR KRMRR, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PETK Petropavlovsk, MTRV Mutnovka, MTRV Mutnovka, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ILAR Eielson Array, YKA Yellowknife Arr, KURBB Kurchatov Arra, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like TXAR Lajitas Array, NEIC 22 03:01:16.7:0.8, 19:35N:0:03:155:12W, etc.

22d 3h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PUH PUA, PUA PUA, JOKA Joniak Flow, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KKO Keanakako'i, BYL Byron's Ledge, RYL RYM, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like RIM RIM, HATHI Halema'uma'u T, SBLHI Steaming Bluff, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SDHLHI Sand Hill, UWB Uwekahuna Bluf, OBL Observatory Le, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like HLP Hilina Pali, HLP HLP, WRMH West Rim, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like UWE Uwekahuna, UWE Uwekahuna, RSD RSD, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like RSD RSD, HTCC Hot Caves, MLH MLH, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MLH MLH, HMH Humu'ula Sheep, MWH Mokuaweweo, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KKHU KKHU, KHU KHU, MLOA Mauna Loa Obs, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ALEP Alea Permanent, ALEP Alea Permanent, POHA Pohakuola, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like POHA Pohakuola, PHU PHU, CPH Captain Cook, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like HPAH Hawaii Prepara, HPAH Hawaii Prepara, HPAH Hawaii Prepara, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like IDC 22 03:03:22.8:1.4, 12:93S:45:35E, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like OPO Ambohitratompo, OPO Ambohitratompo, BOSA Boshof, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like DBIC Dimbokro, ASAR Alice Springs, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like IDC 22 03:08:44.2:0.7, 55:08N:164:57E, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KRSC 22 03:08:45.0:1.5, 54:84N:164:63E, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MOS 22 03:08:46.4:0.7, 54:83N:164:72E, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like IDC 22 03:08:47.1:1.5, 54:85N:0:04:164:68E, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like BKI Bering, BKI Bering, BKI Bering, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KBTR Krutoberegovo, KBTR Krutoberegovo, KBTR Krutoberegovo, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KURBB Kurchatov, KURBB Kurchatov, KURBB Kurchatov, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KLY Klyuchi, KLY Klyuchi, KLY Klyuchi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BRVK Borovoye, NVAR Mina Array Bea, PZH PanZhiHua, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KNDC Almaty, MTBS Maitube, ZHN Zhinishe, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BKI Bering, KBT Krutoberegovo, BZP Bezmyanniy-Pe, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KRER Koryaksii, AVH Avacha, AVK Avrik, etc.

IDC 22 03:51:27.5,5,3,22*17Sx148*16E, h0km, mbtmp3.0/3, ML2.9/3, Error ellipse: s-maj=44.4km s-min=30.5km az=90.0, Queensland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CTA Charters Tower, CTA 1.8m,0.3s, etc.

IDC 22 04:03:12.8,0,9,37*55N:20*60E, h0km, mb3.6/11, mbtmp3.6/20, ML3.4/5, Error ellipse: s-maj=18.3km s-min=13.7km az=159.0

ATH 22 04:03:14.0, 37*58N-20*35E, h10km, 1km, ML3.6/17, Error ellipse: s-maj=1.7km s-min=0.9km az=45.0

THE 22 04:03:14.6, 37*60N-20*39E, h5km, ML3.5/11, Error ellipse: s-maj=0.9km s-min=0.2km az=297.0

ISC 22 04:03:15.6, 1.2, 37.67N, 0.03, 20.48E: 0.03, h17km, 8km, n86, r133/123, mb3.6/11, Ionian Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ORTH Orthonies, Zaky, Kipseli, Zakin, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like Efpalio, Kalavryta, Ano Chora, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like Petropavlovsk, Elselon Array, Lajitas Array.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like Vinchina, Copiapo, Mina Casimiro, etc.

AEIC 22 04:29:14.1 ± 0.7, 27.89S; 68.95W, h122km, 5km, ML2.5, M2.0, Error ellipse: s-maj=2.6km az=175.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like Fire Island, Rabbit Creek A, Susitna One, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like Tolsona, Glenn, Iliamna South, etc.

NEIC 22 04:36:14.8 ± 1.2, 5.49S; 0.07, 152.8E; 0.1, h10km, 1km, mb4.4/9, Error ellipse: s-maj=23.4km s-min=12.2km az=86.0

ICD 22 04:36:18.6 ± 5.2, 5.40S; 152.52E, h50km, 48km, mb3.8/9, mbtmp=0.011, ML2.8/2, MS3.1/6, Error ellipse: s-maj=44.4km s-min=31.5km az=124.0

ISC 22 04:36:17.8 ± 1.0, 5.49S; 0.08, 152.7E; 0.1, h40km, n27, s=142/26, mb4.2/14, MS3.2/4, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like Rabaul, Port Moresby, Warramunga Arr, etc.

CATAC 22 04:43:54.9 ± 0.4, 12.15N; 88.02W, h14km, 2km, ML4.1, ICD 22 04:43:56.1 ± 3.9, 12.17N; 87.86W, h35km, 35km, mb3.5/5, mbtmp=7.7, ML2.5/2, Error ellipse: s-maj=44.0km s-min=17.7km az=50.0

SNET 22 04:43:57.9 ± 3.3, 12.36N; 87.95W, h17km, ML4.0, ISC 22 04:43:52.9 ± 1.3, 12.12N; 0.04, 88.01W; 0.03, h12km, 6km, n78, c112/119, mb3.6/5, Off coast of central America

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like Marina puenta, Cosiguina Volc, Potosi Cosigu, etc.

Table with columns for station name, frequency, power, antenna height, and location. Includes stations like EI Viejo, San Cristobal, Conchagua, La Caada, AI O del Volca, etc.

Table with columns for station name, frequency, power, antenna height, and location. Includes stations like JAYA, RCFN, RCVN, RCPCN, MORN, etc.

Table with columns for station name, frequency, power, antenna height, and location. Includes stations like O03E, LDBM, OSTM, MPK, etc.

22d 5h

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Table with 5 columns: Call sign, Name, Frequency, Mode, and other details. Includes stations like ZALV, KURBB, WRA, BVAR, KBZ, FINES, ATD.

IDC 22:05:15:42.5:47.0, 16:17S:174:13W, h0km, mb4.3/3, mbmtp4.3/3, Error ellipse: s-maj=893.0km s-min=175.6km az=79.0, Tonga Islands

Table with 5 columns: Call sign, Station Name, Azimuth, Elevation, Phase ID, and other details. Includes stations like STKA, WRA, ASAR.

IDC 22:05:17:21.0:0.5, 11:44N:86:55W, h0km, mb4.2/16, mbmtp4.3/18, ML3.5/2, MS3.7/9, Error ellipse: s-maj=22.8km s-min=10.7km az=51.0

CATAC 22:05:17:22.8:0.3, 11:05N:87:01W, h10km, ML4.5, NEIC 22:05:17:23.1:6, 11:12N:0.06:86:86W:0:07, h10km, km, mb4.8/96, Error ellipse: s-maj=13.5km s-min=8.3km az=28.0

RSNC 22:05:17:23.5:2.0, 11:14N:87:02W, h10km, ML4.8, mb5.7, mb4.4, ML3.8, MW(MB)5.2

SNET 22:05:17:24.9:0.8, 11:03N:87:00W, h35km, 346km, ML4.4

UCR 22:05:17:26.8:1.5, 11:19N:86:91W, h20km, MW4.7

ISC 22:05:17:25.2:1.2, 11:15N:0:05:86:91W:0:04, h31km, 83km, n279, e1833/290, mb4.47Z, MS3.6/8, Near coast of

Main table for station lists. Columns include Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other details. Lists stations from RA5A7 to ACON.

Table for station lists in the middle column. Columns include Call sign, Name, Frequency, Mode, and other details. Lists stations like COSIGN, POTN, JTS, LCHL, CNCH, LCND, SOCE, RCPN, COVE, RCVN, BLLM, LACY, RANC, PACA, BITO, CAHU, ESPN, GARIB, TRIO, ABE2, TRT2, LCR2, LRU2, TAGO, PAVA, VICA, REPA, VTLA, CVTO, CVTR, CVTR, VYTR, CVTV, VJTC, VINA, VERB, TURIS, RWST, BOOS, PMON, CEDA, CEVE, NUBE, BURE, DRKO, ESQI, EDP2, NELE, CDITO, BRUZ, HUEH, PETF, CCIG, TEIG, NELY, CMIG, TLIG, GUCP, OTAV, ROSC, PIAT, JROG, MOIG, SDV, SDV, SDV, SDV.

Table for station lists in the right column. Columns include Call sign, Name, Frequency, Mode, and other details. Lists stations like BAUV, ZALG, HBVL, BRAL, ATAH, CRPR, HKT, HKT, 833A, AOPR, UUPR, OBIP, MLDN, CELP, HNVL, VBMS, SJG, SJG, HUMP, NHTO, LRAL, PCR, DRIO, JCT, TBGT, BRDY, TREL, FW16, Z38A, FW13, FPAL, SAND, CZSB, TXAR, TXAR, TX31, PLPT, BG3, PAULI, MIAR, CPCT, WHAR, TKL, ALPN, CLTN, WFTS, MNHN, FCAR, LCAR, APMT, ODSA, PECO, W3SA, POST, PBMO, VHRN, FNO, DKNS, WMOK, TUL3, TUL3, CGM3, OK029, SMWD, P49A.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC. Includes stations like P49A Williamsport, 056A Snyder Ridge, ETMB Extrema, etc.

IDC 22 05:17:37.4+1.0, 3.79N; 126.11E, h0km, mb3.9/9, mbtm3.9/9, MS2.6/3, Error ellipse: s-maj=100.8km s-min=15.4km az=71.0

ISC 22 05:17:49.6+0.9, 3.6N; 0.2-125.8E:0.6, h100km, n11, r1504.9, mb4.0/9, Talaud Islands

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

Main table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC. Includes stations like KURBB Kurchatov Arra, NRK Noril'sk, FINES FINESS Array B, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC. Includes stations like XNQ Kinaliq, XNQ Pirkuli, QBS Qobustan, etc.

IDC 22 05:21:46.4+1.8, 58.49S; 26.15W, h0km, mb3.6/1, mbtm3.7/2, ML3.4/1, Error ellipse: s-maj=84.8km s-min=49.2km az=82.0

ISC 22 05:21:47.1+1.5, 58.68S; 0.2-26.5W:0.5, h10km, n12, r1514.9, 7C, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC. Includes stations like VNA1 Neumayer-Stat, VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, etc.

KRSC 22 05:29:00.1+0.9, 54.98N; 164.79E, h49km, 21km, M14.1 IDC 22 05:29:00.0+2.1, 55.06N; 164.66E, h0km, mb3.2/5, mbtm3.3/6, ML2.6/1, MS2.7/1, Error ellipse: s-maj=72.9km s-min=20.5km az=162.0

ISC 22 05:29:00.0+0.7, 55.03N; 0.07-164.74E:0.06, h10km, n42, r1520.40, mb3.3/6, Komandorski Islands region

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC. Includes stations like BKI Bering, BKI Krutoberegovo, KBI Krutoberegovo, etc.

ILAR Eielson Array 25.50 48 P P 05 34 28.7 -0.9 comp=Z, 2.2nm, 0.7s, baz=257, slow=8.8, SNR=9.2 0.5nm, 0.7s

H112 WAKE ISLAND Hy 35.27 176 T T 06 13 54.8 baz=368, slow=76, SNR=70

H113 WAKE ISLAND Hy 35.29 176 T T 06 13 51.2 baz=368, slow=76, SNR=70

H114 WAKE ISLAND Hy 35.29 176 T T 06 13 51.5 baz=368, slow=76, SNR=70

HNC Hu-ho-hao-te 37.39 270 eP P 05 36 17.6 +3.1 comp=Z, 0.1nm, 0.4s, baz=64, slow=8.2, SNR=2.0

NJ2 Nanjing 39.25 254 eP Pmax pmax 05 36 33.3 +1.5 comp=Z, 7.0nm, 0.5s

YKA Yellowknife Arr 39.87 46 P P 05 36 35.3 +0.4 comp=Z, 0.2nm, 0.7s, baz=311, slow=8.5, SNR=4.1 0.5nm, 0.7s

KURBB Kurchatov Arra 49.12 303 P P 05 37 48.0 -0.9 comp=Z, 0.4nm, 0.5s, baz=60, slow=7.8, SNR=2.3 0.5nm, 0.5s

MKAR Makanchi Array 49.76 297 P P 05 37 53.5 -0.4 comp=Z, 0.1nm, 0.4s, baz=64, slow=8.2, SNR=2.0 0.5nm, 0.5s

PDAR Pinedale Array 54.20 65 P P 05 38 27.9 +0.5 comp=Z, 0.1nm, 0.5s

NEIC 22 05:32:47.4+1.2, 29.06N; 0.02-97.89W:0.02, h5km, 2km, mb_Lg3.2/61, Error ellipse: s-maj=3.8km s-min=3.0km az=32.4, Central Tazs

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC. Includes stations like 735A Kenedy, MLND Muldoon, HNDO Hondo, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BRDY, HNVL, WHTX, CZNA, FW16, etc.

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

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

MOS 22 05:37:35.5±0.8, 201.59±32.92E, h10km, mb5.7/85, MS5.1/23, Error ellipse: s-maj=8.6km s-min=3.9km az=86.6

CRNL Carolina, Mapu 5.92 205 P Pn 05 39 05.8 +0.4

BOSA Boshof 10.50 219 I S Sn 05 41 53.0 -13

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

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

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

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like MERW Merweville, SUR Sutherland, and various other locations.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like ALNE Al Ain, JLN Janani Bani Buh, SMDO Samad, and various other locations.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like ARG comp=Z,86nm,0.9s, KEBE Keben-Mersin, and various other locations.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like SRCK Saricakaya, Es, EZN Ezine, CORM Corum, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like VALD Valchedram, SJSJ Sjenca, SHAZ Shidzhatmaz, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like BSI Banda Aceh, BLY Banja Luka, DOPR Dopca, etc.

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Table with columns: RES, Name, Elevation, Azimuth, Azimuth Error, Azimuth Std Dev, Azimuth Std Err, Azimuth Std Dev, Azimuth Std Err, Azimuth Std Dev, Azimuth Std Err. Includes entries like Resolute Bay, Seymour, Magadan, Farmland, Bilibino, etc.

Table with columns: H27K, Name, Elevation, Azimuth, Azimuth Error, Azimuth Std Dev, Azimuth Std Err, Azimuth Std Dev, Azimuth Std Err, Azimuth Std Dev, Azimuth Std Err. Includes entries like Steamboat Moun, Niukuk, Kwik Moun, Nome, Wrangle, Jarrell, Ishlatina Cre, etc.

Table with columns: Name, Elevation, Azimuth, Azimuth Error, Azimuth Std Dev, Azimuth Std Err, Azimuth Std Dev, Azimuth Std Err, Azimuth Std Dev, Azimuth Std Err. Includes entries like Aishik Lake, Moose Creek, Holitna, Dall Lake, Toad River Com, etc.

IDC 22:05:39:17.2:0.7, 55:00N:164:93E, h0km, mb3.8/13, mtmp3.8/15, ML3.8/2, Error ellipse: s-maj=27.9km s-min=13.5km az=159. KRSC 22:05:39:19.2:1.2:55:02N:164:69E, h48km:24km, ML4.8 NEIC 22:05:39:19.1:1.8:55:0N:0.2:164:9E:0.2, h10km, 1km, mb4.1/27, Error ellipse: s-maj=28.4km s-min=15.1km

az=152.0
MOS 22:05:39.20,7.0,8.55,03N,164.82E,h39km,mb4.1/4,Error
ellip: s-maj=4.4km s-min=5.3km az=57.3
ISC 22:05:39.22,1.0,8.55,04N,0.04,164.81E,0.04,h32km,6gkm,
n156,1920/173,mb4.0/29,2C,Komandorsky Islands
region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Bering, Krutoberegovo, Semkarok, etc.

Table with columns: L19K, IAmb, Iamb, 05 44 23.0, etc. Lists stations like Bonanza Creek, Avarast Lake, Meade River, etc.

IDC 22:05:47:39.9,3.0,25.27Sx:179.79W,h478km,17km,mb3.7/4,
mbtm4.4/6,Error ellip: s-maj=60.7km s-min=22.0km
az=142.0
NEIC 22:05:47:41.7,2.5,25.0S:0.1x180.0W:0.2,h487km,8km,
mb4.4/20,Error ellip: s-maj=22.1km s-min=18.9km
n11.0

ISC 22:05:47:42.8,0.7,24.96S:0.09:179.9E,0.1,h500km,n38,
1924/41,mb4.4/14, South of Fiji Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Nonsavu, Mont Dzumac, Urewera, etc.

Table with columns: WBO, WRA, WRA, WRA, etc. Lists stations like Warramunga Arr, Warramunga Arr, etc.

IDC 22:05:49:11.8,6.5,23.14Sx:178.76W,h0km,mb4.2/4,
mbtm4.2/4,Error ellip: s-maj=170.6km
s-min=102.7km,az=143.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Stephens Creek, Alice Springs, etc.

ASRS 22:05:50:31.7,0.5,50.12N:2x97E,1h10km,MLH4.5/14,1D,
Error ellip: s-maj=5.3km s-min=3.5km az=150.3,
confirmed,Tuva-Buryatia-Mongolia border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Kungurtug, Tuv, Kyzyl, etc.

DJA 22:05:52:11.9,0.2,0.1N:2x9.8E,1,h43km,10km,M4.5/25,
m4.5/6,mb5.1/6,MLv4.5/25,Mv(mb)4.5/6
IDC 22:05:52:17.5,5.0,0.81N:99.20W,h87km,30km,mb3.4/7,
mbtm3.8/8,Error ellip: s-maj=114.7km s-min=17.7km
az=56.0

ISC 22:05:52:12.0,0.9,0.39N:0.04:98.38E,0.05,h61km,10km,
n34,1915/39,mb3.9/7, Northern Sumatra

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Pulau Bat, Gunungsitoli, Sibolga, etc.

22d 6h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details like ASAR Alice Springs, SONM Songo Array, MKAR Makanchi Array, etc.

DJA 22 06:58:26.8 0.2, 9.5, 2.2, 11.6E, h10km, M4.7/26, mB5.8/4, mB5.6/17, MLV4.5/26, MW(mB)5.3/4, IDC 22 06:58:35.8 1.7, 8.73S, 117.41E, h0km, mb3.9/3, mbtmp4.0/6, ML4.0/3, Error ellipse: s-maj=37.8km s-min=14.3km az=55.0

ISC 22 06:58:26.0 0.8, 8.75S, 0.07, 116.31E, 0.04, h10km, n30, a=183/33, mb4.0/3, Sumbawa region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details like TWSI Taliwang, DNP Denpasar, SRBI Singaraja, etc.

RSNC 22 06:07:39.4 0.0, 8.2N, 2.73W, h147km, 3km, M1.7, ML1.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details like OCAC Ocana, PAMC Pamplona, BRJC Barrancabermej, etc.

DJA 22 06:07:44.4 0.2, 3.2N, 2.12W, h10km, M4.8/19, mb4.9/8, mB5.3/6, MLV4.7/19, MW(mB)4.8/6, IDC 22 06:07:47.8 2.6, 2.83N, 125.79E, h0km, 23km, mb3.9/12, mbtmp3.1/3, ML5.0/1, Error ellipse: s-maj=52.7km s-min=10.5km az=74.0

NEIC 22 06:07:49.2 2.6, 2.85N, 0.07, 126.04E, 0.09, h65km, 9km, mb4.6/20, Error ellipse: s-maj=13.2km s-min=8.7km az=66.0

ISC 22 06:07:47.0 0.5, 2.91N, 0.05, 126.06E, 0.08, h50km, n75, a=157/77, mb4.6/25, 1C, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details like SGSI Sangihe, TMTI Ternate, KMSI Cibinong, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details like TPUB Ta-pu, TPUB COEN, WBO Warramunga Arr, etc.

MBWA Marble Bar, PSAA00 Pilbara Seismi, QIS Mount Isa, AS31 Alice Springs, ASAR Alice Springs, etc.

ASAR comp=2.0, 4.5nm, 0.6s, baz=352, slow=7.4, SNR=8.6, S, S

AS01 Alice Springs, WRAKWA Warakwa, NJ2 Nanjing, etc.

MEEK Meekatharra, CHARTERS Charters Towers, OOD Oodnadatta, PZH PanZhiHua, etc.

MORW Morawa, FORT Forrest, TIA Tairan, etc.

TIA comp=2.4, 0nm, 0.3s, TIA comp=2.35nm, 5.0s, TIA comp=N, 340nm, 18.2s, etc.

KSRS Korea Array, TNCH TengChong, LCRK Leigh Creek, HNS HongShan, etc.

NWAO Narrogin (SRO), BBOO Buclelebo, STKA Stephens Creek, etc.

HHC comp=2.7, 0nm, 0.6s, HHC comp=2.96nm, 4.2s, HHC comp=N, 580nm, 18.4s, etc.

HHC comp=E, 430nm, 18.1s, ARMA Armadale, USRK Ussuriysk Arr, etc.

XLT XLiLinHaoTe, HEH HeiHe, SONM Songo Array, etc.

MKAR Makanchi Array, ZALV Zalesovo Beam, LBZ Lake Benmore, etc.

KURBB Kurchatov Arr, NRIC Norilsk, ABKAR Abkubal array, etc.

VNDA Yanda, ARCES ARCES Array, etc.

KRSC 22 06:09:24.9 1.2, 5.47N, 164.47E, h48km, 37km, M1.4, IDC 22 06:09:25.1 0.9, 5.47N, 164.38E, h0km, mb3.6/7, mbtmp3.6/8, ML2.7/1, MS4.4/1, Error ellipse: s-maj=64.1km s-min=16.9km az=146.0, NEIC 22 06:09:26.2 1.3, 5.44N, 0.1, 164.3E, 0.2, h10km, 2km, mb4.3/20, Error ellipse: s-maj=21.6km s-min=16.3km

ISC 22 06:09:27.4 0.7, 5.45N, 0.05, 164.44E, 0.05, h17km, n63, a=191/71, mb4.1/15, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details like BKI Bering, KBTR Krutoberegovo, TUMR Tumrok, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details like KRX Arik, KOK Koryaka, PETK Petropavlovsk, etc.

PETK comp=2.0, 3s, baz=180, slow=9.8, SNR=4.1, 5.0nm, 0.4s

MTVR Mutnovka, GRU Gurely, APC Apacha, OSSR Oссора, JKA Kamikawa-asahi, etc.

ERM Erimo, M17K Holitna River, L18K Granite Mountain, etc.

F19K Shalercuk Mo, N18K Kilae Creek, G19K Yuzhik Mounta, etc.

H19K Roundabout Mou, L19K White Mountain, N19K Bonanza Creek, etc.

ILSW Iliamna Southw, B21K Ikipikup River, B21K Ikipikup River, etc.

I23K Minto, Yukon-K, MJAR Matsushiro Arr, etc.

IL31 Ili31, ILAR Eielson Array, M24K Tolsona, etc.

BCAR Beaver Creek, L29M L29M, L29M L29M, etc.

N30M Aishkik Lake, SONM Songo Array, YKA Yellowknife Arr, etc.

PDAR Pinedale Arr, ABKAR Abkubal array, TXAR Lajitas Array, etc.

WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 22 06:14:15.4 1.1, 3.54N, 164.68E, h0km, mb3.3/6, mbtmp3.2/7, ML2.1/1, Error ellipse: s-maj=44.9km s-min=20.2km az=160.0, KRSC 22 06:14:18.1 1.1, 5.512N, 164.86E, h53km, 26km, M1.4, IDC 22 06:14:21.1 0.8, 5.509N, 0.06, 164.87E, 0.04, h34km, n31, a=168/36, mb3.4/5, Komandorsky Islands region

Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details like BKI Bering, KBTR Krutoberegovo, SMKR Semkarok, etc.

BDR Baidaraya, CIRR Tsirik, BZMR Bezymannaya, etc.

KRSP Krestovskiy, TUMR Tumrok, KMNr Kamenistaya, etc.

KPT Kopyto, KPT Kopyto, KOZ Kozrevsk, etc.

SRDR Sredinnyy, ESO Esso, KRER Koryakskii, etc.

UGLR Uglouyava, AVH Avacha, KRX Arlik, etc.

KOK Koryaka, GNL Ganaly, OSSR Oссора, etc.

PETK Petropavlovsk-1, PETK Petropavlovsk-2, etc.

MTVR Mutnovka, GRU Gurely, APC Apacha, etc.

YKA Yellowknife Arr, KURBB Kurchatov Arr, etc.

MKAR Makanchi Array, TXAR Lajitas Array, etc.

ASAR Alice Springs, etc.

IDC 22 06:22:14.8 3.1, 5.47N, 164.94E, h0km, mb3.3/4, mbtmp3.3/5, ML2.2/1, Error ellipse: s-maj=99.3km s-min=21.5km az=160.0, KRSC 22 06:22:17.3 0.8, 5.47N, 164.85E, h56km, 22km, M1.3, IDC 22 06:22:19.8 1.2, 5.438N, 0.06, 164.90E, 0.05, h46km, 23km, n30, a=87/33, mb3.3/4, Komandorsky Islands region

Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details like BKI Bering, KBTR Krutoberegovo, SMKR Semkarok, etc.

BZP Bezymanniy-Pe, BZMR Bezymannaya, BZWR Bezymanniy-We, etc.

IDC 22 06:22:14.8 3.1, 5.47N, 164.94E, h0km, mb3.3/4, mbtmp3.3/5, ML2.2/1, Error ellipse: s-maj=99.3km s-min=21.5km az=160.0, KRSC 22 06:22:17.3 0.8, 5.47N, 164.85E, h56km, 22km, M1.3, IDC 22 06:22:19.8 1.2, 5.438N, 0.06, 164.90E, 0.05, h46km, 23km, n30, a=87/33, mb3.3/4, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details like BKI Bering, KBTR Krutoberegovo, SMKR Semkarok, etc.

Table with columns: Station Name, Time, Res, and various status indicators. Includes stations like TUMR, KRKR, KMINR, etc.

Table with columns: Station Name, Time, Res, and various status indicators. Includes stations like MTRV, ILAR, H11N2, etc.

Table with columns: Station Name, Time, Res, and various status indicators. Includes stations like IDC 22 06:41:38.7, IDC 22 06:41:42.8, etc.

Table with columns: Station Name, Time, Res, and various status indicators. Includes stations like BARC, BARRC, BRUC, etc.

Table with columns: Station Name, Time, Res, and various status indicators. Includes stations like SDV, SDV, ANIL, etc.

Table with columns: Station Name, Time, Res, and various status indicators. Includes stations like CRUC, CRUC, YOTOCO, etc.

Table with columns: Station Name, Time, Res, and various status indicators. Includes stations like CRUC, CRUC, YOTOCO, etc.

Table with columns: Station Name, Time, Res, and various status indicators. Includes stations like IDC 22 06:50:44.5, etc.

Table with columns: Station Name, Time, Res, and various status indicators. Includes stations like CATAC 22 06:58:48.9, etc.

Table with columns: Station Name, Time, Res, and various status indicators. Includes stations like AMTN, AMTN, AMTN, etc.

Table with columns: Station Name, Time, Res, and various status indicators. Includes stations like MAGA, MAGA, R4DEC, etc.

Table with columns: Station Name, Time, Res, and various status indicators. Includes stations like JAPN, JAPN, LEVN, etc.

Table with columns: Station Name, Time, Res, and various status indicators. Includes stations like ILCN, ILCN, ILCN, etc.

Table with columns: Station Name, Time, Res, and various status indicators. Includes stations like POTN, POTN, POTN, etc.

Table with columns: Station Name, Time, Res, and various status indicators. Includes stations like ACOP, ACOP, ACOP, etc.

Table with columns: Station Name, Time, Res, and various status indicators. Includes stations like NNC 22 07:01:20.8, etc.

Table with columns: Station Name, Time, Res, and various status indicators. Includes stations like BVA0, BVA0, BVA0, etc.

Table with columns: Station Name, Time, Res, and various status indicators. Includes stations like IDC 22 07:06:52.5, etc.

Table with columns: Station Name, Time, Res, and various status indicators. Includes stations like RAS7, RAS7, COPN, etc.

Table with columns: Station Name, Time, Res, and various status indicators. Includes stations like MAS2, MAS2, MAS2, etc.

Table with columns: Station Name, Time, Res, and various status indicators. Includes stations like ILCN, ILCN, ILCN, etc.

22d 7h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CRIN San Cristobal, BRAN Las Pilas, BOAB BOACO BROADBAN, CSGN Cosiguina Volc, etc.

IDC 22 07:10:28.5-1.9,5:73S;131.32E, h0km, mb3.7/2, mbmp3.4/5, ML2.3/3, MS3.7/1, Error ellipse: s-maj=90.3km s-min=26.0km az=73.0

DJA 22 07:10:37.0-0.4,6:5:73S;131.32E, h94km,11km, M4.6/13, MB5.6/3, mb4.6/6, MLV4.5/13, Mv(M)5.1/3

ISC 22 07:10:36.8-1.0,5:54S;0:06:131.19E,0:06:h100km,n16, e=142/16, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BNDI Bandanaira, SAUI Saumlaki, ASAR Alice Springs, etc.

KRSC 22 07:22:25.0-1.1,54:96N;164:81E, h53km;23km, M3.6

2018 DEC

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BKI Bering, KBTR Krutoberegovo, SMKR Semkarok, etc.

IDC 22 07:36:50.2-0.6,5:14S;152:60E, h0km, mb4.2/19, mbmp4.2/21, ML2.9/2, MS3.6/11, Error ellipse: s-maj=22.1km s-min=14.1km az=105.0

NEIC 22 07:36:52.4-1.2,5:30S;0:07:152.7E,0:11,01km,1km, mb4.7/39, Error ellipse: s-maj=18.2km s-min=11.9km az=94.0

ISC 22 07:36:57.8-0.4,5:25S;0:06:152.62E,0:08,h55km,n28, e=152/276, mb4.6/45, MS3.7/9, 2D, New Britain region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RABL Rabaul, PMG Port Moresby, MTSU Mount Surprise, etc.

1452

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA Alice Springs, KNRA Kununurra, STKA Stephens Creek, etc.

Table with columns: ID, Name, Az, Alt, Elev, Dist, Az, Alt, Elev, Dist, Az, Alt, Elev, Dist. Includes entries like H17K Granite Mounta, L19K White Mountain, J18K Innoko River, etc.

Table with columns: ID, Name, Az, Alt, Elev, Dist, Az, Alt, Elev, Dist, Az, Alt, Elev, Dist. Includes entries like E22K Anaktuvuk Pass, E22K Anaktuvuk Pass, COLD Coldfoot, etc.

Table with columns: ID, Name, Az, Alt, Elev, Dist, Az, Alt, Elev, Dist, Az, Alt, Elev, Dist. Includes entries like G30M Atoh Zraii Nji, R33M Jennings River, H31M Pease River, etc.

IDC 22 07:37:03.0:1.5,5:12S:67.13E,h0km,mb3.5/7, mbmp3.5/7,MS3.5/2, Error ellipse: s-maj=40.0km s-min=36.7km az=23.0

Table with columns: Code, Station Name, Az, Alt, Elev, Dist, Az, Alt, Elev, Dist, Az, Alt, Elev, Dist. Includes entries like PALK Pallekele, LBTB Lobatse, AAK Ala-Archa, etc.

PRE 22 07:39:43.5:0.7,20:97S:32.73E,h5km,ML2.9

Table with columns: Code, Station Name, Az, Alt, Elev, Dist, Az, Alt, Elev, Dist, Az, Alt, Elev, Dist. Includes entries like MOPA Mopani, MOPA MOPA, MUSA Musina, etc.

22d 7h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CKGRV, PBMBC, SWZ, KSTD, BOSHA, etc.

NEIC 22 07:41:52.5±0.2, 29.04N, 0°02'97.98W, 0.02, h5km, 2km, mb_Lg3.0/49, Error ellipse: s-maj=3.1km s-min=2.6km az=147.0, Central Tress

Main table of station data for the 22d 7h period, including station names, coordinates, and seismic parameters.

IDC 22 07:44:42.2±0.6, 27.23N, 65.79E, h0km, mb4.2/25, mbmp4.2/27, ML3.9/2, MS3.8/13, Error ellipse: s-maj=15.8km s-min=12.7km az=7.0

MOS 22 07:44:43.2±1.2, 27.25N, 65.73E, h11km, mb4.7/33, Error ellipse: s-maj=6.6km s-min=4.4km az=109.4

NEIC 22 07:44:45.5±1.5, 27.26N, 0.09, 65.66E, 0.08, h10km, mb4.6/50, Error ellipse: s-maj=10.3km s-min=11.8km az=156.0

DSN 22 07:44:57.2±1.9, 26.99N, 64.71E, h15km, ML3.78, MS3.8/2, Error ellipse: s-maj=62.8km s-min=17.6km az=161.0

ISC 22 07:44:41.0±0.4, 27.22N, 0.05, 65.69E, 0.03, h10km, n292, z=202/322, mb4.5/90, MS3.8/23, 36C-8D, Pakistan

Table of station data for the IDC, MOS, NEIC, DSN, and ISC events, including station names and seismic parameters.

2018 DEC

Main table of station data for the 2018 DEC period, including station names, coordinates, and seismic parameters.

1454

Main table of station data for the 1454 event, including station names, coordinates, and seismic parameters.

22d 8h

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like MLPR Magueyes Islan, CRPR Cabo Rojo, ANWB Willy Bob, etc.

JMA 22:07:50:51.6:0.2, 26°N, 141°E, h113km, MV4.1/6, IOTO ISLANDS REGION, Volcano Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like JHH2 Haha-jima-NKT2, CBIJ Chichi jima, BSO1 Boso 1, JOD2 Odawara 2.

IDC 22:07:51:39.0:2.1, 54.98N, 164.73E, h0km, mb3.2/5, mbtmp3.3/6, ML2.7/1, Error ellipse: s-maj=72.4km, s-min=23.1km az=166.0.

KRSC 22:07:51:40.2:1.5, 54.91N, 164.68E, h49km, 31km, ML3.7, ISC 22:07:51:42.2:1.5, 54.91N, 164.68E, 0.07, h25km, 15km, n33, c15/17/46, mb3.2/5, Komandorsky Islands region

Large table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like BKI Bering, KBTB Krutoberegovo, SMKR Semkarok, etc.

ISK 22:07:56:40.3, 36.97N, 42.21E, h3km, ML2.8/12, AFAD 22:07:56:40.8:0.0, 37.01N, 42.28E, h7km, 5km, ML2.5, ISC 22:07:56:40.1:1.5, 36.96N, 0.06, 42.27E, 0.03, h4km, 11km, n25, c0580/38, Iraq

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like SIRR Sirkak, MIDY Mardin/Midyat, PERV Siirt/Pervari, etc.

2018 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like URFA Urfa, PTK Pertek, WRA Warramunga Arr, etc.

IDC 22:08:01:34.3:2.4, 4.05S, 151.35E, h0km, mb3.3/3, mbtmp3.3/3, Error ellipse: s-maj=231.3km, s-min=29.2km az=125.0, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array.

IDC 22:08:02:47.2:1.4, 4.96S, 68.41E, h0km, mb3.9/12, mbtmp3.9/12, Error ellipse: s-maj=41.8km s-min=20.5km az=49.0.

NEIC 22:08:02:49.5:1.3, 5.00S:0.10:68.4E:0.1, h10km, 2km, mb4.5/26, Error ellipse: s-maj=21.9km s-min=16.4km az=252.0.

ISC 22:08:02:49.2:0.7, 5.05S:0.11:68.5E:0.1, h13km, n46, c054/46, mb4.4/23, Chagos Archipelago region

Large table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like DGAR Diego Garcia, KAAM Kaadhehdoo, SHL Shillong, etc.

1456

Large table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like H08S2 Diego Garcia H, KAAM Kaadhehdoo, PALK Palkele, etc.

Table of astronomical observations for December 2018, including station names like KURK, BVAR, BRVK, etc., and various parameters such as magnitude, position angle, and error.

Table of astronomical observations for December 2018, including station names like WRA, ASAR, STKA, SONM, etc., and various parameters such as magnitude, position angle, and error.

Table of astronomical observations for December 2018, including station names like SPN, BVAR, BRVK, etc., and various parameters such as magnitude, position angle, and error.

Bottom section containing specific astronomical notes and coordinates, including 'INDC 22 08:19:18.0', 'INDC 22 09:16:16.0', and 'INDC 22 09:18:03.0'.

22d 10h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KRER Koryakskii, UGLR Ugllovaya, AVH Avacha, etc.

MOS 22 09:35:24.9, 42.42N, 44.99E, h24km, MPVA3.8
DRS 22 09:35:24.8, 42.56N, 45.29E, h54km
NORS 22 09:35:25.5, 42.35N, 45.01E, h18km, MPVA3.9

TIF 22 09:35:25.9, 42.48N, 44.98E, h25km
AFAD 22 09:35:26.3, 42.45N, 44.65E, h7km, 2km, ML2.5
ISK 22 09:35:26.7, 42.45N, 44.78E, h4km, ML2.5/1.1

ISC 22 09:35:26.2, 0.42, 42.48N, 0.02-45.04E, 0.01, h15km, gkm, n67, c112/121, Eastern Caucasus

Main table for Eastern Caucasus region with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CHRG Chargali, SHTL Shatili, GUDG Gudauri, etc.

2009 DEC

Table for 2009 DEC region with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KBZ Khabaz, EAK Akyaka, PYA1 Pyatigorsk, etc.

ISC 22 09:43:51.1, 2.1, 54.75N, 164.63E, h0km, mb3.1/3, mbtmp3.1/4, ML1.9/1, Error ellipse: s-maj=131.0km

s-min=31.4km az=153.0, Komandorsky Islands region

Table for Komandorsky Islands region with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PETK Petropavlovsk, ILAR Eielson Array, YKA Yellowknife Ar, etc.

ISC 22 09:44:05.9, 2.4, 54.34N, 164.79E, h0km, mb3.2/3, mbtmp3.1/4, ML2.1/1, Error ellipse: s-maj=125.8km

s-min=31.9km az=156.0, Komandorsky Islands region

Table for Komandorsky Islands region with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PETK Petropavlovsk, ILAR Eielson Array, YKA Yellowknife Ar, etc.

ISC 22 10:16:56.1, 1.1, 51.67N, 75.41E, h0km, mbtmp2.8/2, ML2.1/2, Error ellipse: s-maj=25.7km s-min=8.6km

az=27.0, ISC 22 09:47:17.3, 1.4, 51.71N, 70.17539E, 0.109, h0km, n7, c170/6, 3C-1D, Eastern Kazakhstan

Table for Eastern Kazakhstan region with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KURBB Kurchatov Arra, KURBB Kurchatov Arra, KURK Kurchatov Arra, etc.

1458

Table for 1458 region with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MSVF Nonsavu, ASAR Alike Springs, WRA Warramunga Arr, etc.

ISC 22 10:25:55.0, 1.9, 54.77N, 164.14E, h0km, mb3.5/5, mbtmp3.5/6, ML2.5/1, MS3.1/3, Error ellipse: s-maj=64.5km

s-min=20.0km az=165.0, KRSC 22 10:25:55.5, 1.2, 54.59N, 164.25E, h50km, 32km, ML3.8

ISC 22 10:25:55.6, 3.7, 54.87N, 160.05E, 164.25E, 0.06, h8km, 25km, n32, c109/36, mb3.6/5, Komandorsky Islands region

Main table for Komandorsky Islands region with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BKI Bering, KBTB Krutoberegovo, KBG Krutoberegovo, etc.

ISC 22 10:40:54.4, 1.1, 0.5, 51.45S, 68.00E, h0km, mb3.5/5, mbtmp3.5/5, MS3.1/3, Error ellipse: s-maj=358.4km

s-min=33.8km az=66.0, Carlsberg Ridge

Table for Carlsberg Ridge region with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PALK Paleleke, LBTB Lobate, SUR Sutherland, etc.

SKHL 22 10:45:11.9, 0.8, 47.10N, 152.40E, h130km, 3km, mb5.2/4, msh6.0/4

MOS 22 10:45:11.1, 1.1, 47.11N, 152.25E, h137km, mb4.1/8, Error ellipse: s-maj=9.9km s-min=6.8km az=74.8

ISC 22 10:45:14.2, 3.4, 47.27N, 151.99E, h144km, 20km, mb3.6/17, mbtmp4.0/22, Error ellipse: s-maj=22.6km

s-min=13.8km az=135.0, JMA 22 10:45:14.2, 0.7, 46.7N, 153.3E, h142km, MV3.9/11, KURILE ISLANDS REGION

NEIC 22 10:45:14.4, 1.0, 47.3N, 0.2, 152.0E, 0.2, h141km, 12km, mb4.2/26, Error ellipse: s-maj=28.6km s-min=9.9km az=152.0

ISC 22 10:45:13.2, 0.7, 47.06N, 0.08, 152.32E, 0.07, h150km, n120, c174/124, mb4.1/36, 2C-8D, Kuril Islands

Main table for Kuril Islands region with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KUR Kuril'sk, WRA Warramunga Arr, SKR Severo-Kuril's, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like YUK, NEM2, JAK, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like ARCES, AKKB, KIEV, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like KRK, KOK, GNL, etc.

22d 13h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Liberty Lake, Huntsville, TX, CROK, etc.

ICD 22 11:19:51.5-1.1, 54.93N-164.63E, h0km, mb3.5/5, mbmp3.5/6, ML2.6/1, MS2.8/3 Error ellipse: s-maj=87.5km s-min=19.6km az=144.0

KRSC 22 11:19:51.9-0.7, 54.77N-164.53E, h46km, mb3.6 ICD 22 11:19:54.8-0.8, 54.88N-164.58E, h27km, n24, r132/27, mb3.5/5, Komandorsky Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Bering, Bezmyannaya, Kamenistaya, etc.

HEL 22 12:30:02.0-2.1, 63.98N-28.12E, h0km, ML1.9, Explosion ICD 22 12:30:03.3-1.7, 63.92N-28.44E, h0km, mbmp2.8/3, ML2.0/3 Error ellipse: s-maj=91.3km s-min=9.4km az=98.0

KOLA 22 12:30:07.6, 64.48N-31.31E, h0km, ML1.8, Karelia ICD 22 12:30:01.9-0.8, 64.00N-02.28-19E, 0.03, h0km, n45, r121/68, Finland

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Nilsia, Romuvaara, Oulu, etc.

2018 DEC

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Riekk, Keuruu, Oulanka, etc.

ICD 22 12:59:58.7-1.1, 54.99N-164.27E, h0km, mb3.6/4, mbmp3.5/5, ML2.3/1, MS3.0/1, Error ellipse: s-maj=50.9km s-min=21.3km az=154.0

KRSC 22 12:59:59.4-1.1, 54.80N-164.39E, h47km, mb3.1km, ML3.7 ICD 22 13:00:01.9-0.9, 54.85N-164.44E, h0.05, h27km, n31, r132/37, mb3.6/4, Komandorsky Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Bering, Krutoberegovo, Semkarok, etc.

ICD 22 13:29:45.6-0.4, 55.62N-164.65E, h0km, mb4.9/34, mbmp4.9/38, ML5.1/5, MS5.0/69 Error ellipse: s-maj=11.3km s-min=9.2km az=175.0

KRSC 22 13:29:46.3-1.1, 55.12N-164.71E, h55km, mb3.9km, Mc5.9, M16.0, Felt [IV] at kordon Aerodrom; [III-IV] at Nikolskoe; [II] at kordon Kronotk.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Kurchatov Arra, Lajitas Array, Alice Springs, etc.

1460

M5.7/98, M5.7/5, 4/91 NEIC 22 13:29:47.55, 12N-164.45E, h26km, Moment Tensor Solution. Duration: 3s Moment tensor: Scale 107Nm; Mn:0.4; Mw:1.89; Mw:1.85; Mw:0.03; Mw:2.14; Mw:0.06; Fault plane solution: Ms2.84000x1017 NP1: q=249.42000, s=89.05000, p=1.07000. NP2: q=159.40000, s=88.93000, p=1.79.05000. Principal axes: T 2.8237, Plg1.0000, Azm114.0000; N 0.0419, Plg89.0000, Azm291.0000; P -2.8655, Plg0.0000, Azm24.0000; MOS 22 13:29:50.1-1.2, 55.17N-164.51E, h45km, mb5.5/48, MS5.9/35 Error ellipse: s-maj=4.9km s-min=3.7km az=97.0

GMCT 22 13:29:51.0-0.1, 55.27N-164.164.77E, 0.01, h19km, MM5.5/164, Moment Tensor Solution, s121.c220; s164.c307; Duration: 1s Moment tensor: Scale 107 Nm; Mn:0.07; Mw:1.42; Mw:0.03; Mw:1.34; Mw:0.3; Mw:0.71; Mw:0.7; Mw:2.15; Mw:0.25; Mw:0.6; Best double couple: Ms2.66300x1017 NP1: q=74.0000, s=89.0000, p=1.16.0000. NP2: q=343.0000, s=874.0000, p=1.79.0000. Principal axes: T 2.6380, Plg12.0000, Azm300.0000; N 0.0440, Plg74.0000, Azm79.0000; P -2.6880, Plg10.0000, Azm208.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-ratio function

ISC 22 13:29:48.2-0.6, 55.10N-163.03, 164.71E, 0.03, h20km, 2km, n1318, i168/1041, mb5.4/287, MS5.2/397, 61C-17D, Komandorsky Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Bering, Krutoberegovo, Semkarok, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like PAU Pauzhetka, SHEM Shemya Is, SKR Severo-Kuril's, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like GRNR comp=E,6um,17.0s, F14K Arctic Creek, M13K Dal Lake, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like JTM Tenmabayashi, JTM Tenmabayashi, J17K Kvitach River, etc.

Table with columns: Station, Frequency, Power, Direction, Date/Time, and other parameters. Includes stations like DLBC Dease Lake, IRK Irkutsk, T35M Bob Quinn, H11N2 WAKE ISLAND Hy, etc.

Table with columns: Station, Frequency, Power, Direction, Date/Time, and other parameters. Includes stations like WHN, NOR Nord, NLWA Neilton Lookou, XAN, ZALV Zalesovo Beam, etc.

Table with columns: Station, Frequency, Power, Direction, Date/Time, and other parameters. Includes stations like O02D Mt. Diablo Mer, CD2 Chengdu, WMQ Urumqi, etc.

22d 13h

Table with columns: Station, Frequency, Power, Mode, and other parameters. Includes stations like SUMG Summit, CMB Columbia Colle, BBN Battle Mountain, etc.

2018 DEC

Table with columns: Station, Frequency, Power, Mode, and other parameters. Includes stations like PDAR Pinedale Array, ZHN Zhisnishe, ZHN Zhisnishe, etc.

1464

Table with columns: Station, Frequency, Power, Mode, and other parameters. Includes stations like AAK Ala-Archa, NRN Naryn, O20A White River Ci, etc.

Main content area containing a dense grid of data with columns for station names, codes, times, and various numerical values.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like KSP, L61B, CLL, CLM, etc.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like PSZ, PANC, BSTI, BG3, etc.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like BRTR, BR105, BOVS, DZM, etc.

Table with columns: Code, Station Name, Azimuth, Altitude, Frequency, Band, and other technical details. Includes stations like Manteigas, Marv??o, Wied Dalam, etc.

Table with columns: Code, Station Name, Azimuth, Altitude, Frequency, Band, and other technical details. Includes stations like Huaquique, Chuzmiza, Vnda, etc.

Table with columns: Code, Station Name, Azimuth, Altitude, Frequency, Band, and other technical details. Includes stations like APC, APC, KDR, etc.

22d 13h

Table with columns: ID, Name, Date, Time, Status, Location, Value, etc. Includes entries like I17K Unalakleet, O15K Ungalikthiuk R, D17K Nootat River, etc.

2018 DEC

Table with columns: ID, Name, Date, Time, Status, Location, Value, etc. Includes entries like H21K Melozitna Rive, E21K Killik River, CHUM Lak Minchumim, etc.

1468

Table with columns: ID, Name, Date, Time, Status, Location, Value, etc. Includes entries like MAJO Matusushiro, MAJO Matusushiro, MAJO Matusushiro, etc.

Table of astronomical observations for December 2018, listing objects (e.g., A36M, H11N3, ULN), their characteristics (RA, Dec, mag, etc.), and observers (e.g., pP, pPmax, FFC). The table is organized in columns with varying object and observer details.

Table with columns for station name, frequency, and other parameters. Includes stations like MNK, WVK, PMG, etc.

Table with columns for station name, frequency, and other parameters. Includes stations like PRU, FPAL, VRAC, etc.

Table with columns for station name, frequency, and other parameters. Includes stations like STKA, TORD, PLCA, etc.

VIE 22 14:04:47.3+0.1, 46:77N:12:36E, h9km,2km, mb2.0/18, m2.6/22, Error ellipse: s-maj=1.1km s-min=0.7km az=166.0 felt 4 ems98 Northwest of Sillian / Tyrol 5 km WNW of Sillian
ROM 22 14:04:47.7+0.9, 46:77N:12:40E:0:003, h11km, ML2.3/72, Error ellipse: s-maj=0.3km s-min=0.1km az=154.0
PRU 22 14:04:49.8, 46:83N:12:43E, h10km
ISC 22 14:04:47.7+0.9, 46:77N:12:39E:0:01, h9km, 7km,

Table with columns: Code, Station Name, Az, Phase, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like ABTA, AFL, CSMI, BRES, ZOU, CIMO, CLUD, CSO, FUSE, PLRO, ALPGO, MPR, MPRI, MPRI, MPRI, MPRI, MPRI, WTTA, WTTA, WTTA, WTTA, WTTA, WTTA.

Table with columns: Station Name, Az, Phase, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like WTTA, KBA, ZIAN, ZIAN, ZIAN, ZIAN, KOSI, KOSI, KOSI, PTCO, PTCO, PTCO, WATA, VARN, VARN, VARN, VARN, VARN, ACOM, APPI, MYKA, PRED, CTI, SOTA, SOTA, OZOL, OZOL, OZOL, OZOL, OZOL, PANI, PANI, PANI, PANI, MOT, MOT, SABO, SABO, SABO, SABO, FETA, FETA, GAGG, GAGG, GAGG, GAGG, GAGG, GAGG, CARE, CARE, CARE, CARE, CARE, CARE, BIAO, BIAO, BIAO, MOSI, MOSI.

Table with columns: Station Name, Az, Phase, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like MOSI, LUSI, LUSI, LUSI, RETA, RETA, VARA, VARA, VARA, VARA, VARA, BRMO, BRMO, BRMO, TRI, TRI, TRI, RONC, RONC, RONC, RONC, MABI, MABI, MABI, MBAL, MBAL, MBAL, OBKA, OBKA, OBKA, MAGA, MAGA, MAGA, MAGA, MOA, MOA, MOA, YVOBA, DAVA, DAVA, SOKA, SOKA, ZONE, ZONE, ARSA, ARSA, CKRC, KHC, KHC, CONA, CONA, SEI, SEI, SEI, RONA, RONA, ZVC, NK, NK, PRU, KRUC, KRUC, VRAC, DPC, CLL.

NEIC 22 14:04:51.4+2.2, 22:8N:0:1:124:75E:0:08, h10km,2km, mb4.3/6, Error ellipse: s-maj=18.0km s-min=12.4km az=173.0
IDC 22 14:04:52.5+0.9, 22:99N:124:66E, h0km, mb3.7/8, mbmp3.8/11, ML3.5/2, MS3.6/1, Error ellipse: s-maj=26.9km s-min=18.0km az=76.0
NIED 22 14:04:56.5, 23:09N:124:58E, h39km, MW4.2, Moment Tensor Solution, s3 Moment tensor: Scale 10^5Nm; Mw:1.82; Ms:2.14; Ms0:0.32; Mw0.30; Mw0.25; Fault plane solution: M:2, 16000x10^15 NP1: phi:262.00000; 857.00000; lambda:99.00000; NP2:phi:98.00000

22d 14h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HATJ Hateruma jima, JKRJ Kuroshima, JSHG Ishigaki jima, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BKI Bering, KBTR Krutoberegovo, SMKR Semkarok, etc.

2018 DEC

Main table with columns: GRL, OSSR, YKA, KURBB, MKAR, ASAR, KRNET, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Gorelyy, Oссора, Yellowknife Ar, Kurchatov Arra, etc.

1472

Table with columns: KTBS, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HIDR Higey Centro, HIDR comp=N,16nm,0.7s, HATM Hato Mayor del, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC. Includes stations like KODAK Kodiak Island, N19K Bonanza Creek, F15K North Star Ditch, etc.

TEH 22 14:23:15.2, 32.79N, 47.61E, h10km, 42km, ML2.8
ISN 22 14:23:15.6, 0.4, 32.65N, 47.63E, h18km, 3km, ML2.7
ISC 22 14:23:15.8, 1.0, 32.79N, 0.05, 47.62E, 0.04, h10km, n22,
c1534/25, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC. Includes stations like IKFM Kafar-mosalmal, IDOB Doab, Iam Banvizeh, etc.

IDC 22 14:24:59.6, 1.2, 13.41S, 166.85E, h37km, 8km, mb5.3/27,
mbmp5.5/29, ML2.71, MS5.5/61, Error ellipse:
s-maj=12.2km s-min=10.5km az=74.0

BUI 22 14:25:00.0, 12.99S, 166.89E, h43km, mb5.7/97, mB6.0/78,
Ms5.6/99, Ms7.5/96

MOS 22 14:25:00.9, 1.1, 13.39S, 166.66E, h57km, mb6.1/40,
MS5.7/16, Error ellipse: s-maj=7.9km s-min=5.5km
az=126.2

NEIC 22 14:25:00.2, 13.38S, 166.74E, h31km
NEIC 22 14:25:01.2, 13.50S, 166.51E, h50km, Moment Tensor
Solution. Duration: 45s Moment tensor: Scale 10^19Nm;

NEIC 22 14:25:01.2, 13.40S, 166.82E, h42km, 1km,
mb5.9/221, Ms 20.5/8.559, Mw5.9/72, Mw6.0/53 Error
ellipse: s-maj=11.7km s-min=10.1km az=222.0, Moment
Tensor Solution. Moment tensor: Scale 10^19Nm;
Mn:0.94, Mn:0.05, Mn:0.90; Mn:0.00, Mn:0.33; Mn:0.25;

NEIC 22 14:25:01.2, 13.43S, 166.69E, h52km, Mw6.1, Fault plane
solution: NP1:phi=338.000000, delta.000000, lambda.000000,
NP2:phi=152.000000, delta.000000, lambda.000000,
Principal axes: T 1.3120, P1g7.000000, Azm265.000000; N
0.0090, P2g2.000000, Azm166.000000; P -1.3170,
P1g11.000000, Azm76.000000; nst1 refers to body waves,
cutoff=40s. nst2 refers to surface/mantle waves,
cutoff=50s. Triangular moment-rate function

ISC 22 14:25:01.2, 13.40S, 166.81E, 0.03, h50km, 2km,
h50km; pp-P, n1698, r139, r1576, mb5.9/242, MS5.8/390,
119C-40D, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC. Includes stations like SANVU Saraoutou, SANVU Saraoutou, SANVU Saraoutou, etc.

Main table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC. Includes stations like HNR Honiara, HNR Honiara, HNR Honiara, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC. Includes stations like URZ Urewera, WMGZ Waionatini S, WMGZ Waionatini S, etc.

Table with columns for call sign, name, frequency, and other details. Includes stations like PTSP Port Pirie, AUHPC Hawkesdale P12, and various GUMO and SWI stations.

Table with columns for call sign, name, frequency, and other details. Includes stations like KMSI Cibirong, KMBL Kambalada, and various MAJJO and MAJO stations.

Table with columns for call sign, name, frequency, and other details. Includes stations like SMRI Semarang, MAJJO Matushiro, and various JMM and JMD stations.

22d 14h

Table with columns for station code, name, frequency, and various signal quality metrics (P, S, I, etc.). Includes stations like SSE Sheshan, KSRS Korea Array, KS19 Wnju Array Si, etc.

2018 DEC

Table with columns for station code, name, frequency, and various signal quality metrics. Includes stations like BKNI Bangkok, PEAOB Petropavlovsk, WHN WHN, etc.

1476

Table with columns for station code, name, frequency, and various signal quality metrics. Includes stations like NIKH Nikolski High, NIKH Nikolski High, GSI Gunungsitoli, etc.

1477

Table with columns: ID (e.g., MA2, CM31, CMAR), Name (e.g., Magadan, Chiang Mai Arr, Chiang Mai), Coordinates (e.g., 73.88 352), and various attributes like LR, P, IAMB, etc.

2018 DEC

Table with columns: ID (e.g., O15K, M13K, M13K, M13K), Name (e.g., Ungalikthiuk R, Dali Lake, Kulluk River), Coordinates (e.g., 77.23 17), and various attributes like P, IAMB, etc.

22d 14h

Table with columns: ID (e.g., YAK, YAK, YAK), Name (e.g., Yakutsk, Yakutsk, Yakutsk), Coordinates (e.g., 80.64 343), and various attributes like P, IAMB, etc.

22d 14h

Table with columns: ID, Name, Elevation, Date, Time, Status, Location, and other details. Includes entries like H18K Honhosa River, H18K Honhosa River, GCSA Galena City Sc, etc.

2018 DEC

Table with columns: ID, Name, Elevation, Date, Time, Status, Location, and other details. Includes entries like C17K DeLong Mountain, LSA Lhasa, LSA Lhasa, etc.

1478

Table with columns: ID, Name, Elevation, Date, Time, Status, Location, and other details. Includes entries like L27K Beaver Creek, P30M Million Dollar, BCAR Bella Bella, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like G26K Porcupine River, WVOR Wild Horse Val, K29M Barlow Dome, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like TUC Tucson, D28M Stokes Point, NEW Newport, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like MKAR comp=Z,1.5nm,1.1s, WZVWZ Zalesovo Beam, etc.

22d 14h

Table with columns: Station, Name, Frequency, Power, Modulation, Bandwidth, etc. Includes stations like SGDS, WMOK, BTLA, OK038, etc.

2018 DEC

Table with columns: Station, Name, Frequency, Power, Modulation, Bandwidth, etc. Includes stations like UOAS, HATD, DMTD, etc.

1480

Table with columns: Station, Name, Frequency, Power, Modulation, Bandwidth, etc. Includes stations like STEI, MOS, DY2G, etc.

Main table containing astronomical data for 2018 DEC, including object names, coordinates, magnitudes, and various flags.

22d 14h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Contains data for stations like PCBR, PMRV, PSBE, etc.

SJA 22 14:28:25.0, 21.72S, 68.75W, h152km, ML4.4
VAO 22 14:28:25.1, 0.6, 21.66S, 68.17W, h97km, 4km, mb5.1

NEIC 22 14:28:26.0, 2.4, 21.66S, 0.05, 68.65W, 0.08, h143km, 10km, mb4.65, Error ellipse: s-maj=11.4km

GUC 22 14:28:27.3, 0.8, 21.67S, 68.56W, h128km, 3km, ML4.3
IDC 22 14:28:28.2, 0.7, 21.83S, 68.34W, h135km, 5km, mb4.2/2, m1btp4.6/17, Error ellipse: s-maj=17.9km s-min=12.8km

ISC 22 14:28:26.0, 0.5, 21.65S, 0.03, 68.44W, 0.04, h125km, 4km, n147, 0.18/84/161, mb4.6/13, 10C-1D, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Contains data for stations like PB09, PB01, PB04, etc.

2018 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Contains data for stations like PB14, PB12, PB11, etc.

1482

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Contains data for stations like KSH, MKAR, HEH, BGSJ, BUL, etc.

Table with columns: Call Sign, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like Willow, Kavik River, MCK, etc.

Table with columns: Call Sign, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like TOAD, YKA, GERES, etc.

PRE 22 14:58:19.8±1.7, 20°58'S-32°85'E, h10km, ML2.8, Zimbabwe

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like MOPA, MUSN, HOED, etc.

PRE 22 14:58:23.4±1.0, 20°82'S-32°55'E, h5km, ML2.8

BUL 22 14:58:34.6±0.8, 22°03'S-32°60'E, h10km, MD3.4

ISC 22 14:58:25.2±1.7, 20°93'S-0°05'-32°54'E±0.09, h10km, n18, α185°27', Zimbabwe

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like MOPA, MUSN, BLWY, etc.

IDC 22 15:11:51.2±0.8, 54°92'N-165°03'E, h0km, mb3.6/11, mbtmp3.7/13, ML3.8/2, Error ellipse: s-maj=28.4km

KRSC 22 15:11:52.3±1.0, 54°97'N-164°89'E, h49km±24km, M14.2

ISC 22 15:11:54.8±1.7, 54°98'N-164°90'E±0.06, h23km±14km, n51, α191°16', mb3.7/11, Komandorsky Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like BKI, KBTR, KBG, etc.

Table with columns: Call Sign, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like ILAR, MJAR, SONM, etc.

NEIC 22 15:13:46.8±1.9, 54°74'N-165°06'E±0.1, h10km, 1km, mb4.3/46, Error ellipse: s-maj=14.7km s-min=12.0km, az=143.0

IDC 22 15:13:47.9±0.7, 54°94'N-164°81'E, h0km, mb3.8/15, mbtmp3.9/17, ML4.0/2, MS4.3/2, Error ellipse: s-maj=26.3km s-min=12.6km, az=155.0

KRSC 22 15:13:48.4±1.2, 54°96'N-164°77'E, h49km±23km, M14.4

MOS 22 15:13:50.1±0.7, 55°00'N-164°88'E, h42km, mb4.5/10, Error ellipse: s-maj=7.6km s-min=5.6km, az=136.6

ISC 22 15:13:51.1±0.5, 54°99'N-164°95'E±0.04, h34km, n174, α192°19', mb4.2/45, MS4.4/3, Komandorsky Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like BKI, KBTR, KBG, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like SKR, BILL, M11K, K13K, ASAJ, L14K, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like FCC, BVAR, BRVK, BRVK, NVAR, PDAR, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like KURBB, TXAR, NEIC, AEIC, ISC, etc.

Table with columns: J25K, Salcha River, 3.73 31, IAML, 16 01 09.8, etc. Includes various station names and coordinates.

ISN 22 16:04:15.1±0.9,34°38'N:45°63'E, h6km±33km, ML2.6
TEH 22 16:04:17.4, 34°39'N:45°63'E, h10km±81km, ML2.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KGS1, GLG1, IDHR, etc.

DJA 22 16:13:28.5±0.2, 1°N±2°12'E, h77km±5km, M4, 7/23,
mb4.8/9, mb5.0/6, MLV4.8/23, Mw(mb)4.3/6

NEIC 22 16:13:29.0±2.4, 0.56N±0.07±121.76E±0.08, h101km±7km,
mb4.6/36, Error ellipse: s-maj=13.2km s-min=7.4km

IDC 22 16:13:30.4±1.5, 0.50N±1.21±91E, h122km±13km, mb3.9/23,
mbmp4.3/25, MS3.2/1, Error ellipse: s-maj=18.6km

ISC 22 16:13:29.1±0.7, 0.57N±0.04±121.77E±0.05, h108km±6km,
n112, e1543/123, mb4.5/44, 1C, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MRS1, TOL1, TOL2, etc.

Table with columns: MBWA, Marble Bar, 21.69 185, P, P, 16 18 10.9 -0.5, etc. Includes various station names and coordinates.

ISN 22 16:04:15.1±0.9,34°38'N:45°63'E, h6km±33km, ML2.6
TEH 22 16:04:17.4, 34°39'N:45°63'E, h10km±81km, ML2.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RABL, NJ2, NJ2, etc.

Table with columns: ILAR, Eielson Array, 90.06 25, P, P, 16 26 14.3 -2.3, etc. Includes various station names and coordinates.

ISN 22 16:17:55.8±0.5, 34°26'N:45°54'E, h8km±3km, ML2.8
TEH 22 16:17:56.6±0.9, 34°27'N:45°64'E, h8km±48km, ML2.8

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KGS1, GLG1, IDHR, etc.

TRN 22 16:20:13.0, 16°45'N:60°91'W, h30km, MD3.5, East of Guadaloupe, Leeward Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TBG, ANBD, ANBD, etc.

NOU 22 16:49:51.5, 16°15'S:168°14'E, h2km, MLV4.3/13, Vanuatu Islands
IDC 22 16:49:52.2±1.6, 16°11'S:167°87'E, h0km, mb3.8/4,
mbmp3.9/5, ML4.0/1, Error ellipse: s-maj=46.6km

ISC 22 16:48:42.9±1.2, 16.20S±0.08, 168°11E±0.1, h10km, n14,
s1829/15, mb3.9/4, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DANV, SANV, SANV, etc.

NEIC 22 16:56:07.0±1.1, 17°6'S:178°17'W±0.2, h593km±12km,
mb4.2/14, Error ellipse: s-maj=29.6km s-min=21.7km

IDC 22 16:56:10.8±1.7, 17°12'S:178°81'W, h606km±12km, mb3.2/6,
mbmp4.2/7, Error ellipse: s-maj=96.3km s-min=20.7km

ISC 22 16:56:08±1.2, 17.7S±0.2±178.4W±0.2, h600km, n22,
e1508/22, mb4.0/13, Fiji Islands region

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

22d 18h

Table of astronomical observations for 22d 18h, listing station names, coordinates, and observation details.

2018 DEC

Main table of astronomical observations for 2018 DEC, including station names, coordinates, and observation details.

1488

Table of astronomical observations for 1488, listing station names, coordinates, and observation details.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for CMIG Matias Romero, BAUV El Baul, TLIG Tiapa, etc.

IDC 22 18:05:47.9:3.6, 13.475x166.68E, h57km, 30km, mb3.5/7, mbmp3.8/9, ML4.3/2, MS2.9/2, Error ellipse: s-maj=31.0km s-min=17.4km az=65.0

ISC 22 18:05:47.1:1.0, 13.435x166.8E:0.1, h50km, n11, +15/12, mb3.77, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for HNR Honiara, DZM Mont Dzumac, WRA Warramunga Arr, etc.

NEIC 22 18:06:48.9:1.3, 61.41N:0.04:150.08W:0.05, h37km, 12km, Error ellipse: s-maj=5.9km s-min=3.6km az=196.0

AEIC 22 18:06:49.2:1.1, 61.38N:0.03:150.12W:0.03, h36km, 5km, ML2.6, ML2.770(NEIC), Error ellipse: s-maj=4.0km s-min=1.9km az=177.0, Southern Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for M22K Willow, PMR Palmer, STLK Strandline Lak, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for N25K comp=E,26nm,0.4s, N18K Kilae Creek, O18K Koptuh Hills, etc.

BUL 22 18:11:10.0:0.4, 20.785x32.99E, h21km, 6km, MD3.3, ISC 22 18:11:11.6:2.1, 20.625x32.5E:0.1, h10km, n12, +24/18, Zimbabwe

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for MUSH Musina, Limpop, MOPAN Mopani, etc.

ASIES 22 18:28:22.1, 23.80N:121.42E, h28km, ML3.6 Mw3.2, Moment Tensor Solution: Moment tensor: Scale 1020Nm; Mw:4.06; Mww:1.58; Mww:2.48; Mw:0.93; Mw:3.85; Mw:5.80;

Fault plane solution: N: P: 86882x1020 NP2: phi=188.00000, delta=272.29000, lambda=59.86000. N: P: 272.29000, delta=188.00000, lambda=59.86000. Principal axes: T: P: 52.90100, delta=354.30000, lambda=147.55000. Azm: 61.9370; N: P: 28.5760; Azm: 198.0120; P: P: 28.5760; Azm: 300.4400;

TAP 22 18:28:22.1, 23.80N:121.42E, h28km, ML3.6, 16C-27D, B, Taiwan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for ESL Shilin, WARB Fenglin Townsh, GUANGU Guangfu, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for ETL Fush Village, NACB Ninganchiao, ETLB Xiulin Townshi, etc.

22d 18h

Table with columns: Station Name, Azimuth, Elevation, P, S, I, A, M, B, and various numerical values. Includes stations like EGS, NCUH, CHNH, CHNH, SHINHUA, etc.

VAO 22 18:33:37.2, 0.7, 35.24S; 70.33W, h10km, mb4.3
SJA 22 18:33:39.0, 35.39S; 71.20W, h114km, ML4.0
NEIC 22 18:33:40.6, 1.6, 35.39S; 0.04; 71.17W; 0.08, h107km, 4km, mb4.1/15, Error ellipse: s-maj=10.1km s-min=5.3km

IDC 22 18:33:40.9, 3.0, 35.37S; 70.67W, h104km, 27km, mb3.7/8, mbmp4.0/11, Error ellipse: s-maj=28.5km s-min=17.5km az=93.0

GUC 22 18:33:41.3, 0.8, 35.36S; 71.22W, h107km, 3km, ML4.1
ISC 22 18:33:40.3, 0.6, 35.38S; 0.03; 71.16W; 0.05, h105km, 5km, n145, s1512/182, mb4.0/12, 16C-2D, Central Chile

Main table for station data with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like MLO2, BO02, MT01, etc.

2018 DEC

Main table for station data with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like MT16, MT14, MT02, etc.

1490

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like TX31, BOSA, TORO, etc.

SOME 22 18:38:02.2, 39.15N; 73.48E, h10km
KRNET 22 18:38:07.3, 0.1, 39.34N; 73.08E, h16km, mb3.2
NNC 22 18:38:18.8, 8.3, 39.78N; 73.13E, h0km, mb3.7, mpv3.3, Error ellipse: s-maj=36.3km s-min=18.1km az=167.0

ISC 22 18:38:09.1, 1.1, 39.42N; 0.05; 73.04E; 0.03, h10km, n30, az=207.17, 30C-21D, Tajikistan-Xinjiang border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like SFK, DRK, ARK, etc.

NEIC 22 18:42:17.6, 2.7, 24.08S; 0.05; 66.89W; 0.08, h173km, 7km, mb4.5/49, Error ellipse: s-maj=11.2km s-min=8.0km az=88.0

IDC 22 18:42:18.7, 2.1, 23.97S; 66.91W, h178km, 18km, mb3.8/13, mbmp4.3/17, Error ellipse: s-maj=18.0km s-min=11.1km az=65.0

SJA 22 18:42:18.7, 0.7, 24.06S; 67.05W, h196km, 6km, ML4.5, MW4.2

VAO 22 18:42:19.7, 0.6, 23.98S; 66.94W, h194km, 6km, mb4.4
GUC 22 18:42:19.7, 0.5, 24.06S; 67.26W, h217km, 5km, ML4.6
ISC 22 18:42:18.4, 0.6, 24.04S; 0.03; 67.08W; 0.03, h188km, 6km, n188, s1854/220, mb4.4/30, 5C-1B, Chile-Antarctica border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like AF01, AZAP, FSA, etc.

Table with columns: ID, Name, RA, Dec, Az, El, Type, and other parameters. Includes entries like PB06 IPOC Station P, ALOL LOMAS DE OLMED, AHML Horco Molle, AC01 Pan de Azucar, etc.

Table with columns: ID, Name, RA, Dec, Az, El, Type, and other parameters. Includes entries like ATAH Athualpa, NPGB Novo Progresso, BSCB Bon Sucesso, etc.

Table with columns: ID, Name, RA, Dec, Az, El, Type, and other parameters. Includes entries like MUCR, MPNC, AIO, etc.

Table with columns: ID, Name, RA, Dec, Az, El, Type, and other parameters. Includes entries like ROM 22 19:04:49.0, BKI Bering, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KII Karymshiy, SPN Mys Shipunski, NLC Nalytchevo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GERES GERESS Array B, WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KAPI Kappang, LUWI Luwuk, TTSI Tana Toraja, etc.

IDC 22 20:06:49.7:1.4, 45:18N:107:10W, h0km, mbtmp3.3/2, ML3.2/2, Error ellipse: s-maj=49.8km s-min=9.1km az=133.0

NEIC 22 20:06:51.3:0.6, 45:14N:0:05:106:95W:0.07km, h0km, 1km, ML3.2/32, Error ellipse: s-maj=9.3km s-min=4.7km az=139.0

ISC 22 20:06:51.6:1.3, 45:21N:0:06:106:88W:0.07, h0km, n20, alpha15/18, Montana

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations like LASA Array, Red Lodge, Black Hills, Flagg Ranch, etc.

IDC 22 20:19:25.3:2.6, 55:57N:164:39E, h0km, mb3.2/3, mbtmp3.2/4, ML2.8/1, MS2.5/2, Error ellipse: s-maj=88.8km s-min=27.1km az=156.0

KRSC 22 20:20:27.3:0.8, 55:44N:164:41E, h4km, 22km, ML3.6

ISC 22 20:19:27.9:0.8, 55:44N:0:06:164:43E:0.05, h22km, n29, alpha131/29, mb3.1/3, Komandorskiy Islands region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations for the Komandorskiy Islands region like Bering, Krutoberegovo, etc.

NEIC 22 20:23:35.0:1.1, 43:65N:0:07:105:33W:0.07, h0km, 1km, ML3.1/32, Error ellipse: s-maj=12.1km s-min=8.0km az=174.0

IDC 22 20:23:37.1:1.8, 43:57N:105:25W, h0km, mbtmp3.3/5, ML2.9/5, Error ellipse: s-maj=45.5km s-min=9.5km az=149.0

ISC 22 20:23:37.3:1.1, 43:75N:0:08:105:23W:0.07, h0km, n23, alpha170/22, Wyoming

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations for Wyoming like Black Hills, Casper, Red Feather La, etc.

comp=N,25nm,1.1s
FLWY Flagg Ranch 3.96 277 Pn 20 24 38.9 -0.7

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations like Flagg Ranch, Moose Ponds, Fox Creek, etc.

IDC 22 20:41:21.7:1.8, 55:10N:164:03E, h0km, mb3.3/6, mbtmp3.3/7, ML2.4/1, Error ellipse: s-maj=62.1km s-min=18.8km az=163.0

KRSC 22 20:41:27.3:1.4, 55:00N:164:82E, h51km, 22km, ML3.9

ISC 22 20:41:29.8:0.8, 55:00N:0:07:164:92E:0.06, h34km, n34, alpha128/30, mb3.2/6, Komandorskiy Islands region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations for the Komandorskiy Islands region like Bering, Krutoberegovo, etc.

TIR 22 20:42:10.8, 41:80N:19:38E, h6km, 2km, ML2.8

PDG 22 20:42:13.7:0.1, 41:91N:19:35E, h10km, MD2.5/2, ML2.4/1, Error ellipse: s-maj=0.3km s-min=0.3km az=90.0

RHSSO 22 20:42:14.1:0.7, 41:88N:19:29E, h9km, 2km, ML2.4/7

BEO 22 20:42:14.6:0.3, 41:90N:19:44E, h4km, 2km, ML2.8/8

ISC 22 20:42:13.2:0.9, 41:86N:0:02:19:30E:0.02, h11km, 6km, n76, alpha86/129, 19C-11D, Albania

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations for Albania like Ulcinj, Dracevica, etc.

comp=N,25nm,1.1s
ULM Lac du Bonnet 4.78 179 IAML Pn 20 24 52.3 +1.4

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations like Lac du Bonnet, Eagleton, EROS Data Cent, etc.

IDC 22 20:41:21.7:1.8, 55:10N:164:03E, h0km, mb3.3/6, mbtmp3.3/7, ML2.4/1, Error ellipse: s-maj=62.1km s-min=18.8km az=163.0

KRSC 22 20:41:27.3:1.4, 55:00N:164:82E, h51km, 22km, ML3.9

ISC 22 20:41:29.8:0.8, 55:00N:0:07:164:92E:0.06, h34km, n34, alpha128/30, mb3.2/6, Komandorskiy Islands region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations for the Komandorskiy Islands region like Bering, Krutoberegovo, etc.

TAP 22 20:47:48.1, 24:79N:122:43E, h16km, ML2.8, D

JMA 22 20:47:48.5:0.1, 25:11N:122:44E:0.3, h15km, 1km, MV1.9/14, NW OFF ISHIGAKUJIMA IS

ISC 22 20:49:01.5, 24:76N:0:04:122:44E:0.03, h109km, 7km, n84, alpha79/165, Taiwan region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations for the Taiwan region like E0S2, E0S3, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like NCUH Zhongli, ETM Tongmen, TEVL Yanliu Villag, etc.

UPP 22:20:58.46.0.0, 67.84N:20.22E, h0km, ML2.3, Confirmed Induced event

ICD 22:20:58.46.8.0.8, 67.84N:20.60E, h0km, mbtmp3.4/5, ML2.2/4, Error ellipse: s-maj=14.4km s-min=5.9km

HEL 22:20:58.47.0.6, 67.85N:20.27E, h1km, ML2.0, Confirmed Induced event

BER 22:20:58.48.4.1.9, 67.88N:20.32E, h0km, ML2.2, Confirmed Induced event

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like KUA Kuravaara, KUA Kuravaara, RATU Laukkulupsa, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like KTK1 comp=Z,31nm,0.2s, KTK1 Kautokeino, HARU Harads, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like ARCES ARCES Array B, HAMF Hammerfest, BURU Burvik, etc.

KRSC 22:20:59.52.2.1.0, 55.24N:164.42E, h49km, 27km, ML3.5

ICD 22:20:59.57.3.1.9, 54.63N:164.37E, h0km, mb3.5/5, mbtmp3.5/6, ML2.7/1, MS3.1/4, Error ellipse: s-maj=68.5km

ISC 22:20:59.51.9.1.1, 55.38N:0.09:164.47E:0.05, h22km, n31, c167/25, mb3.7/5, MS3.3/3, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like BKI Bering, KBT Krutoberegovo, KBG Krutoberegovo, etc.

ILAR Epsilon Array 25.38 49 P 21 05 30.1 +13

INK Inuvik 30.47 40 P 21 06 15.6 +13

H11N2 WAKE ISLAND Hy 35.63 176 T 21 44 37.8

H11N3 WAKE ISLAND Hy 35.65 176 T 21 44 54.8

H11N1 WAKE ISLAND Hy 35.65 176 T 21 44 48.8

YKA Yellowknife Ar 39.73 46 P 21 07 35.1 +13

KURBB Kurchatov Arra 48.80 302 P 21 08 47.6 +13

TXAR Lajitars Array 67.42 71 P 21 10 58.0 +12

KBZ Khabaz 69.58 319 LR 21 45 16.3

RAR Rarotonga 82.14 147 LR 21 41 35.2

IDI Anoyia 83.30 328 LR 21 57 34.8

BYKL 22:21:04:47.4.0.4, 51.24N:99.62E

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like ZAK 330nm,0.5s, IVK Ivanovka, IVK Ivanovka, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like KZLR Kyzyl, KZLR Kyzyl, LSTR Listvyanka, etc.

FFNB Fofonovo 4.59 77 ePg Pb 21 06 05.9 +1.4

HRMR Khuramsha 4.67 82 ePg Pb 21 06 09.5 +1.0

MINR Mina 4.89 321 Pg Pg 21 06 19.6 -0.6

UUBD Ulan-Yde 5.13 79 eSg Sn 21 06 59.1 -3.5

CERR Cherenushki 5.27 291 Pg Pb 21 06 22.0 +3.4

DJO Djoy, Khakassi 5.36 290 Pg Pb 21 06 23.0 +2.7

OGRR Ongureny 5.51 61 ePg Pg 21 06 25.1 +2.3

OGRR Ongureny 5.51 61 ePg Pg 21 06 25.1 +2.3

OGRR Ongureny 5.51 61 ePg Pg 21 06 25.1 +2.3

OGRR Ongureny 5.51 61 ePg Pg 21 06 25.1 +2.3

OGRR Ongureny 5.51 61 ePg Pg 21 06 25.1 +2.3

OGRR Ongureny 5.51 61 ePg Pg 21 06 25.1 +2.3

OGRR Ongureny 5.51 61 ePg Pg 21 06 25.1 +2.3

OGRR Ongureny 5.51 61 ePg Pg 21 06 25.1 +2.3

OGRR Ongureny 5.51 61 ePg Pg 21 06 25.1 +2.3

OGRR Ongureny 5.51 61 ePg Pg 21 06 25.1 +2.3

OGRR Ongureny 5.51 61 ePg Pg 21 06 25.1 +2.3

OGRR Ongureny 5.51 61 ePg Pg 21 06 25.1 +2.3

OGRR Ongureny 5.51 61 ePg Pg 21 06 25.1 +2.3

OGRR Ongureny 5.51 61 ePg Pg 21 06 25.1 +2.3

AUST 22:15:14.7.0.7, 20°S:177°14'9"E, h10km, mb3.8/1, ML2.5/5, Error ellipse: s-maj=16.1km s-min=7.4km

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like BW1H Bowen Hard, BW1H Bowen Hard, etc.

NOU 22:1:36:00.8.42:79S:172:91E, h37km, MLV4.1/18, South Island, New Zealand

WEL 22:1:36:00.6.0.3, 43°S:173°E, h31km, 3km, M3.9/13, ML4.0/13, MLV3.9/13, Error ellipse: s-maj=4.9km

ISC 22:1:36:00.1.0.8, 42:71S:02:172:76E:0:02, h15km, n130, c1568/145, South Island

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like CULC Culverden Airl, CULC Culverden Airl, HSES Hammer Springs, etc.

Table with columns: Code, Station Name, Az, Phase, Time, Res. Includes stations like RACZ Rakaia, AKCZ Akaroa Harbour, DSZ Denniston, etc.

BUI 221:46:29.3, 0.81S:99.10E, h63km, mb4.7/46, mB5.0/16, M4.5/4, M5.7/4.4
DJA 221:46:32.8, 0.2S:2.99E, h26km, km, M4.7/18, mB5.0/5, mB5.1/6, MLV4.7/18, Mw(m)B4.5/6
NEIC 221:46:35.2, 1.9, 0.34S:0.08:99:23E:0.06, h67km, 7km, mb4.9/73, Error ellipse: s-maj=12.1km s-min=8.4km az=211.0
IDC 221:46:36.5, 2.1, 0.27S:99.39E, h83km, 16km, mb4.1/26, mbmp4.5/28, MS3.3/17, Error ellipse: s-maj=18.6km s-min=9.6km az=45.0
ISC 221:46:34.3, 0.5, 0.40S:0.05:99:17E:0.04, h67km, 3km, h68km: p-P, n197, r136/218, mb4.7/82, 2C-1D, Southern Sumatera

Table with columns: Code, Station Name, Az, Phase, Time, Res. Includes stations like SISI Saibi, PBSI Pulau Batu, PPSI Padang Panjang, etc.

Table with columns: Code, Station Name, Az, Phase, Time, Res. Includes stations like KULM Kulim, LHMI Lhok Sumawe, BSI Banda Aceh, etc.

Table with columns: Code, Station Name, Az, Phase, Time, Res. Includes stations like BTO comp=Z,160nm,4.8s, BTO comp=Z,230nm,5.4s, HHC Hu-ho-hao, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like ABKAR, ARTI, KIBZ, KIV, EIL, MMAI, NRK, MAW, BRTR, PETK, ELL, BORA, TAXI, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like JMA, JGN, JNG, JNG, MAT.

KRSC 22:27:34.6: 1.7, 54.73N; 164.49E, h63km, 32km, M13.8
IDC 22:27:36.5: 1.9, 55.14N; 164.03E, h0km, mb3.3/7,
mbmp3,3/8, ML2,2/1, MS3,0/1, Error ellipse: s-maj=58.5km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like BKI, KIBTR, KIBG, KIBG, BZP, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like OSSR, ILAR, H1N2, H1N3, H1N1, SONM, YKA, KURBB, MKAR, ARCES, NOA, TXAR.

IDC 22:27:15:30.3: 1.8, 55.22N; 163.89E, h0km, mb3.1/5,
mbmp3,1/6, ML1,6/1, Error ellipse: s-maj=62.2km
s-min=20.6km az=162.0

KRSC 22:27:15:42.8: 2.2, 56.89N; 163.25E, h43km, 15km, M14.1
IDC 22:27:15:36.1: 2.5, 56.00N; 164.16E; 0.07, h9km, 18km,
n3, c244/36, mb3.3/5, Komandorski Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like KIBTR, KIBG, KIBG, KLY, BZP, etc.

IDC 22:27:49:15.3: 1.4, 55.61S; 28.29W, h0km, mb3.7/2,
mbmp3.7/3, ML4.0/1, Error ellipse: s-maj=78.0km
s-min=29.4km az=89.0, South Sandwich Islands region

IDC 22:27:06:17.2: 1.1, 6.94S; 129.65E, h0km, mb4.0/6,
mbmp4.2/10, ML4.5/4, Error ellipse: s-maj=40.6km
s-min=20.9km az=81.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like SNA, GSPA, TORD, ILAR, SONM, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like FITZ, PLAI, WBO, WRA, WRA, COEN, MBWA, QIS, PSAA, PSAA, PSAA, AS31, ASAR, ASAR, WRKA, MTSU, FORT, MORW, CMAR, PZH, PZH, KRSR, SHL, HHC, HHC, GTA, MKAR, YAK, AAK, ARSB, ZALV, ZALV, SIMJ, KURBB, KURK, BVAR, ABKAR, BMAR, BCAR, LPAZ, etc.

HEL 22:23:07:41.5: 0.5, 67.17N; 20.56E, h0km, ML1.0,
Explosion, Sweden

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like ERTU, LANU, KLF, KLF, HEF, HEF, HEF, KALU, TOF, TOF, TOF, KTK1, KTK1, RNF, RNF, RNF, OBF4, OBF4.

UPP 22:23:08:28.9: 0.1, 67.19N; 20.64E, h0km, ML1.6, Unknown,
Sweden

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like DUNU, DUNU, KUA, ERTU, PAJU, HARU, LILU, LILU.

NEIC 22:23:20:25.0: 0.8, 36.88N; 0.01; 97.92W; 0.02, h7km, 5km,
mb_Lg2.2/7, ML2.7/43, ML3.1/19, Error ellipse:
s-maj=2.8km s-min=1.2km az=117.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like GC02, KAN14, KAN14, KAN17, KAN17.

1497

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details like KAN05 Bluff City Nor, CROK Carrier, etc.

NEIC 22 23:21:54.9-1.0, 27.8N:0.1:85.6E:0.1, h10km, mb3.1/1km, mb4.1/30, Error ellipse: s-maj=20.6km s-min=13.1km az=218.0

IDC 22 23:21:54.2-0.8, 27.89N:85.40E, h0km, mb3.9/19, mbmp3.9/22, ML4.1/3, MS2.8/1, Error ellipse: s-maj=25.4km s-min=15.5km az=52.0

DMN 22 23:21:55.0-0.1, 27.86N:85.77E, h10km, M14.8/4, Error ellipse: s-maj=2.4km s-min=1.1km az=178.0

NDI 22 23:21:56.7-3.8, 27.72N:85.69E, h10km, ML3.8, MW3.4, mb4.1(NEIC)

ISC 22 23:21:54.0-0.9, 27.79N:104.8569E:0.02, h15km, 5km, n104, c2813/139, mb4.1/35, Nepal

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and station details like GUN Gumba, PKI Pulchoki, etc.

2018 DEC

Main table with columns: Station Name, Az, Az', Phase ID, Time, Res, and various station details like JHNI, DDI Dehra Dun, ZIRO ZIRO, etc.

22d 23h

Table with columns: Station Name, Az, Az', Phase ID, Time, Res, and various station details like MNK baz=319, MNK baz=319, etc.

Table of astronomical observations for 23d Oh, listing station names, coordinates, and observation details.

Table of astronomical observations for AFAD 23 00:08:56.5, 0.0, 36:00N, 30.01E, h18km, 1km, ML2.8, listing station names, coordinates, and observation details.

Table of astronomical observations for MMA0 Mount Meron ar, listing station names, coordinates, and observation details.

DJA 22:23:59.9, 4.0, 8'S; 4:11'6"E, h10km, M4.1/6, Mlv4.1/6

NEIC 22:59:49.2, 1.5, 8:47S; 0:06:116.13E:0.06, h10km, 2km, mb3.8/4, Error ellipse: s-maj=14.4km s-min=3.9km

az=133.0

az=133.0

az=133.0

az=133.0

az=133.0

az=133.0

az=133.0

az=133.0

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az=133.0

az=133.0

az=133.0

az=133.0

az=133.0

az=133.0

ISC 22:59:48.5, 0.7, 8:43S; 0:07:116.12E:0.03, h10km, n35, s=163/38, mb3.7/4, Sumbawa region

az=133.0

az=133.0

az=133.0

az=133.0

az=133.0

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az=133.0

az=133.0

USS 23 00:09:17.8, 1.6, 36:95N, 0:02:113.52W:0.02, h9km, 8km, ML2.9/1, ML2.8/20(REN), ML2.8/76(NEIC), Error ellipse: s-maj=2.5km s-min=1.9km az=214.0

REN 23 00:09:18.2, 2.3, 37:00N, 0:02:113.51W:0.02, h5km, 3km, Error ellipse: s-maj=2.7km s-min=1.7km az=185.0

NEIC 23 00:09:17.4, 1.6, 36:96N, 0:02:113.50W:0.009, h10km, 7km, Error ellipse: s-maj=3.1km s-min=0.8km

az=194.0, Western Arizona

Table of astronomical observations for USS 23 00:09:17.8, 1.6, 36:95N, 0:02:113.52W:0.02, listing station names, coordinates, and observation details.

ISK 23 00:08:54.9, 35:92N; 29:98E, h4km, ML2.9/15

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WUAZ Wupatki, AMDNV Amargosa, SDH Striped Hills, etc.

IDC 23 00:17.11.7.1.2.54:97Nk:164:90E, h0km, mb3.4/7, mbtmp3.4/8, ML2.7/1, Error ellipse: s-maj=40.0km s-min=21.4km az=168.0

KRSC 23 00:17.12.9.1.6.54:30Nk:164:84E, h60km, 22km, M14.0, ISC 23 00:17.15.4.1.5.54:30Nk:0.05:164:87E, 0.07, h27km, 14km, n34, r167/167, mb3.4/7, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BKI Bering, BKTR Krutoberegovo, LGNR Loginova, etc.

IDC 23 00:24:51.3.2.0.54:87Nk:165:00E, h0km, mb3.3/6, mbtmp3.4/7, ML3.2/1, Error ellipse: s-maj=67.2km s-min=23.3km az=171.0

KRSC 23 00:24:53.0.2.2.54:73Nk:164:88E, h52km, 23km, M14.3, MOS 23 00:24:54.0.2.0.54:72Nk:165:11E, h38km, mb3.8/1, Error ellipse: s-maj=7.6km s-min=6.9km az=158.1

IDC 23 00:24:56.1.3.54:71Nk:0.04:165:11E, 0.07, h30km, 12km, n80, r158/115, mb3.6/6, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BKI Bering, BKTR Krutoberegovo, LGNR Loginova, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LGNR Loginova, BZP Bezymyanni-Pe, BZMR Bezymyannaya, etc.

NEIC 23 00:28:44.5.1.4.17:96S:010:178:33W:0.08, h501km, 7km, mb4.3/58, Error ellipse: s-maj=15.8km s-min=9.1km az=209.0

IDC 23 00:28:46.0.1.0.17:99S:178:47W, h522km, 9km, mb3.7/19, mbtmp4.5/20, Error ellipse: s-maj=14.4km s-min=10.2km az=147.0

IDC 23 00:28:43.0.4.0.18:03S:007:178:34W:0.06, h500km, n130, r150/113, mb3.4/248, 1D, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MSVF Nonavsu, FUFU Fugatoga, AFI Afiamalou, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WBO Warramunga Arr, WRA Warramunga Arr, AS31 Alice Springs, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, Op, ISC, h, m, s, ISC. Lists various stations and their coordinates and operational details.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, Op, ISC, h, m, s, ISC. Lists various stations and their coordinates and operational details.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, Op, ISC, h, m, s, ISC. Lists various stations and their coordinates and operational details.

IDC 23 02:05:14.8;1.9,5.01S;151.99E,h0km,mb3.5/5, mbmp3.5/6,ML1.4/1,MS3.1/2,Error ellipse:s-maj=76.2km s-min=21.6km az=122.0

ISC 23 02:05:23.6;1.9,5.250.3;151.9E;0.4,h70km,n9,e1930/8, mb3.3/5,New Britain region

Table with columns: Code, Station Name, Az, Phase, ID, Op, Time, Res, ISC, h, m, s. Includes stations like PMG Port Moresby, DZM Mont Dzumac, WRA Warramunga Arr, ASAR Alsea Springs, etc.

KRNET 23 02:06:08.7;0.1,4.0011N;72.14E,h18km,mb2.6,36C-8D, Kyrgyzstan

Table with columns: Code, Station Name, Az, Phase, ID, Op, Time, Res, ISC, h, m, s. Includes stations like DRK Karamyk, OHH Osh, BTX Batken, SARK Sufi-Kurgan, etc.

ISU 23 02:06:40.2,39.98N;72.10E,h13km,Kyrgyzstan

Table with columns: Code, Station Name, Az, Phase, ID, Op, Time, Res, ISC, h, m, s. Includes stations like FRG Fergana, CHMI Chimion, ANR Andizhan, etc.

IDC 23 02:10:50.7;2.5,9.99S;119.24E,h0km,mb3.7/4, mbmp3.5/6,ML3.3/2,MS2.7/1,Error ellipse:s-maj=168.1km s-min=25.4km az=51.0

ISC 23 02:10:52.5;2.5,9.950.6;119.5E;0.8,h10km,n7,c066/6, mb3.7/4,Sumba region

Table with columns: Code, Station Name, Az, Phase, ID, Op, Time, Res, ISC, h, m, s. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alsea Springs, etc.

IDC 23 02:29:27.9;1.0,52.77N;132.60W,h0km,mb3.8/9, mbmp3.8/13,ML3.3/4,MS3.1/4,Error ellipse:s-maj=13.9km s-min=3.9km az=40.0

NEIC 23 02:29:31.6;2.5,52.98N;0.03;132.60W;0.09,h10km,1km, mb3.8/16,MwR4.2(O/TT),Error ellipse:s-maj=10.2km s-min=3.0km az=291.0

NEIC 23 02:29:31.5;53.01N;132.51W,h7km,Moment Tensor Solution. Moment tensor: Scale 10^19Nm; Mr=0.23; Mw=1.93; Mo=0.47; Mo0.09; Mo=0.84; Fault plane solution: M2.30000e1015 NP1.0s11.00000e, s53.00000e, 111.00000e. NP2.2.279.00000e, s42.00000e, 1.65.00000e. Principal axes: T 2.4109, P1272.00000e, Azm97.00000e, N -0.1735, P17.00000e, Azp298.00000e; P 2.2375, P16.00000e, Azp207.00000e

PGC 23 02:29:31.5;53.01N;132.51W,h21km,ML4.0/17, Mw4.2,53km Wsw of Sandspit, Ce Haيدا Gwaii Region

ISC 23 02:29:30.6;1.1,52.94N;0.03;132.48W;0.04,h11km,7km, n99,e164/114,mb4.0/10,Queen Charlotte Islands region

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

Table with columns: DIB Dawson Inlet, H02S1, MOBC Moresby Island, BAIB Barry Inlet, PCLB Port Clements, NDB Naden, MASH Masset, BNAS Bonilla, GRNB Grenville Isla, GRNB Grenville Isla, GRNB Gribbell Islan, GRIB Gribbell Islan, BUTB Butedale, BUTB Ketchikan, V35K Ketchikan, V35K Ketchikan, MBLB Minette Bay Lo, CRAG Cratig, KITB Kitmag, BBB Bella Bella, BBB Bella Bella, BBB 61nm,0.3s,baz=280,slow=16,SNR=76, BBB 22nm,0.3s,baz=344,slow=20,SNR=17, BBB 61nm,0.3s,baz=15,slow=19,SNR=8.4, BBB Bella Bella, U33K Whale Pass, U33K Whale Pass, WRAK Wrangell Island, WRAK Wrangell Island, HOLB Holberg, HOLB Holberg, PHC Port Hardy, PHC Port Hardy, PACB Port Alice, BC, PACB Port Alice, BC, MAYB Maynard, MAYB Maynard, SITM Sitka, SITM Sitka, WOSB Woss, WOSB Woss, S32K Killisnoo, S32K Killisnoo, S34M Telegraph Cree, S34M Telegraph Cree, UBRB Upper Baezaeko, UBRB Upper Baezaeko, FSJB Fort St James, FSJB Fort St James, CBB Campbell River, CBB Campbell River, S13K Pelican, S13K Pelican, DLBC Dease Lake, DLBC Dease Lake, DLBC 1.2nm,0.3s,baz=195,slow=12,SNR=5.8, DLBC 1.9nm,0.3s,baz=189,slow=11,SNR=6.5, DLBC Dease Lake, DLBC Dease Lake, DLBC Nakina River, DLBC Nakina River, R33M Jennings River, R33M Jennings River, P33M Atlin, P33M Atlin, SKAG Skagway, SKAG Skagway, PLBC Pleasant Camp, PLBC Pleasant Camp, NBNS NorthernBC 5, NBNS NorthernBC 5, P33M Teslin, Yukon, P33M Teslin, Yukon, P33M Granite Creek, P33M Granite Creek, WHY Whitehorse, WHY Whitehorse, N32M Quiet Lake, N32M Quiet Lake, PCA Pinnacle, PCA Pinnacle, LGN Logan Glacier, LGN Logan Glacier, GRNC Granite Creek, GRNC Granite Creek, CTGN Chitina Glacier, CTGN Chitina Glacier, NEW Newport, NEW Newport, NEW Yellowknife Ar, NEW Yellowknife Ar, YKA Yellowknife Ar, YKA Yellowknife Ar, YKA Yellowknife Ar, YKA Yellowknife Ar, ILAR Eielson Array, ILAR Eielson Array, ILAR Lyon Mountain, ILAR Lyon Mountain, INK Inuvik, INK Inuvik, INK bazz=225,slow=1.4,SNR=4.1, G24K Hadweencriv Riv, G24K Hadweencriv Riv, G23K Bananza Creek, G23K Bananza Creek, F24K Squaw Lake, F24K Squaw Lake, IMAR Indian Mountai, IMAR Indian Mountai, D27M Malcolm River, D27M Malcolm River, D27M Malcolm River, G21K Allakaket, G21K Allakaket, E23K Chandalar, E23K Chandalar, PDAR Pinedale Array, PDAR Pinedale Array, E19K Redstone River, E19K Redstone River, B20K Meade River, B20K Meade River, B20K Black Hills, B20K Black Hills, RSDSS Redstone, RSDSS Redstone, ULM Lac du Bonnet, ULM Lac du Bonnet, RES Resolute Bay, RES Resolute Bay, WNOK Wichita Mounta, WNOK Wichita Mounta, TXAR Lajitas Mounta, TXAR Lajitas Mounta, PETK Petropavlovsk-, PETK Petropavlovsk-, H11N2 WAKE ISLAND Hy, H11N2 WAKE ISLAND Hy, H11N3 WAKE ISLAND Hy

Table with columns: H11N1 WAKE ISLAND Hy, HEH Heihe, H11S1 WAKE ISLAND Hy, H11S2 WAKE ISLAND Hy, H11S3 WAKE ISLAND Hy, NOA NORSAR Array B, ZALV Zalesovo Beam, BVAR Borovoye Array, KURBB Kurchatov Arr, VRAC Vranov, MKAR Makanchi Array, ESCD Sonseca Array, JMA 23 02:34:18.4;0.2,25N;122.5E;0.5,h117km,2km, MV2.2/15,NW OFF ISHIGAKIJIMA IS, TAP 23 02:34:18.3;2.74N;122.54E,h116km,ML3.3,D, ISC 23 02:34:19.0;0.1,5.2472N;0.04;122.53E;0.03,h113km,8km, n86,c082/154,2C,Taiwan region

JMA 23 02:34:18.4;0.2,25N;122.5E;0.5,h117km,2km, MV2.2/15,NW OFF ISHIGAKIJIMA IS, TAP 23 02:34:18.3;2.74N;122.54E,h116km,ML3.3,D, ISC 23 02:34:19.0;0.1,5.2472N;0.04;122.53E;0.03,h113km,8km, n86,c082/154,2C,Taiwan region

Table with columns: Code, Station Name, Az, Phase, ID, Op, Time, Res, ISC, h, m, s. Includes stations like E0S2 E0S2, JYNG Yonagunijimaku, E0S3 E0S3, YONAGUNI Yonaguni jima, YONAGUNI Yonaguni jima, SANTIAO Chiao, TWB1 Santiao Chiao, E0S4 E0S4, TWC Suao, TWC Suao, ESAC Suao, ESAC Suao, TIBB Shuangxi, TIBB Shuangxi, SX11 Grass Mountain, SX11 Grass Mountain, EWUT Wuta, EWUT Wuta, NDS Dongshan, NDS Dongshan, WFSB Wu-fen Shan, WFSB Wu-fen Shan, ENA Nanau, ENA Nanau, TWE Neicheng, TWE Neicheng, EAHA Aohua, EAHA Aohua, FUSB Fushanzhiwuyua, FUSB Fushanzhiwuyua, NI09 Nioudou, NI09 Nioudou, LATG Datong, LATG Datong, NWTL Wuai, NWTL Wuai, YM01 YM01, YM01 YM01, ETL Fush Village, ETL Fush Village, ZUZH Zhuzhiu, ZUZH Zhuzhiu, NACB Ninganchiao, NACB Ninganchiao, TWY Chenghua, TWY Chenghua, YHNB Yeheng, YHNB Yeheng, TWD Chiawan, TWD Chiawan, NSK Sanguang, NSK Sanguang, NDS Sanguang, NDS Sanguang, NTLH Xiuilin Townshi, NTLH Xiuilin Townshi, NNSB Datong, NNSB Datong, NNS Nan Shan, NNS Nan Shan, HWA Hwalien, HWA Hwalien, IRIF Iriomote-Funagu, IRIF Iriomote-Funagu, TEYL Yanliu Village, TEYL Yanliu Village, ETM Tongmen, ETM Tongmen, LXIB Xiulin Townshi, LXIB Xiulin Townshi, KSHI Guanxi Townshi, KSHI Guanxi Townshi, FUSH Fushou, FUSH Fushou, SHUL Shoufeng, SHUL Shoufeng, WHF Hehuan Shan, WHF Hehuan Shan, NFF Wufeng Townshi, NFF Wufeng Townshi, TWT Tachien, TWT Tachien, HATJ Hateruma jima, HATJ Hateruma jima, TDCB Techi, TDCB Techi, ESL Shilin, ESL Shilin, LIQB Emei, LIQB Emei, LIQB Emei, NSBT Nanjiang, NSBT Nanjiang, SBCT Hsinchu, SBCT Hsinchu, HSNH Hsinchu, HSNH Hsinchu, JKRS Kuro-shima, JKRS Kuro-shima, WARB Fenling Townsh, WARB Fenling Townsh, OWD Renai, OWD Renai, WUSB Renai, WUSB Renai, JIJ Ishigaki jima, JIJ Ishigaki jima, WHP Taichung City, WHP Taichung City, HGPS Ruisui, HGPS Ruisui, HGPS Ruisui, WVDW WVDW, WVDW WVDW, NMLH Miaoli, NMLH Miaoli, WCS Beigang Elemen, WCS Beigang Elemen, JISG Ishigakijima, JISG Ishigakijima, EHY Hungye, EHY Hungye, TWT Lyutan, TWT Lyutan, SMLT Sun Moon Lake, SMLT Sun Moon Lake, SMLT Sun Moon Lake, SSSL Suanglung, SSSL Suanglung, TYC Yuchr, TYC Yuchr, YULB Yu-li, YULB Yu-li

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s, ISC. Includes stations like YULB, EYUL, YULI, etc.

ICD 23 02:34:46.3, 1.3, 37.66N, 20.64E, h0km, mb3.4/9, mbmp3.4/10, ML3.3/1, Error ellipse: s-maj=29.7km s-min=22.2km az=154.0

Main table for station 1503, listing codes, station names, and various parameters like Az, Az', Phase ID, Time Res, ISC, h m s, ISC.

Table for station 2018 DEC, listing codes, station names, and various parameters like Az, Az', Phase ID, Time Res, ISC, h m s, ISC.

IDC 23 02:41:00.7, 1.9, 42.38N, 142.50E, h0km, mb3.6/6, mbmp3.6/6, Error ellipse: s-maj=69.1km s-min=32.6km az=7.0

Main table for station 2018 DEC, listing codes, station names, and various parameters like Az, Az', Phase ID, Time Res, ISC, h m s, ISC.

SOME 23 02:41:55.8, 43.15N, 78.28E, h10km, mb2.9, mpv2.3, Error ellipse: s-maj=3.5km s-min=1.0km az=171.0

Main table for station 2018 DEC, listing codes, station names, and various parameters like Az, Az', Phase ID, Time Res, ISC, h m s, ISC.

Table for station 23d 2h, listing codes, station names, and various parameters like Az, Az', Phase ID, Time Res, ISC, h m s, ISC.

ISN 23 02:48:29.0, 0.8, 34.42N, 45.51E, h19km, 9km, ML3.4, TEH 23 02:48:29.0, 34.40N, 45.51E, h10km, 30km, ML3.2

Main table for station 23d 2h, listing codes, station names, and various parameters like Az, Az', Phase ID, Time Res, ISC, h m s, ISC.

IDC 23 02:49:14.7, 2.1, 19.08S, 169.27E, h255km, 25km, mb3.5/8, mbmp4.1/10, Error ellipse: s-maj=50.1km s-min=14.0km az=157.0

Main table for station 23d 2h, listing codes, station names, and various parameters like Az, Az', Phase ID, Time Res, ISC, h m s, ISC.

23d 2h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MBWA Marble Bar, PETK Petropavlovsk, N15K Kwethluk River, etc.

IDC 23 02:53:25.1s, 1.34, 69Sx179.21W, h0km, mb3.6/2, mbtmp3.7/3, ML3.9/1, Error ellipse: s-maj=75.9km

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists numerous stations including MUX Matakaoa Point, HAZ Te Kaha, URZ Urewera, etc.

AEIC 23 02:53:30.3s, 1.9, 61.36N, 0.02x150.10W, 0.03, h20km, 5km, Error ellipse: s-maj=2.8km s-min=1.5km az=145.0

2018 DEC

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FIS Fire Island, SUSA Susitna One, M22K Willow, etc.

JMA 23 02:54:42.6s, 0.1, 24.4N, 0.3, 121.6E, 0.7, h43km, 1km, MV3.5/1.4, TAIWAN REGION

1504

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ENA Nanau, EWUT Wuta, EAHA Aohua, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like WCHH Zhanghua, WCHH1 Changhua City, WCHH1 Changbin, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like KURK 1.9nm,0.7s, KURB Kurchatov Arra, KURBB Kurchatov Arra, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like MTRV Gorelyy, GRL Apache, APC Eielson Array, etc.

IDC 23 02:56:27.3-3.7, 18:47Sx178:07W, h598km, 25km, mb2.9/3, mbtmp3.9/4, Error ellipse: s-maj=150.7km s-min=28.8km az=155.0

IDC 23 03:02:06.8-4.0, 7:42S; 127:89E, h138km, 35km, mb3.6/6, mbtmp4.1/10, Error ellipse: s-maj=37.7km s-min=16.1km az=62.0

BUI 23 03:12:46.0, 55:10N; 164:60E, h10km, mb4.9/60, mb5.0/22, M4.4/33, M57.4/133

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like MSVF Nonsavu, SANVU Fugatoga, SAROUTOU Saraoutou, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like AKTO Aktuyubinsk, TORD Tori, CPUV Villa Florida, etc.

IDC 23 03:12:47.0, 55:25N; 164:61E, h0km, mb4.6/33, mbtmp4.6/38, ML5.0/5, MS3.7/15, Error ellipse: s-maj=12.8km s-min=9.4km az=171.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like COEN Coen, BBOO Buckleboo, WBO Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like KURBB Kurchatov Arra, GSPA South Pole Qui, AKTO Aktuyubinsk, etc.

NEIC 23 03:12:48.5-2.1, 54:93N; 0.09-164:7E:0.1, h10km, 1km, mb5.0/212, Error ellipse: s-maj=15.7km s-min=10.0km az=175.0

IDC 23 02:57:22.7-3.1, 53:71N; 89:89E, h0km, mbmp3.1/3, ML2.6/3, Error ellipse: s-maj=25.8km s-min=20.9km az=61.0

IDC 23 03:11:49.2-1.1, 54:87N; 164:74E, h0km, mb3.4/8, mbtmp3.3/9, ML2.4/1, MS3.4/1, Error ellipse: s-maj=40.4km s-min=20.2km az=162.0

ISC 23 03:12:49.2-1.7, 54:95N; 164:53E, h60km, 22km, Mc5.0, M15.3, Felt [II-III] at Nikolskoe

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like BUI 23 03:12:49.2-1.7, 54:95N; 164:53E, h60km, 22km, Mc5.0, etc.

Table with columns: Station ID, Name, Comp, Az, El, S, W, P, M, L, R, T, etc. Includes stations like PETK, MTRV, GRL, APC, PALN, KDR, etc.

Table with columns: Station ID, Name, Comp, Az, El, S, W, P, M, L, R, T, etc. Includes stations like C17K, H17K, N16K, J17K, L17K, etc.

Table with columns: Station ID, Name, Comp, Az, El, S, W, P, M, L, R, T, etc. Includes stations like F21K, F21K, C21K, H21K, O20K, etc.

23d 3h

Table with columns: Station Name, Frequency, Mode, and other parameters. Includes stations like ULM, TKM2, SLVN, USP, etc.

2018 DEC

Table with columns: Station Name, Frequency, Mode, and other parameters. Includes stations like VHRN, POST, WMOK, SN07, etc.

1508

Table with columns: Station Name, Frequency, Mode, and other parameters. Includes stations like GZR, SGRR, LESA, RETA, etc.

IDC 23 03:37:20.5:11.0, 17:17S:177.74W, h560km, 23km, mb3.6/4, mbtmp/4.5/6, Error ellipse: s-maj=197.2km s-min=90.3km az=79.0

mb4.0/23. Error ellipse: s-maj=31.9km s-min=12.7km

az=114.0
ISC 23 03:37:24.6:1.2,17.4AS:0.1:178.3W:0.2,h550km,n31,
c078/31,mb4.0/15, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Rows include stations like FUTU, MSVF, DZM, ARMA, CTCTA, etc.

THE 23 03:48:15.7,37.43N:20.31E,h10km,1km,ML3.6/5,Error ellipse: s-maj=1.3km s-min=0.4km az=38.0
ATH 23 03:48:16.3,37.43N:20.35E,h13km,3km,ML3.5/12
Manual Solution by A.Moschou First location: 2018/12/23 03:48:53. This location: 2019/04/02 07:29:34 ML
Amplitudes are expressed in micrometers. All distances are expressed in degrees Latitude uncertainty: 4 km; Longitude uncertainty: 4 km
IDC 23 03:48:20.0:1.7,37.749N:20.10E,h48km,22km,mb3.3/7, mbtmp3.4/12,ML3.0/2, Error ellipse: s-maj=21.9km s-min=14.5km az=175.0
NAO 23 03:48:22.7,37.511N:20.57E,h10km,mb3.4
ISC 23 03:48:15.5:1.4,37.411N:20.04:20.28E:0.04,h8km,9km,
n50,c182/772,mb3.5/7,Ionian Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Rows include stations like LTHK, ORTH, KYPS, PSDA, etc.

Table with columns: BRTR, LESA, GERES, AKASA, HFS, EKA, FINES, NB2, NOA, TORO, MKAR, ZALV. Rows include stations like Keskin Array B, Schwarzeleot, GERESS Array B, etc.

RSNC 23 04:16:58.1:0.3,5'S:3'x7'6Wz,h0km,M3.7,mb4.1,mb5.0,ML3.2,MW(mb)4.3
IDC 23 04:17:04.2:5.1,5'02S:75'24W,h53km,5km,mb3.4/4, mbtmp3.6/6,ML3.7/3, Error ellipse: s-maj=38.1km s-min=20.6km az=23.0
IGQ 23 04:17:05.5:0.9,4'S:5'x7'6Wz,h5km,M4.8/1
ISC 23 04:17:00.7:0.7,4.68S:0.05:75.51W:0.05,h35km,n75,c215/83,mb3.6/5,Northern Peru

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Rows include stations like ZUMB, ZUMB, ATAH, PUYO, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Rows include stations like OTAV, PPLP, GCUF, etc.

IDC 23 04:45:42.3:1.3,54'65N:163'97E,h0km,mb3.2/5, mbtmp3.2/6,ML1.8/1,MS2.5/1, Error ellipse: s-maj=44.1km s-min=22.7km az=153.0
KRSC 23 04:45:43.0:1.0,54'53N:164'26E,h49km,32km,ML3.6
ISC 23 04:45:45.5:0.8,54.74N:160.08:164.09E:0.04,h25km,n27,c152/28,mb3.5/5, Komandorsky Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Rows include stations like BKI, KBTR, BZP, etc.

SJA 23 04:59:33.0,40'48S:72'43W,h122km,ML3.0
GUC 23 04:59:35.0:4.0,70'50S:72'43W,h105km,2km,ML3.3
ISC 23 04:59:34.9:1.5,40'48S:0'03:72'36W:0.06,h11km,9km,n24,c1905/35,1C-7D,Central Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Rows include stations like LR05, LR05, LR05, etc.

NEIC 23 05:08:36.8:0.7,17'43N:0'04:68'40W:0.02,h27km,12km,ML2.1/16,MD2.8/6(RSPR), Error ellipse: s-maj=5.4km s-min=2.8km az=198.0
RSPR 23 05:08:38.2:17'36N:68'44W,h16km,5km,MD2.8/6
SDD 23 05:08:39.1:3.4,17'81N:67'19W,h88km,90km,MD2.8,ML2.0,MW2.5
ISC 23 05:08:32.4:2.8,17.3N:0.1:68.42W:0.07,h20km,6km,n24,c1910/32,6C-2D,Mona Passage

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Rows include stations like PCDR, PCDR, PCDR, etc.

23d 5h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AOPR, AOPR, CERP, CELP.

UPR 23 05:13:12.6:0.8, 8.56N-83.18W, h20km, 2km, MW3.2
ISC 23 05:13:13.1:1.0, 8.56N-83.11W, h13km, 3km, MWV.2

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EDAD, EDAD, JIME, JIME.

IDC 23 05:18:23.3:13.0, 37.10N, 72.19E, h179km, 134km,
mb3.1/3, mbtmp3.5/5, Error ellipse: s-maj=130.4km

NNC 23 05:18:24.6:7.7, 37.84N, 71.86E, h0km, mb3.8, mpv3.5,
Error ellipse: s-maj=60.1km s-min=41.1km az=177.0

ISC 23 05:18:22.2:1.6, 37.48N, 71.9E, h1.1, h130km, n9,
e173/13, mb3.4/3, 2C-3D, Afganistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KK31, KK31, TKM2, TKM2.

SCB 23 05:27:18.7:1.1, 18.89S-67.56W, h28km, 6km, ML3.4/3,
MW3.6, Error ellipse: s-maj=2.2km s-min=1.8km az=2.0

ISC 23 05:27:19.8:0.8, 18.89S-67.57W, h10km, n21,
e1562/24, Central Bolivia

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

IDC 23 05:37:12.9:0.7, 54.78N-164.36E, h0km, mb3.8/15,
mbtmp3.7/16, ML2.7/11, MS2.2/1, Error ellipse: s-maj=23.3km s-min=14.6km az=156.0

KRSC 23 05:37:14.2:1.2, 54.78N-164.36E, h47km, 24km, ML3.9
NEIC 23 05:37:14.6:1.2, 54.78N-164.36E, h0.04, h10km, 2km,
mb4.2/45, Error ellipse: s-maj=18.2km s-min=3.9km az=181.0

ISC 23 05:37:16.6:0.5, 54.84N-164.38E, h0.04, h27km, n99,
e136/100, mb4.0/37, Komandorsky Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BK1, BK1, KBTR, KBTR.

2018 DEC

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SPN, SPN, ESO, ESO.

PETK 2.4nm, 0.3s, baz=172, slow=12, SNR=6.7, LR

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MTRV, MTRV, GRL, GRL.

B22K 2.5nm, 0.8s, Teshekpuk Lake 24.14 34 P P 05 42 30.0 +0.2

I23K 2.4nm, 1.0s, Minto, Yukon-K 24.73 47 P P 05 42 36.0 +0.8

E23K 2.4nm, 0.7s, Chandalar 24.92 40 I Amb I Amb 05 42 37.9 +0.9

RND 2.4nm, 0.9s, Reindeer 24.94 51 P P 05 42 36.8 -0.5

TOLK 2.3nm, 0.9s, Toolik Lake Re 25.03 39 P P 05 42 38.7 +0.7

WRH 2.3nm, 0.8s, Wood River Hill 25.26 49 P P 05 42 41.0 +1.0

CCB 2.3nm, 0.8s, Clear Creek Bu 25.38 48 P P 05 42 41.6 +0.4

F24K 2.4nm, 0.6s, Squaw Lake 25.50 41 P P 05 42 42.5 +0.2

G24K 2.2nm, 0.6s, Hadweenciz Riv 25.59 43 P P 05 42 43.9 +0.9

MJAR 2.5nm, 0.8s, Matshuhiro Arr 25.62 235 P P 05 42 41.5 -2.0

SCM 2.5nm, 0.8s, Sheep Creek Mo 25.76 55 P P 05 42 44.8 +0.1

ILAR 2.1nm, 0.6s, Eielson Array 25.78 48 P P 05 42 44.6 -0.1

D25K 2.4nm, 0.8s, Kavik River 26.28 37 P P 05 42 49.8 +0.4

J25K 2.4nm, 0.8s, Salcha River 26.43 48 I Amb I Amb 05 42 49.9 -0.9

E25K 2.2nm, 0.7s, Arctic Village 26.44 40 P P 05 42 51.8 +1.1

F26K 2.2nm, 0.7s, Sheenik River 26.94 41 P P 05 42 55.4 +0.1

D27M 2.1nm, 0.8s, Beaver Creek A 28.16 51 P P 05 43 07.4 +1.2

D27M 2.1nm, 0.8s, Malcolm River 28.19 38 P P 05 43 07.3 +0.8

F28M 2.1nm, 0.8s, Old Crow 28.58 41 I Amb I Amb 05 43 10.8 +1.0

H11N2 2.1nm, 0.6s, WAKE ISLAND Hy 35.10 176 T T 06 22 38.5

H11N1 2.1nm, 0.6s, WAKE ISLAND Hy 35.11 176 T T 06 22 39.5

H11S1 2.1nm, 0.6s, WAKE ISLAND Hy 36.30 176 T T 06 24 09.8

H11S3 2.1nm, 0.6s, WAKE ISLAND Hy 36.32 176 T T 06 24 12.7

H11S2 2.1nm, 0.6s, WAKE ISLAND Hy 36.32 176 T T 06 24 10.0

YKA 2.1nm, 0.7s, Yellowknife Arr 40.15 45 P P 05 44 50.8 +0.9

1510

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

TEH 23 05:38:17.7, 36.78N-49.94E, h8km, 41km, ML3.8, Western Iran

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GIDE, GIDE, KLST, KLST.

IDC 23 05:39:55.4:4.0, 13.34S-166.63E, h41km, 33km, mb3.7/5,
mbtmp3.9/7, ML3.7/2, MS3.0/3, Error ellipse: s-maj=30.4km

NEIC 23 05:39:55.5:0.9, 13.4S:0.1, 166.64E:0.06, h35km, 2km,
mb4.2/11, Error ellipse: s-maj=19.7km s-min=6.0km az=156.0

NOU 23 05:39:59.5, 13.46S-166.33E, h19km, ML4.5/12, Vanuatu

ISC 23 05:39:56.3:0.0, 13.49S:0.06, 166.59E:0.09, h39km, n34,
e1898/32, mb4.0/12, Vanuatu Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SANVU, SANVU, LUES, LUES.

DZM 3.4nm, 0.9s, baz=116, slow=19, SNR=1.4 3.9nm, 1.1s

DZM 3.4nm, 0.9s, baz=116, slow=19, SNR=1.4 3.9nm, 1.1s

STKA 3.4nm, 0.9s, baz=119, slow=20, SNR=6.2 3.9nm, 1.1s

WB0 3.4nm, 0.9s, baz=116, slow=19, SNR=1.4 3.9nm, 1.1s

WB2 3.4nm, 0.9s, baz=116, slow=19, SNR=1.4 3.9nm, 1.1s

WRA 3.4nm, 0.9s, baz=116, slow=19, SNR=1.4 3.9nm, 1.1s

AS31 3.4nm, 0.9s, baz=116, slow=19, SNR=1.4 3.9nm, 1.1s

ASAR 3.4nm, 0.9s, baz=116, slow=19, SNR=1.4 3.9nm, 1.1s

BB00 3.4nm, 0.9s, baz=116, slow=19, SNR=1.4 3.9nm, 1.1s

F00T 3.4nm, 0.9s, baz=116, slow=19, SNR=1.4 3.9nm, 1.1s

MORW 3.4nm, 0.9s, baz=116, slow=19, SNR=1.4 3.9nm, 1.1s

QSPA 3.4nm, 0.9s, baz=116, slow=19, SNR=1.4 3.9nm, 1.1s

M16K 3.4nm, 0.9s, baz=116, slow=19, SNR=1.4 3.9nm, 1.1s

ILAR 3.4nm, 0.9s, baz=116, slow=19, SNR=1.4 3.9nm, 1.1s

NEIC 23 05:41:11.0:0.7, 17.1N:0.2:68.1W:0.1, h17km, 22km,
ML2.3/26, Md3.1/6(RSPR), Error ellipse: s-maj=29.9km

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h m s, ISC. Includes stations like Cabo Rojo, Puerto Rico Se, Punta Cana, Las Mesas, Aguadilla, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h m s, ISC. Includes stations like Mont Dzumac, Ouen Toro, Port Laguerre, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h m s, ISC. Includes stations like USAOB, USSuriysk Ar., SHEMA, etc.

IDC 23 05:48:46.71.9, 1.08N, 126.98E, h0km, mb3.7/4, mtbmp3.7/4, Error ellipse: s-maj=172.5km s-min=21.8km az=67.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h m s, ISC. Includes stations like WARRAMUNGA ARR, ASAR Alice Springs, MKAR Makanchi Array, etc.

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h m s, ISC. Includes stations like USAOB, USSuriysk Ar., SHEMA, etc.

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

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h m s, ISC. Includes stations like USAOB, USSuriysk Ar., SHEMA, etc.

23d 6h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like VYHS, DPC, BZC, etc.

NEIC 23 06:06:33.0.0.7, 40.927N;0.008;111.57W;0.01, h=5.1km, Error ellipse: s-maj=2.7km s-min=1.4km bz=349.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like N16A, FPJ, TCUT, etc.

2018 DEC

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like MPU, Maple Canyon, BGUT, etc.

H1N2 WAKE ISLAND Hy 35.19 176 T 07 06 14.6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like H1N1, H1N3, H1N4, etc.

1512

ML.4/0.1, Error ellipse: s-maj=0.7km s-min=1.1km az=150.1
IDD 23 06:33:07.0.0.7, 45.28N;20.91E, h0km, mb3.9/12,
mbtm3.8/23, ML3.7/11, MS3.2/28, Error ellipse:
s-maj=13.2km s-min=7.0km az=15.0

BGR 23 06:33:07.1.5, 45.21N;21.30E, h10km, ML4.0, Error
ellipse: s-maj=32.2km s-min=24.5km az=16.0

BEO 23 06:33:07.5.0.2, 45.22N;21.05E, h14km, km1, ML4.1/21
NEIC 23 06:33:08.0.2.2, 45.27N;20.94E;0.06, h10km,2km,
mb4.1/8, ML4.4/3(BUC), Error ellipse: s-maj=7.3km
s-min=5.6km az=293.0

MCSM 23 06:33:08.0.5.45, h=3.2*2*1E, h10km, ML4.3
ISC 23 06:33:06.8.1.0, 45.20N;20.92E;0.02, h8km,2km,
n422, -1929/487, mb4.1/23, MS3.5/17, 38C-5D,
Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like BANR, BANR, VRSS, etc.

Table with columns for name, time, and status. Includes entries like VOIR, BOSS, HUMR, PDS, PDG, etc.

Table with columns for name, time, and status. Includes entries like KRUC, ICOR, OKC, LSK, KMPD, etc.

Table with columns for name, time, and status. Includes entries like FETA, Feichten, BRG, Berggiesshobel, etc.

23d 7h

Table of astronomical observations for 23d 7h, listing station names, coordinates, and observation parameters.

2018 DEC

Main table of astronomical observations for 2018 DEC, including station names, coordinates, and observation parameters.

1514

Table of astronomical observations for 1514, including station names, coordinates, and observation parameters.

Summary text for the 1514 observations, including coordinates and observation details.

Table of astronomical observations for 1514, including station names, coordinates, and observation parameters.

NP1:57.00000°; 580.00000°; λ-10.00000°; NP2: 0:149.00000°; 580.00000°; λ-170.00000°; Principal axes: T 1.9290, P103.0000°, Azm103.0000°; N -0.4820, P176.0000°, Azm193.0000°; P -1.4430, P1410.0000°, Azm13.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 23 07:23:59.1±0.8,35.73S±0.10;110°1W±0.1,1h0km,n55, 0.1567/20,mb4.1/10,MS4.0/25,Southern East Pacific Rise

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Lists various seismic stations like Rapa Nui, Juan Fernandez, Paso Flores, etc.

IDC 23 07:34:37.8±1.4, 28.70N-142.31E, h0km, mb3.3/4, mbmp3.3/5, ML2.6/1, Error ellipse: s-maj=53.9km s-min=25.3km az=88.0, Bonin Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Lists various seismic stations like Matsushiro Arr, WAKE ISLAND, etc.

az=165.0 STR 23 07:52:29.2±1.2, 46°N±5°E, h2km, MLV2.9/6, Error ellipse: s-maj=0.0km s-min=0.0km az=98.5, preliminary PRU 23 07:52:30.6, 45.61N±1.170E, h10km LDG 23 07:52:32.9±0.3, 45.84N±1.179E, h11km, ML2.7/10, Error ellipse: s-maj=6.8km s-min=4.9km az=132.0 ISC 23 07:52:30.4±0.8, 45.77N±0.02;111.73E±0.01, h13km±5km, n111, c128/162, 4D, Northern Italy

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Lists various seismic stations like Cima Grappa, Asolo, Resana (TV), etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Lists various seismic stations like ZIAN, CAE, CAE, LUSI, etc.

23d 8h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like RONC, SERM, VOBA, RAVA, ABTA, ROBS, FETA, CADS, SOTA, WTTA, WJTS, VOUS, WATA, MYKA, MOTA, JAVS, GORS, LMD, KBA, LESA, RETA, LJU, DAVA, GORR, OBKA, BIOA, RNCA, PCP, MOA, EMBD, TRAV, GUT, CANO, ARSA, SULZ, BALST, REMY, CKRC.

2018 DEC

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CONA, KHC, SBF, OPMU, MBDF, CHMF, BRANT, HINF, ECH, CABF, ORIF, ORIF, HAU, VIVF, SAVF, SMF, LOR, AVF, BGF, SFTA, SFTK, OHH, SALK, ARSB, BTK, GAR, ARK, UCH, TRKS, ARLS, ARLS, AML, UCH, NRN, MNAS, EKSS, MRKS, AAK, KBK, IUG, IUG, ULHL, BOOM, CHMS, CHMS, CHMS, USP, TKM2, TKM2, KDJ, KK31, KK31, KST, KST, DGS, DGS, DGS, BRLS, BRLS, BRLS, TNS5, TNS5, TNS5, MDOK, MDOK, MDOK, ARXS.

1516

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ARXS, GDL2, PECS, PECS, VHRN, ALPN, MNHN, EPT, ODSA, TX31, SAND, SGCY, SGCY, POST, POST, 121A, 121A, OZNA, SN05, SN05, SN07, SN07, DKN5, DKN5, ANMO, ANMO, AMTX, AMTX, DRIO, DRIO, JCT, JCT, ABTX, ABTX, BRDY, BRDY, WMOK, 435B, KSCO, PMG, PMG, PMG, PMG, HNRU, CTA, KDU, DZM, DZM, DZM, QLP, WRA, AS01, ASAR, STKA, STKA, RAO, PETK, SONM, SONM, MKAR, ZALV, ILAR, KURBB, AAK, NRIK, BVAR, YBH, YKA, TORD, TORD.

Table with columns: EPT, comp=N, 117nm, 0.3s, ODDA Odessa, TX31 Lajitas Ar. Si, SAND Sanderson, SGCY Sterling City, etc.

Table with columns: PMPB, comp=E, 2um, 0.7s, HTUM Tustin Road, PCCM Crazy Corron, BPCM Ponciano Ridge, etc.

Table with columns: NLC Nalytchevo, SDR Sedlovina, SDR Sedlovina, KRER Koryakskii, etc.

IDC 23 08:48:47.8-1.0, 35.205N:76.90E, h0km, mb3.6/9, mbpm3.6/14, ML3.1/5, MS3.4/2, Error ellipse: s-maj=27.0km s-min=16.3km az=60.0

ISC 23 08:48:53.0-0.9, 35.24N:0.09-77.1E:0.1, h34km, time, r=192/18, mb3.6/9, EASEN Kashmir

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h m s, ISC, AAK Ala-Archa, AAK 0.3nm, 0.3s, baz=180, slow=7.1, SNR=3.7, etc.

IDC 23 09:02:37.0-0.6, 55.25N:162.61E, h0km, mb4.1/27, mbmp4.1/29, ML3.9/2, MS3.4/12, Error ellipse: s-maj=17.0km s-min=12.0km az=166.0

KRSC 23 09:02:38.0-1.2, 54.93N:163.05E, h26km, 32km, 4/1.8, MOS 23 09:02:40.9-0.9, 55.06N:162.88E, h52km, mb.4, 4/1.5, Error ellipse: s-maj=7.2km s-min=4.4km az=74.9

NEIC 23 09:02:42.9-1.2, 55.1N:0.1:162.6E:0.2, h49km, 11km, mb4.4/45, Error ellipse: s-maj=24.3km s-min=13.3km az=141.0

ISC 23 09:02:42.9-0.4, 55.05N:0.04:162.84E:0.04, h50km, n412, r=191/414, mb4.3/61, MS3.5/10, 9C-4D, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h m s, ISC, KBTR Krutoberegovo, KBTR Krutoberegovo, KBTR Krutoberegovo, etc.

NEIC 23 09:02:07.3-1.5, 36.537N:0.010:121.19W:0.02, h6km, 5km, Error ellipse: s-maj=2.0km s-min=1.0km az=74.0

NCEDC 23 09:02:07.3-1.5, 36.575N:0.012:121.16W:0.01, h3km, 3km, ML3.3/11, ML3.1/36(NEIC), Error ellipse: s-maj=1.9km s-min=1.4km az=219.0, Central California

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h m s, ISC, BVL Bear Valley, BPIM Pinnacles, BBGB Big Mountain B, etc.

IDC 23 09:02:42.9-0.4, 55.05N:0.04:162.84E:0.04, h50km, n412, r=191/414, mb4.3/61, MS3.5/10, 9C-4D, Near east coast of Kamchatka Peninsula

IDC 23 09:02:42.9-0.4, 55.05N:0.04:162.84E:0.04, h50km, n412, r=191/414, mb4.3/61, MS3.5/10, 9C-4D, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h m s, ISC, M13K Dall Lake, J14K Navranar Lak, F15K North Star Dit, etc.

IDC 23 09:02:42.9-0.4, 55.05N:0.04:162.84E:0.04, h50km, n412, r=191/414, mb4.3/61, MS3.5/10, 9C-4D, Near east coast of Kamchatka Peninsula

IDC 23 09:02:42.9-0.4, 55.05N:0.04:162.84E:0.04, h50km, n412, r=191/414, mb4.3/61, MS3.5/10, 9C-4D, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h m s, ISC, SHEM Shemya Is, Ala, KMSK Kamenskaya, KMSK Kamenskaya, MA2 Magadan, etc.

23d 9h

Table with columns for station ID, name, elevation, distance, direction, and time. Includes stations like M16K Timber Creek, J17K VABM Dome, N16K Nishik Lake, etc.

2018 DEC

Table with columns for station ID, name, elevation, distance, direction, and time. Includes stations like SUA Susitna One, TRF Thorofare Moun, CRU Chulifna, etc.

1518

Table with columns for station ID, name, elevation, distance, direction, and time. Includes stations like E27K Coleen River, G27K Doyon Strip, H27K Steamboat Moun, etc.

Table listing astronomical observations for stations like STON, BOSS, RUDDO, etc., with columns for station name, magnitude, phase, and time.

Table listing astronomical observations for stations like ACON, BCIP, TISN, etc., with columns for station name, magnitude, phase, and time.

Table listing astronomical observations for stations like YATNC, DZM, etc., with columns for station name, magnitude, phase, and time.

UCR 23 09:55:04.8-0.9, 8.58N-83.61W, h0km, 4km, MWB, 8
CATAC 23 09:55:05.6-0.7, 8.51N-83.62W, h2km, 3km, MBS, 9, mb4.9, ML4.5

ICD 23 09:55:09.5-2.7, 9.53N-83.08W, h0km, mb3.8/8, mbmp3.9/10, ML3.4/2, MS3.2/4, Error ellipse:
s-maj=77.7km s-min=18.8km az=16.0

NEIC 23 09:55:09.3-2.1, 8.7N-0.1, 8.3-40W:0.05, h20km, 9km, mb4.1/9, Error ellipse: s-maj=15.9km s-min=4.8km az=203.0

ISC 23 09:55:06.0-1.2, 8.62N-0.04-83.57W, h0km, 8km, n92, o162/96, mb4.1/13, 1.0D, Costa Rica

Table listing astronomical observations for stations like JAME, EDD, etc., with columns for station name, magnitude, phase, and time.

Table listing astronomical observations for stations like ESQI, HUEH, etc., with columns for station name, magnitude, phase, and time.

Table listing astronomical observations for stations like ETMB, SAML, etc., with columns for station name, magnitude, phase, and time.

Table listing astronomical observations for stations like KUZ, AUW, etc., with columns for station name, magnitude, phase, and time.

Table listing astronomical observations for stations like CTA, WRA, etc., with columns for station name, magnitude, phase, and time.

Code Station Name A° AZ° Phase ID Time Res h m s ISC
MARNC Mare, Loyalty 1.42 293 P Pn 10 09 45.8 -0.4
MARNC Mare, Loyalty 1.42 293 P Pn 10 09 45.5 -0.6
MARNC Mare, Loyalty 1.42 293 P Sn 10 10 04.2 +0.1

1521

Table of station data for 1521, including call signs like ARPS, LCRK, HTT, etc., frequencies, and other technical details.

2018 DEC

Table of station data for 2018 DEC, including call signs like ASAJ, KSRS, IPM, etc., frequencies, and other technical details.

23d 10h

Table of station data for 23d 10h, including call signs like M11K, O14K, LZH, etc., frequencies, and other technical details.

23d 10h

Table with columns for station ID, name, elevation, and various data points. Includes stations like TNA Tin City, ISA Isabella, Lake, L20K Farewell, AK, etc.

2018 DEC

Table with columns for station ID, name, elevation, and various data points. Includes stations like D17K Noatak River, I21K Tanana, V35K Ketchikan, etc.

1522

Table with columns for station ID, name, elevation, and various data points. Includes stations like H03S2 Juan Fernandez, H03S1 Juan Fernandez, EGAK Eagle, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KOLS, ARR, MARR, DRGR, etc.

WEL 23 10:42:00.0, 71.5, 3x17 5E, h26km, M1.5/7, ML1.8/9, MLV1.5/7, Error ellipse: s-maj=3.8km s-min=3.2km az=156.1, confirmed, North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like UHCS, FAIS, CAW, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KIWI, KAPITI, PALISSER, etc.

IDC 23 10:40:20.8, 1.0, 54.59N, 164.21E, h0km, mb3.6/11, mbtmp3.6/12, ML2.4/1, MS3.9/1, Error ellipse: s-maj=28.0km s-min=18.4km az=154.0

KRSC 23 10:40:21.0, 1.2, 54.49N, 164.23E, h47km, mb3.6/11, NEIC 23 10:40:21.0, 1.7, 54.38N, 0.2, 164.0E, 0.1, h10km, 1km, mb4.0/23, Error ellipse: s-maj=30.1km s-min=7.2km az=334.0

ISC 23 10:40:24.0, 0.6, 54.55N, 0.05, 164.23E, 0.04, h25km, n70, c131/83, mb3.9/24, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BKI, KRBT, KBG, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MTRV, GRL, KIWB, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like E19K, F20K, E21K, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like E24K, F24K, D25K, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like C27K, B27K, BKAR, etc.

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

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

KRSC 23 10:44:29.6, 1.2, 54.45N, 164.29E, h42km, mb3.6/11, ISC 23 10:44:31.3, 3.7, 54.53N, 0.05, 164.37E, 0.07, h17km, 24km, n38, c152/48, mb3.7/10, MS3.9/3, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BKI, KRBT, KBG, etc.

IDC 23 10:57:47.0, 0.5, 54.82N, 164.51E, h0km, mb4.2/31, mbtmp4.2/35, ML4.3/33, MS4.4/17, Error ellipse: s-maj=14.4km s-min=11.1km az=159.0

KRSC 23 10:57:47.5, 1.4, 54.75N, 164.50E, h51km, mb3.6/11, NEIC 23 10:57:48.3, 1.1, 54.61N, 0.1, 164.5E, 0.1, h10km, 1km, mb4.6/74, Error ellipse: s-maj=20.9km s-min=11.8km az=170.0

MOS 23 10:57:50.6, 0.9, 54.75N, 164.47E, h43km, mb4.6/19, Error ellipse: s-maj=6.6km s-min=5.3km az=82.5

ISC 23 10:57:51.0, 1.0, 3.5476N, 0.04, 164.53E, 0.03, h27km, n443, c195/434, mb4.5/92, MS3.5/14, 9C-50, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BKI, KRBT, KBG, etc.

1525

Table of radio stations under the 1525 frequency band, listing call signs, frequencies, and other technical details.

2018 DEC

Table of radio stations under the 2018 DEC frequency band, listing call signs, frequencies, and other technical details.

23d 11h

Table of radio stations under the 23d 11h frequency band, listing call signs, frequencies, and other technical details.

IDC 23 11:00:41.1, 9.54°86N, 164.142E, h0km, mb3.6/4, mblm=3.5, ML1.91, Error ellipse: s-maj=50.6km, s-min=24.3km az=164.0, Komandorsky Islands region

NEIC 23 11:10:2.0, 47.44°82N, 0:02:123.83W, 0:05, h55km, 3km, Error ellipse: s-maj=4.9km s-min=3.1km az=102.0, SEA 23 11:11:03.0, 3.44°53N, 0:02:123.79W, 0:03, h49km, 3km, ML2.5/15, ML2.8/60(N,C), Error ellipse: s-maj=3.2km

Table of radio stations under the NEIC/SEA frequency band, listing call signs, frequencies, and other technical details.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NAKUTSU, KOREA ARRAY, SONM, etc.

CATAC 23 11:34:03.6:0.8, 12:87N-88:93W, h25km, 8km, ML3.4

Main table for station data with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TECO, LALI, SNVI, etc.

IDC 23 11:39:47.8:2.1, 62.71S-84.22E, h0km, mb3.8/3, mbmp3.8/4, ML3.7/1, Error ellipse: s-maj=84.8km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H04S2, H04S1, H04S3, etc.

RSNC 23 11:53:43.7:0.0, 13°N, 3°E, 8°1'W, h0km, 4km, M3.3, mb4.4, ML3.3

IDC 23 11:53:46.0:2.4, 12:82N-80:91W, h0km, mb3.4/3, mbmp3.5/4, ML3.6/1, MS2.7, Error ellipse: s-maj=56.7km

CATAC 23 11:53:46.2:0.4, 13:24N-81:04W, h10km, mb5.9, MB6.2, ML4.1

Main table for station data with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PRVC, SAIC, SERC, etc.

KRSC 23 11:57:13.3:1.0, 55:18N-164:57E, h40km, 26km, MI3.5, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BKI, KBTR, KBG, etc.

AEIC 23 12:08:39.2:2.0, 61:45N-0:04:150:13W, h0.08, h19km, 5km, ML3.2, ML3.3/77(NEIC), Error ellipse: s-maj=6.2km

IDC 23 12:08:41.7:8.3, 61:60N-150:43W, h76km, 73km, mb2.8/2, mbmp3.2/4, ML3.1/2, Error ellipse: s-maj=64.2km

ISC 23 12:08:40.0:1.0, 61:43N-0:06:150:12W, 0:05, h42km, n66, c0566/68, Southern Alaska

Main table for station data with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like M22K, PMR, STLK, etc.

IDC 23 12:13:01.1:1.8, 54:48N-164:58E, h48km, 35km, MI3.7, IDC 23 12:13:03.2:2.5, 62N-164:46E, h0km, mb3.5/5, mbmp3.5/6, ML2.3/1, MS3.1/3, Error ellipse: s-maj=75.0km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ITRB Iturama, PDRB Porto do Gac, RCLB Rio Claro-Sao, VAO Valinhos, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SJA 23 12:58:18.0, GUC 23 12:58:18.3, SCB 23 12:58:19.0, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PB04 IPOC Station P, PB04 IPOC Station P, PB04 IPOC Station P, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KALE Kalithea, KALE KALE, KALE comp=N,6072um,0.6s, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like KBK, SONM, AAK, ULN, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like RAYN, BVAO, BRVK, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like SORM, AK09, AKASG, etc.

23d 14h

Table with columns: BRG, Berggiesshubel, 87.62 321, i, Pmax, Pmax, 14 16 35.3 +1.6, etc.

AEIC 23 14:17.2, 2.1, 6.1, 36N, 0.02, 150W, 0.05, h20km, 7km, ML2.9/10(NEIC), Error ellipse: s-maj=3.8km s-min=2.9km az=117.0

NEIC 23 14:17.2, 5.0, 6.6, 41.2N, 0.04, 150.06W, 0.07, h41km, 5km, ML2.2(AEIC), Error ellipse: s-maj=5.1km s-min=4.5km az=194.0, Southern Alaska

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

2018 DEC

Table with columns: FID, Port Fidalgo, 1.86 109, Pn, Pn, 14 17 41.3 -0.6, etc.

IDC 23 14:21:26.8, 2.0, 55.01N, 164.60E, h0km, mb3.4/4, mbmp3.3/5, ML2.0/1, MS2.7/1, Error ellipse: s-maj=76.6km s-min=25.5km az=162.0, Komandorsky Islands region

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

IDC 23 14:22:14.0, 999.0, 29.69N, 75.92E, h0km, Error ellipse: s-maj=515.8km s-min=178.9km az=55.0, Off east coast of United States

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

1532

Table with columns: MKAR, Makanchi Array, 25.18 324, P, P, 14 28 06.8 -0.1, etc.

IDC 23 14:30:18.9, 7.2, 23.31N, 143.17E, h116km, 68km, mb3.4/7, mbmp3.7/8, Error ellipse: s-maj=119.6km s-min=17.7km az=78.0

ISC 23 14:30:08.6, 2.8, 23.4N, 02:24:13.5E, 0.9, h31km, n7, az=36/8, mb3.87, Volcano Islands region

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

IDC 23 14:34:22.9, 0.5, 55.31N, 162.96E, h0km, mb4.2/30, mbmp4.2/33, ML4.5/2, MS3.9/36, Error ellipse: s-maj=14.9km s-min=10.7km az=148.0

KRSC 23 14:34:23.7, 0.9, 55.11N, 163.52E, h61km, 23km, Mc5.2, M4.8

NEIC 23 14:34:25.2, 2.5, 3N, 0.1, 163.1E, 0.1, h16km, 4km, mb1.0/6, Error ellipse: s-maj=15.8km s-min=9.7km az=165.0

MOS 23 14:34:26.9, 1.2, 55.18N, 163.26E, h51km, mb4.7/27, Error ellipse: s-maj=6.8km s-min=4.4km az=78.5

ISC 23 14:34:25.6, 1.2, 55.17N, 03:16:30E, 0.03, h23km, 8km, n296, 1941/277, mb4.5/105, MS4.0/39, 8C-10D, Off east coast of Kamchatka Peninsula

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

1533

Table with columns for call sign (e.g., TILK, SKR, SHEM), name, frequency, power, and other parameters. Includes sub-sections like ASAJ, YAK, ZEA, M17K, etc.

2018 DEC

Table with columns for call sign (e.g., IL31, ILAR, IELSON), name, frequency, power, and other parameters. Includes sub-sections like B08A, B08B, BVAR, etc.

23d 14h

Table with columns for call sign (e.g., AAK, ULM, GSC), name, frequency, power, and other parameters. Includes sub-sections like AGM, BKAR, CHTO, etc.

23d 15h

Table listing station codes, names, coordinates, and signal details for 23d 15h.

AZER 23 14:41:18.1, 38°67'N, 48°64'E, h17km, m12.7

Table listing Azeri stations including Lenkeran, Astar, Lerik, and others with their respective coordinates and details.

2018 DEC

Summary table for XNQ and IGZV stations.

NEIC 23 14:48:30.7, 1.1, 5.64S, 0.08, 152.2E, 0.1, h10km, 2km, mb4, 4/17, Error ellipse: s-maj=22.7km s-min=11.9km az=105.0

Table listing various stations including Rabul, Port Moresby, and others in the NEIC region.

IDC 23 14:48:34.6, 0.9, 5.65S, 0.1, 152.1E, 0.2, h45km, n37, 0.075/35, mb4,1/18, New Britain region

Table listing stations including Fitzroy Crossi, Fitzroy Crossi, and others in the IDC region.

IDC 23 15:07:29.1, 0.5, 38S, 104.99E, h0km, Error ellipse: s-maj=160.2km s-min=123.0km az=178.0, Southern Sumatara

Table listing various stations including Cocos Islands, SHANNON, and others in the Southern Sumatara region.

IDC 23 14:48:33.2, 1.4, 0°61'N, 126°11'E, h0km, mb3.6/5, mbmp3.6/6, ML3.4/1, Error ellipse: s-maj=111.2km s-min=19.0km az=67.0

DJA 23 14:48:36.8, 0.3, 1°N, 3°12'E, h10km, M3.3/8, Mlv3.3/8

IDC 23 14:48:39.1, 1.0, 0°61'N, 108°126.2E, 0.06, h44km, n9, 0.080/11, mb3.7/4, Northern Molucca Sea

Table listing various stations including Ternate, Cibinong, Sanana, and others in the Northern Molucca Sea region.

OSPL 23 14:53:18.0, 1.5, 19°17'N, 78°20'W, h23km, 209km, ML3.3

SSNC 23 14:53:18.6, 1.6, 19°17'N, 78°13'W, h18km, 12km, MD3.2, ML3.3, MW3.8

JSN 23 14:53:19.1, 0.4, 19°64'N, 77°94'W, h14km, 12km, MD4.5

ISC 23 14:53:17.3, 2.9, 19°70'N, 0°09.78'W, h10.1, h27km, 16km, n17, 0.060/27, 1C-2D, Cuba region

Table listing various stations including Las Mercedes, Mount Denham, and others in the Cuba region.

1534

Summary table for Rio Carpintero and other stations.

Table listing stations including Rio Carpintero, Pinar de May, and others.

NNC 23 15:02:24.4, 4.8, 36°24'N, 68°30'E, h0km, mb3.9, mpv3.6, 2C-3.0, Hindu Kush region

Table listing various stations including Karatay Array, Chumysh, and others in the Hindu Kush region.

IDC 23 15:15:07.5, 291.0, 5.38S, 104.99E, h0km, Error ellipse: s-maj=160.2km s-min=123.0km az=178.0, Southern Sumatara

Table listing various stations including Cocos Islands, SHANNON, and others in the Southern Sumatara region.

NOU 23 15:15:24.5, 22°04'S, 169°74'E, h0km, mb1.8/10, Southeast of Loyalty Islands

IDC 23 15:15:25.6, 3.3, 20°95'S, 169°30'E, h0km, mb3.7/3, mbmp3.7/4, ML3.6/1, MS3.1/5, Error ellipse: s-maj=125.6km s-min=33.3km az=146.0

ISC 23 15:15:27.9, 1.8, 22°15'S, 01°169.7E, 0.1, h25km, n17, 0.130/15, mb3.7/3, MS3.2/3, Southeast of Loyalty Islands

Table listing various stations including Mare, Loyalty, and others in the Southeast of Loyalty Islands region.

ASAR Alice Springs 32.99 260 P 1.1nm, 1.1s, baz=82, slow=8.2, SNR=6.4

WRA Warramunga Arr 33.06 267 P 0.5nm, 0.5s, baz=98, slow=7.9, SNR=9.0

FITZ Fitzroy Crossi 41.49 267 LR 2.2nm, 1.1s, baz=77, slow=35

EKA Eskdalemuir Arr 146.35 353 PKPbc 0.4nm, 0.5s, baz=3.8, slow=4.4, SNR=5.6

UCR 23 15:19:13.6, 0.8, 8°28'N, 84°31'W, h7km, 8km, MW4.1

UPA 23 15:19:14.5, 0.6, 8°21'N, 84°19'W, h6km, 14km

ISC 23 15:19:14.2, 2.6, 8°3N, 0.1, 84.23W, 0.08, h7km, 14km, n28, 0.073/93, Off coast of Costa Rica

Table listing various stations including Carate, Puerto Jimenez, and others in the Off coast of Costa Rica region.

NOU 23 15:37:15.8, 22°31'S, 170°39'E, h0km, mb1.8/12, Southeast of Loyalty Islands

IDC 23 15:37:19.4, 4.8, 20°18'S, 169°07'E, h0km, mb3.3/2, mbmp3.3/2, MS3.2/2, Error ellipse: s-maj=230.8km s-min=50.0km az=153.0

ISC 23 15:37:14.0, 0.1, 17°22'S, 0°2, 170°5E, 0.1, h10km, n17, 0.153/16, Southeast of Loyalty Islands

Table listing various stations including Mare, Loyalty, and others in the Southeast of Loyalty Islands region.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YATNC Mamie plateau, ONTNC Ouen Toro, etc.

ARC 23 15:41:00.6, 0.54, 780N, 164.54E, h0km, mb3,9/21, mbmp4.0/24, ML4.0, 12.9, Error ellipse: s-maj=18.4km s-min=12.9km az=149.0

MOS 23 15:41:00.8, 0.9, 54.75N, 164.57E, h13km, mb4.2/7, Error ellipse: s-maj=7.4km s-min=6.0km az=65.1

KRSC 23 15:41:00.7, 1.2, 54.76N, 164.58E, h48km, mb30km, ML2.2 NEIC 23 15:41:02.6, 1.4, 54.9N, 0.1, 164.3E, 0.2, h10km, 2km, mb4.2/30, Error ellipse: s-maj=25.3km s-min=16.0km az=140.0

ISC 23 15:41:02.1, 2.4, 54.73N, 0.0, 164.58E, 0.05, h13km, 15km, n134, r1917/1144, mb4.2/37, MSZ.9, 5, 6C-1D, Komandorsky Islands region

Table listing stations in Komandorsky Islands region with columns: Code, Station Name, Az, Phase ID, Time, Res.

Table listing stations like GNLF Ganaly, GNLF Ganaly, KRMR Karymshinskiy, etc.

Table listing stations like BILL Bilibino, JKA Kamikawa-asahi, ASAJ Asahikawa, etc.

Table listing stations like E19K Iamb Iamb, TIXI Tiksi, B20K Meade River, etc.

Table listing stations like IL31 Elison Array, ILAR Elison Array, ILAR Elison Array, etc.

Table listing stations like H1N2 WAKE ISLAND Hy 34.98 176, H1N1 WAKE ISLAND Hy 34.98 176, H1N3 WAKE ISLAND Hy 35.00 176, etc.

Table listing stations like YKA Yellowknife Ar, YKA Yellowknife Ar, YKA Yellowknife Ar, etc.

Table listing stations like ARTI Arti, AAK Ala-Archa, FINES FINESS Array B, etc.

Table listing stations like CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, NB2 NORSAR Subarra, etc.

Table listing stations like BKI Bering, SPN Mys Shipunski, PETK Petropavlovsk, etc.

Table listing stations like YKA Yellowknife Ar, NEW Newport, KURBE Kurchatov Arr, etc.

Table listing stations like WB2 Warramunga Arr, WB2 Warramunga Arr, AS31 Alice Springs, etc.

Table listing stations like MARNC Mare, Loyalty, MARNC Mare, Loyalty, DVP Dennis Plateau, etc.

Table listing stations like ASAR Alice Springs, WRA Warramunga Arr, FITZ Fitzroy Crossi, etc.

Table listing stations like SSNC 23 16:17.8, 2.2, 81.96N, 71.17W, h120km, 17km, MD3.6, ML2.8, etc.

Table listing astronomical stations (KIRR, KMRN, KMNK, etc.), their coordinates, and other identifiers.

WEL 23 19:14:48.5+1.0, 32° S; 10° 17' 9W; 2' 6, h328km, 13km, M4.5/8, mb4.9/6, ML4.9/12, MLv4.8/8, Mw/(mb)4.1/6, Error ellipse: s-maj=36.4km s-min=5.9km az=109.2, confirmed NOU 23 19:15:09.1, 33° 70'S; 179.74W, h438km, mb3.8/7, South of Kermadec Islands

ISC 23 19:14:46.S; 1.3, 31°15S.0;1.179°0W.0;2, h350km, n36, c1561/43, Kermadec Islands region

Table listing stations (GLZK, MXZ, MXZ, etc.) for the 23rd 19h event.

LDG 23 19:18:33.6-0.4, 43°13N; 0:21W, h10km, Md1.4/2, Error

ellipse: s-maj=10.1km s-min=3.1km az=178.0, Pyrenees

Table listing stations (ETSF, EPF) for the Pyrenees event.

MRB 23 19:04.3; 0.4, 42°24N; 1°63E, h17km, gkm, ML-0.1/6, Error ellipse: s-maj=2.5km s-min=2.0km az=165.0, Pyrenees

Pyrenees

Table listing stations (ARBS, CORG, PAND, etc.) for the MRB event.

IDC 23 19:22:16.6; 1.4, 33°68N; 138°69E, h0km, mb3.7/7, mbtmp3.7/9, ML3.5/2, MS2.5/2, Error ellipse: s-maj=34.4km s-min=25.0km az=93.0

JMA 23 19:22:19.4; 0.1, 33°72'0"; 138°55'0"; 0.3, h43km, 2km, Mw/1.5, FAR S OFF TOKAI DISTRICT

NIED 23 19:22:19.1, 33°69N; 138°53E, h43km, MW3.6, Moment Tensor Solution. s3 Moment tensor: Scale 10^14Nm; Mn:2.63; Mns:3.25; Mno:0.62; Mio:0.07; Mop:0.72; Mop:0.87; Fault plane solution: Mo3.17000x10^14 Np1.7e6.0.00000°, 85.00000°, 161.00000°. NP2.2e280.00000°, 648.00000°, 119.00000°.

ISC 23 19:22:18.9; 1.9, 33°69N; 0:04; 138°54E; 0:03, h17km, 13km, n50, c0998/40, mb3.5/8, South of Honshu

Table listing stations (JKO, JSKJ, TT05, etc.) for the Honshu event.

IDC 23 19:28:09.0; 0.8, 54°18'N; 164°50'E, h0km, mb3.7/13, mbtmp3.7/14, ML2.8/1, M2.9/2, Error ellipse: s-maj=25.9km s-min=16.0km az=156.0

KPSC 23 19:28:10.7; 1.5, 54°17'5N; 164°40'E, h48km, 31km, M4.0, Error ellipse: s-maj=25.9km s-min=16.0km az=156.0

ISC 23 19:28:11.9; 3.7, 54°78'N; 164°53E; 0.06, h17km, 24km, n50, c1574/69, mb3.8/13, Komandorsky Islands region

Table listing stations (BKI, KBTR, KBG, etc.) for the Komandorsky Islands event.

IDC 23 19:24:05.8; 0.7, 54°81'N; 164°51'E, h0km, mb3.8/17, mbtmp3.8/18, ML2.7/1, Error ellipse: s-maj=21.8km s-min=14.1km az=155.0

KRSC 23 19:24:06.3; 1.3, 54°78'N; 164°42'E, h44km, 32km, M4.0, Error ellipse: s-maj=21.8km s-min=14.1km az=155.0

ISC 23 19:24:06.8; 1.9, 54°84'N; 164°45E; 0.07, h8km, 13km, n53, c150/61, mb3.9/17, Komandorsky Islands region

Table listing stations (BKI, KBTR, KBG, etc.) for the second Komandorsky Islands event.

Table listing stations (DALK, PET, KMRM, etc.) for the 1538 event.

MRB 23 19:04.3; 0.4, 42°24N; 1°63E, h17km, gkm, ML-0.1/6, Error ellipse: s-maj=2.5km s-min=2.0km az=165.0, Pyrenees

Pyrenees

Table listing stations (ARBS, CORG, PAND, etc.) for the MRB event.

IDC 23 19:22:16.6; 1.4, 33°68N; 138°69E, h0km, mb3.7/7, mbtmp3.7/9, ML3.5/2, MS2.5/2, Error ellipse: s-maj=34.4km s-min=25.0km az=93.0

JMA 23 19:22:19.4; 0.1, 33°72'0"; 138°55'0"; 0.3, h43km, 2km, Mw/1.5, FAR S OFF TOKAI DISTRICT

NIED 23 19:22:19.1, 33°69N; 138°53E, h43km, MW3.6, Moment Tensor Solution. s3 Moment tensor: Scale 10^14Nm; Mn:2.63; Mns:3.25; Mno:0.62; Mio:0.07; Mop:0.72; Mop:0.87; Fault plane solution: Mo3.17000x10^14 Np1.7e6.0.00000°, 85.00000°, 161.00000°. NP2.2e280.00000°, 648.00000°, 119.00000°.

ISC 23 19:22:18.9; 1.9, 33°69N; 0:04; 138°54E; 0:03, h17km, 13km, n50, c0998/40, mb3.5/8, South of Honshu

Table listing stations (JKO, JSKJ, TT05, etc.) for the Honshu event.

IDC 23 19:28:09.0; 0.8, 54°18'N; 164°50'E, h0km, mb3.7/13, mbtmp3.7/14, ML2.8/1, M2.9/2, Error ellipse: s-maj=25.9km s-min=16.0km az=156.0

KPSC 23 19:28:10.7; 1.5, 54°17'5N; 164°40'E, h48km, 31km, M4.0, Error ellipse: s-maj=25.9km s-min=16.0km az=156.0

ISC 23 19:28:11.9; 3.7, 54°78'N; 164°53E; 0.06, h17km, 24km, n50, c1574/69, mb3.8/13, Komandorsky Islands region

Table listing stations (BKI, KBTR, KBG, etc.) for the Komandorsky Islands event.

IDC 23 19:24:05.8; 0.7, 54°81'N; 164°51'E, h0km, mb3.8/17, mbtmp3.8/18, ML2.7/1, Error ellipse: s-maj=21.8km s-min=14.1km az=155.0

KRSC 23 19:24:06.3; 1.3, 54°78'N; 164°42'E, h44km, 32km, M4.0, Error ellipse: s-maj=21.8km s-min=14.1km az=155.0

ISC 23 19:24:06.8; 1.9, 54°84'N; 164°45E; 0.07, h8km, 13km, n53, c150/61, mb3.9/17, Komandorsky Islands region

Table listing stations (BKI, KBTR, KBG, etc.) for the second Komandorsky Islands event.

1539

Table containing station details for 1539, including station name, frequency, power, and other technical parameters. Includes sub-sections like 'Code Station Name' and 'GTK'.

2018 DEC

Main table for 2018 DEC, listing various stations, their frequencies, and associated technical details. Includes sub-sections like 'GOMU', 'DHRM', 'JHSG', etc.

23d 19h

Table for 23d 19h, listing stations, frequencies, and technical details. Includes sub-sections like 'AKL', 'TARG', 'SHLS', 'KMI', etc.

23d 19h

Table with columns for call sign, name, frequency, mode, status, and coordinates. Includes stations like MK31, MKAR, MKAZ, POO, SLVN, GYA, CHGR, SIMJ, DZA, BTLS, IUG, XAN, MDRS, CHM, ENH, BRLS, PBA, GULI, SEM, BTO, KURBB, LYN, KURK, HRA, TIY, HHC.

2018 DEC

Table with columns for call sign, name, frequency, mode, status, and coordinates. Includes stations like HHC, CNSH, UBPT, BRZS, SONM, ULN, WHN, QIZ, ZAK, MOY, HNS, ZAAO, ZALV, PALK, NGCH, SRIT, IRK, BJT, BJI, TIA, BSI, BVAO, BVAR, BVAR, BVAR, BRVK, BRVK, BRVK, BRVK, BRVK.

1540

Table with columns for call sign, name, frequency, mode, status, and coordinates. Includes stations like BRVK, XLT, JLN, JLN, JLN, LHMJ, JASK, DLV, WBK, WSAR, NJ2, NJ2, NJ2, BIDO, SMDO, JMDO, HOQ, KULM, BANOM, OZH, QZH, SHME, MDH, MDH, BSY, BSY, MSFE, AB31, MHTO, MHTO, SOHO, UOSS, UOSS, HATO, HATO, ASHJ, ASHJ, ASHO, ARQ, CIT, CIT, ALNE, ALNE, ALNE, SNSI, DQM, DQM.

Table with columns for station codes (e.g., DOM, ASUD, DL2), names (e.g., Ashush, Dalian), times (e.g., 29.11 267, 29.16 64), and various status indicators (S, P, I, M).

Table with columns for station codes (e.g., ARTI, SISI, TPRI), names (e.g., Arti, Saiba), times (e.g., 33.12 330), and various status indicators (P, M, S).

Table with columns for station codes (e.g., ZEA, PMBI, NCK), names (e.g., Zeynep, Palembang, Nalchik), times (e.g., 19.38 58.8), and various status indicators (P, M, S).

23rd 19h

Table with columns for station name, frequency, power, and other technical details. Includes stations like GRNR, INUYAMA, YAKUTSK, etc.

2018 DEC

Table with columns for station name, frequency, power, and other technical details. Includes stations like MRSI, BZK, JTM, etc.

1542

Table with columns for station name, frequency, power, and other technical details. Includes stations like KIEV, AK16, MFRF, etc.

1545

Table with 4 columns: ID, Name, Location, and Data. Rows include WRAB, WRAB Tennant Creek, WRAB, WB2, WLF1, WRKA, CEST, MUN, GAMB, SCO, KLBR, EPF, C16K, C16K, TNA, A19K, B17K, C18K, NWA0, NWA0, NWA0, NWA0, NWA0, NWA0, NWA0, RDOG, RDOG, F14K, D17K, A21K, C18K, C18K, C18K, KMBL, PMG, PMG, PMG, C19K, NEEM, F15K, F15K, AS31, ASAR, ASAR, ASO1, EUNU, EUNU, B20K, B20K, A22K, ANN, ANN, ANN, ANN, E17K, E18K, G15K, D19K, D19K, F17K, F17K, BORG, G16K, G16K, B22K, B22K, D20K, F18K, SUMG, SUMG, SUMG, C21K, H16K, QIS, SPIA, E19K, E19K, E19K.

2018 DEC

Table with 4 columns: ID, Name, Location, and Data. Rows include F19K, F19K, K13K, K13K, K13K, J14K, J14K, J14K, M11K, M11K, M11K, G18K, G18K, G18K, G18K, E21K, E21K, E21K, E21K, C23K, C23K, P08K, F20K, F20K, F20K, FORT, I17K, I17K, G19K, G19K, H18K, H18K, D23K, D23K, TAM, C24K, C24K, J16K, J16K, ESDC, ESDC, E22K, E22K, K15K, F21K, L14K, L14K, H19K, D24K, D24K, D24K, F22K, PAB, M13K, M13K, TOLK, TOLK, MTSU, J17K, J17K, L15K, GCSA, LSZ, LSZ, LSZ, LSZ, G21K, G21K, H20K, C26K, E23K, E23K, M14K, M14K, D25K, IMAR, G22K, PBRG, PBRG, E24K.

Table with 4 columns: ID, Name, Location, and Data. Rows include E24K, COLD, K17K, K17K, C27K, C27K, ICESG, ICESG, L16K, I20K, J18K, J18K, H21K, H21K, M15K, M15K, N14K, J19K, J19K, OOD, L17K, L17K, NIHO, NIHO, MVO, MVO, G23K, G23K, F24K, F24K, H22K, J20K, E25K, M16K, M16K, N15K, O14K, O14K, I21K, I21K, PVRL, PVRL, POLO, POLO, PCAB, PCAB, PGAV, PGAV, PGAV, PGAV, L18K, L18K, F25K, F25K, D27M, D27M, MTE, MTE, MTE, MTE, M17K, N16K, UNV, G24K, G24K, PVIS, PVIS, K20K, K20K, PCBR, PCBR, F26K, F26K, F26K, PMRV, PMRV, PMRV, PMRV, O15K, BMAR, CHUM, G25K, D28M, H24K, I23K, L19K, L19K, M18K, E27K, E27K, N17K, N17K, N17K, PBAR, PBAR, E24K.

23d 19h

23d 19h

Table with columns: Station, Name, Frequency, Class, Mode, Power, and other technical details. Includes stations like BPAW, PESTR, L20K, CAST, etc.

2018 DEC

Table with columns: Station, Name, Frequency, Class, Mode, Power, and other technical details. Includes stations like F30M, G29M, SUA, I27K, etc.

1546

Table with columns: Station, Name, Frequency, Class, Mode, Power, and other technical details. Includes stations like LPHEP, BVCV, HNR, MCARA, etc.

23d 19h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include ASAR Alice Springs, ESDC Sonseca Array, ILAR Eielson Array, TORD Torodi Ar. Bea, STKA Stephens Creek, BOSA Boshof, YKA Yellowknife Ar, DBIC Dimbokro, TXAR Lajitas Array, CPUP Villa Florida.

IDC 23 19:40:09.7,0.7,30.14N,87.57E, hOkm, mb3.9/17, mbmp3.8/19, ML3.6/2, Error ellipse: s-maj=30.3km s-min=15.4km

ISC 23 19:40:11.5,0.7,30.22N,0.1,87.6E,0.2, h10km, n21, c1501/22, mb3.8/17, Xizang

Main table for 23d 19h with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include CMAR Chiang Mai Arr, MKAR Makanchi Array, KURBB Kurchatov Arra, SONMI Songino Array, ZALV Zalesovo Beam, BVAR Borovoye Array, ARTI Arti, BRTR Keskin Array B, AKASA Malin Array Be, MLR Muntele Rosu, FINES FINES Array B, ARCES ARCESS Array B, HFS Hagfors, NOA NORSAR Array B, WRA Warramunga Arr, ASAR Alice Springs, TORD Torodi Ar. Bea, STKA Stephens Creek, YKA Yellowknife Ar, TXAR Lajitas Array, CPUP Villa Florida.

SJA 23 19:48:13.4,0.9,31.21S,68.34W, h95km, 2km, ML3.4, MW3.5, San Juan Province

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include RTLL Cerro Villicun, SJA San Juan, ZON Zonda, RTCV Cerro Valdivia, DOCA Reserva Natura, ACCO Cerro Coronel, AVFE Valle Fertil, RTLS Leoncito, ASAL Salagasta, ACHE Chepes, ARCO CERRO ARCO, AGUA GUANDACOL, APLL PUNTA DE LOS L, AAGR Agrelo, CO01 Juntas del Tor, CO03 El Pedregal, ACLC CERRO LA CRUZ, AVIZ Vizcacheras, G004 Tololo Observa, VCA Vincina, MT08 Botocoma Ro.

2018 DEC

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MT05 Universidad Ar, MT13 San Alfonso, LMEL Las Melosas, CYA Choya, RFA San Rafael, MT01 Popeta, AC04 Llanos de Chal, BO01 Tunca, G003 Copiapo, BO02 Sierra Bellavi, AHML Horco Molle.

IDC 23 19:49:32.6,0.6,30.16N,87.62E, hOkm, mb4.0/23, mbmp4.0/26, ML3.6/3, Error ellipse: s-maj=22.7km s-min=13.6km

BJI 23 19:49:37.1,30.24N,87.78E, h8km, mb4.2/15, ML3.6/1, NDI 23 19:49:38.4,4.0,30.26N,87.72E, h10km, ML3.8

ISC 23 19:49:35.0,4.0,30.26N,0.066,87.62E,0.04, h10km, n52, c254/64, mb4.0/24, Xizang

Main table for 2018 DEC with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include GTK Tadong, LSA Lhasa, TAWA Tawang, SHL Shillong, ZIRO ZIRO, LGTI Lohaghat, BOK Bokaro, KOHI KOHIMA, KNTI KHUNTI, LKP Lehpapani, IMP Impgal, KLP Kaipa, DDI Dehra Dun, SMLA Simla, DHRM DHARAMSHALA, GUNA GUNA, BHPL Bhopal, NRDM NARMADA NAGARI, CMAR Chiang Mai Arr, AAK Ala-Archa, MKAR Makanchi Array, XAN Xi'an, BTO Baotou, KURBB Kurchatov Arra, SONMI Songino Array, ZALV Zalesovo Beam, BVAR Borovoye Array, AKTO Aktyubinsk, ARTI Arti, NRKI Noril'sk, BRTR Keskin Array B, AKASA Malin Array Be, MLR Muntele Rosu, FINES FINES Array B, ARCES ARCESS Array B.

1548

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include VRAC Vranov, HFS Hagfors, BRG Bergliesshubel, NB2 NORSAR Subarra, NOA NORSAR Array B, GERES GERES Array B, EKA Eskdalemuir Ar, WRA Warramunga Arr, ASAR Alice Springs, ESDC Sonseca Array, ILAR Eielson Array, TORD Torodi Ar. Bea, YKA Yellowknife Ar, DBIC Dimbokro, TXAR Lajitas Array, CPUP Villa Florida, LPAZ La Paz.

IDC 23 19:55:33.4,1.5,35.96N,74.56E, hOkm, mb3.6/8, mbmp3.6/4, ML3.7/6, Error ellipse: s-maj=31.4km s-min=21.0km

ISC 23 19:55:38.8,1.2,36.0N,0.1,74.6E,0.1, h35km, n16, c074/18, mb3.5/8, 1C-1D, Northwestern Kashmir

Main table for 1548 with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include AAK Ala-Archa, TKM2 Tokmak 2, TKM1 Tokmak 1, KK31 Kurchatov Array, MKAR Makanchi Array, KURBB Kurchatov Arra, BVAR Borovoye Array, AKTO Aktyubinsk, ZALV Zalesovo Beam, SONMI Songino Array, CMAR Chiang Mai Arr, FINES FINES Array B, ARCES ARCESS Array B, HFS Hagfors, NOA NORSAR Array B, ILAR Eielson Array, YKA Yellowknife Ar.

AFAD 23 19:58:37.8,0.0,36.75N,42.66E, h7km, 2km, ML2.9

ISK 23 19:58:37.3,36.79N,42.67E, h5km, ML3.2/16

ISN 23 19:58:38.0,0.8,36.82N,42.68E, h15km, 5km, ML3.2

ISC 23 19:58:38.3,1.3,36.78N,0.03,42.63E,0.03, h2km, 1.1km, n20, c079/42, Iraq

Main table for 1548 with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MSL Mosul, SIRS Sirkak, SIRT Sirkak, CUKUR Cukurca, HAKT HAKKARI, MIDY Mardin/Midy, PERV Siirt/Pervari, SRTM Siirt_Merkze, BTM Batman, GEVA Gevas, GEVA Gevas.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AKDM Akdamar-Van, BLIS Bitlis-Merkez, SVAN Silvan-Diyarba, etc.

KRSC 23 20:00:11.9, 1.4, 54.78N, 164.52E, h48km, 31km, MI3.8, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BKI Bering, KBTR Krutoberegovo, KIRR Kirishevo, etc.

HEL 23 20:04:00.3, 0.1, 67.80N, 33.67E, h0km, ML1.5, Suspected explosion, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LVZ Lovozero, VRF Vario, RAJF Raja-Jooseppi, etc.

IDC 23 20:04:19.5, 0.8, 30.16N, 87.66E, h0km, mb3.8/13, mbmp3.8/16, ML3.8/3, MS2.5/1, Error ellipse: s-maj=29.8km s-min=15.4km az=55.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CMAR Chiang Mai Arr, AAK Ala-Archa, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BRTR Keskin Array B, ATD Arta Tunnel, AKASG Malin Array B, etc.

NOU 23 20:05:17.3, 33.82S, 178.32W, h183km, ML4.4/6, South of Kermadec Islands

WEL 23 20:05:29.4, 0.7, 34.5S, 177.9W, h170km, 20km, ML3.3/14, mb4.7/5, ML4.6/18, MLV4.4/14, Mw(mb)4.0/5, Error ellipse: s-maj=10.6km s-min=6.3km az=104.8, confirmed

ISC 23 20:05:26.0, 1.5, 34.26S, 0.07, 179.1W, 0.1, h150km, n41, i197/58, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MZX Matakaoa Point, WMX Matakaoa Point, HAZ The Kaha, etc.

IDC 23 20:10:03.6, 1.0, 54.81N, 164.42E, h0km, mb3.6/7, mbmp3.6/8, ML2.6/1, Error ellipse: s-maj=38.0km, s-min=19.2km az=158.0

KRSC 23 20:10:04.3, 1.1, 54.73N, 164.52E, h44km, 28km, MI3.8, ISC 23 20:10:05.9, 3.7, 54.81N, 0.05, 164.54E, 0.06, h16km, 24km, n33, i128/48, mb3.6/7, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BKI Bering, KBTR Krutoberegovo, KIRR Kirishevo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KURBB Kurchatov Arra, NVAR Mira Array B, NOA NORARS Array B, etc.

CRAAG 23 20:19:03.1, 36.20N, 1.83E, MI3.0, Algeria 06km SE Rouina

MDD 23 20:19:05.0, 0.6, 36.28N, 1.76E, h5km, 6km, Mb3.8/45, M_mb3.0/35, Error ellipse: s-maj=6.9km s-min=2.6km az=148.0

CNRM 23 20:19:06.3, 36.44N, 1.53E, h18km, ML2.9, ISC 23 20:19:04.3, 1.2, 36.37N, 0.05, 1.76E, 0.04, h16km, 10km, n53, i136/82, 23C, Northern Algeria

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like EARB Arib, EHRZ Djelida, EPHA Aich Chef, etc.

SKHL 23 20:23:40.7, 0.3, 42.00N, 146.20E, h32km, 7km, mb5.1/2

23d 20h

IDC 23 20:23:40.3:0.8, 42.18N:145.80E, h0km, mb3.9/19, mbmp3.9/21, ML3.4/2, MS4.2/1, Error ellipse: s-maj=18.7km s-min=16.5km az=103.0, JMA 23 20:23:42.0:0.2, 42.1N:0.6:14.6E, h53km,3km, MD4.2/38, MV4.1/38, OFF NEMURO PENINSULA MOS 23 20:23:43.0:1.1, 42.15N:145.72E, h32km, mb4.5/9, Error ellipse: s-maj=12.4km s-min=7.7km az=100.2, NEIC 23 20:23:46.4:1.8, 42.07N:0.09:145.7E:0.1, h49km, gkm, mb4.2/58, Error ellipse: s-maj=16.7km s-min=12.5km az=114.0

ISC 23 20:23:44.3:2.6, 42.19N:0.06:145.77E:0.06, h27km, 17km, n127, r15/12, mb4.2/55, 1D, Hokkaido region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data.

2018 DEC

Table with columns: B22K, Station Name, Time, Res, ISC. Lists seismic events with station codes and associated data.

1550

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists seismic stations and their recorded data.

23d 20h

Table with columns for station name, frequency, power, and other technical details. Includes stations like YAK Yakutsk, NRK Noril'sk, BELG Belgoyernoye, etc.

2018 DEC

Table with columns for station name, frequency, power, and other technical details. Includes stations like HARR Harsova, HORU Hrodok, VRI Vriocioia, etc.

1552

Table with columns for station name, frequency, power, and other technical details. Includes stations like HFS Hagfors, KSP Ksiab, DPC Dobruska-Polom, etc.

23d 22h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like 534M Telegraph Cree, KOTAN Kotaneleele Air, YKA Yellowknife Ar, T35M Bob Quinn, TOAD Toad River Com, TORO Torodi Ar. Bea, TORD Torodi Ar. Bea, TORD Torodi Ar. Bea, DBIC Dimbokro, QSPA South Pole Qui, TXAR Lajitas Array, BDFB Lajitas Array, ROSC El Rosal.

IDC 23 20:33:27.1±1.2, 50°23'N, 115°06'W, h0km, mbtmp3.0/3, ML3.4/2, Error ellipse: s-maj=20.8km s-min=7.8km az=116.0, British Columbia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NEW Newport, IS6US NEWPORT INFRAS, PKAR Pinedale Array, YKA Yellowknife Ar, YKA Yellowknife Ar.

SOME 23 20:36:35.1, 41°37'N, 79°12'E, h25km, KRNET 23 20:37:25.0±0.1, 42°76'N, 77°84'E, h20km, mb2.6

ISC 23 20:37:22.3±1.2, 42°86'N, 0°04'77.98E, h9km, 9km, n16, ±1566/27, 10C-12D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ANVS Anan'yev, PRZ Przhel'sk, MDOX Medeo, TNSS Tian-Shan, KDJ Kajisey, TARG Taragay, Kyrgy, MTBS Maitub, CHKK Chushkaly, ULHL Ulahol, BOOM Booms koye usch, TKM2 Tokmak 2, NRN Naryn, KBK Karagaybulak, CHMS Chumysy, USP Osenovka.

IDC 23 20:37:50.4±1.3, 37°72'N, 20°48'E, h0km, mb3.5/4, mbtmp3.4/7, ML3.6/2, Error ellipse: s-maj=28.1km s-min=21.1km az=139.0

THE 23 20:37:52.8, 37°64'N, 20°35'E, h9km, 1km, ML3.1/5, Error ellipse: s-maj=1.4km s-min=0.5km az=49.0

ATH 23 20:37:54.7, 37°75'N, 20°44'E, h16km, 6km, ML3.3/13, Manual Solution by A. Moschou First location: 2018/12/23 20:38:10, This location: 2019/01/24 08:39:22 ML

Amplitudes are expressed in micrometers. All distances are expressed in degrees Latitude uncertainty: 5 km; Longitude uncertainty: 5 km

ISC 23 20:37:53.1±1.3, 37°66'N, 0°04'20.38E, 0°05, h17km, 7km, n41, ±1501/60, mb3.4/4, Ionian Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ORTH Orthonies, Zaky, LTHK Lithakia, KYPS Kipseli, Zakin, PSDA Pessada-Kefalo, PSDA Pessada-Kefalo, RTZL Ratzakli, Kefa, VLS Valsamata, VLS Valsamata, DMLN Damoulianiata-K, DMLN Damoulianiata-K, DMLN Damoulianiata-K, SMHA Samh, CLEM Kytillini, Iliia, G, CLEM Fiskardo, FSK Fiskardo, RLS Riolos of Patr, RLS Riolos of Patr, EVGI Lefkada island, EVGI Lefkada island, NYDR Nydri-Lefkada, DRO Drossia, NKD Lefkada island, LK2D LK2D, TSLK Tsoukalades, L, TSLK Tsoukalades, L, TSLK Tsoukalades, L, PYL4 Pythagoras, L, PVO Paravola, PYL2 Kinigos, ITM Ithomi, PYL5 Pythagoras, EFF Efpalio, EFF Efpalio, KLV Kalavryta, Ach, ANX Ano Chora, ANX Ano Chora.

2018 DEC

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like AXAR Agios Charalam, TYRN Tyrnavos, IDI Anoyia, MLR Muntele Rosu, ESDC Somsaca Array, TORO Torodi Ar. Bea, KURBB Kurchatov Arra, MKAR Makanchi Array, ZALV Zalesovo Beam.

FUNV 23 21:25:39.4, 10°71'N, 62°36'W, h110km, MW3.3, TRN 23 21:25:40.7, 10°59'N, 62°45'W, h93km, MDO.0, Paria Peninsula

ISC 23 21:25:39.4±1.3, 10°51'N, 0°06'62.45W, 0°04, h100km, n9, ±1560/16, 2C-1D, Near coast of Venezuela

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TRN Trinidad (W), GRGR Grenville, PCRV Puerto La Cruz, PCRV Puerto La Cruz, MERV Las Mercedes, LUEV Luepa, CACV CAICARA DEL OR, CAUV El Baul, BAUV El Baul, BAUV El Baul.

IDC 23 21:28:08.8±1.1, 3°58'N, 122°52'E, h605km, 13km, mb3.2/14, mbtmp4.2/15, Error ellipse: s-maj=36.4km s-min=8.5km az=69.0

DJA 23 21:28:10.0±0.4, 3°1'N, 5°12'36"E, h573km, 4km, M4.3/19, mb4.4/14, mb4.8/7, MLV4.5/19, Mw(MB)4.0/7

ISC 23 21:28:08.2±0.5, 3°61'N, 0°06'122.6E, 0°1, h602km, n55, ±1366/66, mb3.8/14, Celebes Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TOLIJ Tolitoli, MRSI Marisa, KMSI Cibinong, MYLDM Lahad Datu, DAV Davao City (W), DAV Davao City (W), APSI Ampama, LUWI Luwuk, PCI Palu, TNTI Ternate, TNTI Ternate, SANI Sanana, SANI Sanana, TTSI Tana Toraja, BKB Balikpapan, BKS Sidrap Palu, NLAI Namlea, MSAI Masaelan, SBUM Sibul, FAKI Fak Fak, PLAI Plampang, PLAI Plampang, SOEI Soe, SOEI Soe, BATI Baumenta, BATI Baumenta, WRA Waramunga Arr, WRA Waramunga Arr, WRA Waramunga Arr, WRA Waramunga Arr, WRKA Warakata, QIS Mount Isa, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ASOI Alice Springs, MEOR Meekatharra, MEEK Morawa, COD Codrington, BLDU Balladonia, FORT Forrest, KMBL Kambalda, KLRB Kellerberrin, LCRK Leigh Creek, SONM Songo Array, SONM Songo Array.

1554

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like FINES FINESS Array B, INK Inuvik, HFS Hagfors, TORO Torodi Ar. Bea, TXAR Lajitas Array, TKL Tuckaleechee C.

IDC 23 21:32:37.4±1.7, 22°90'N, 143°33'E, h0km, mb3.5/5, mbtmp3.5/5, MS3.1/7, Error ellipse: s-maj=288.2km s-min=25.9km az=76.0, Volcano Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like USRK Ussuriysk Arr, WRA Waramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, KURBB Kurchatov Arra, BVAR Borovoye Array.

JMA 23 21:49:07.5±1.1, 45°N, 4°14'9"E, h30km, MV4.0/13, SE OFF ETOROFOU

SKHL 23 21:49:13.0±0.2, 44°40'N, 148°60'E, h51km, 5km, mb4.8/2, IDC 23 21:49:13.5±0.4, 44°78'N, 148°91'E, h64km, 4km, mb3.2/7, mbtmp3.5/8, ML3.4/1, Error ellipse: s-maj=34.4km s-min=33.1km az=2.0

ISC 23 21:49:10.3±0.9, 44°34'N, 0°07'48.96E, 0°09, h50km, n29, ±285/32, mb3.2/7, Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KUR Kuril'sk, KUR Kuril'sk, YUK Yuzh-Kuril'sk, YUK Yuzh-Kuril'sk, YUK Yuzh-Kuril'sk, NEM Nemuro, NMR Nemuro-Hokkai, JRA Rausu, JNK Nakash, AKK Akkeshi, JAK Akkeshi, JTKR Ashorobuto, JAR Ashorobuto, JOB Onbets, JCH Churui, ASAJ Asahikawa, JNBK Urakawa-nobuka, JNBK Urakawa-nobuka, JANG Nango, JTH Tanohata, H1N2 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, H1S1 WAKE ISLAND Hy, H1S3 WAKE ISLAND Hy, H1S2 WAKE ISLAND Hy, MKAR Makanchi Array, KURBB Kurchatov Arra, YKA Yellowknife Ar, ASAR Alice Springs, AKASO Malin Array Be, GERES GERES Array B, TXAR Lajitas Array.

NEIC 23 22:04:13.9±1.1, 44°93'N, 0°04'106.75W, 0°05, h0km, 2km, ML2.9/38, Error ellipse: s-maj=7.1km s-min=4.7km az=148.0

IDC 23 22:04:16.0±1.4, 44°94'N, 106°74'W, h0km, mbtmp3.2/2, ML2.9/2, Error ellipse: s-maj=56.3km s-min=10.1km az=137.0

ISC 23 22:04:14.6±1.0, 44°95'N, 0°05'106.74W, 0°05, h0km, n27, ±652/28, Wyoming

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like LAO LASA Array, LAO LASA Array, RLMT Red Lodge, RSSD Black Hills, GCMT Greycliff, K22A Casper, K22A Casper, YNE Yellowstone N, YNE Yellowstone N, YMP Mirror Lake Pi, YMP Mirror Lake Pi, H17A Grant Village, H17A Grant Village, YNR Norris Junction, YNR Norris Junction.

Table with columns: YNR, comp, N, Az, Pn, Res, Time, Res, ISC. Includes stations like Holmes Hill, Pinedale Array, Boulder Array, Madison River, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Malaga-Limoner, Sierra Gorda, Espera, Jimena Fronter, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Hydra, Voula, Athens, KKRANDI, etc.

SKHL 23:22:05.34.7.0.1, 43.90N, 147.00E, h57km, 2km, mb3.8/2 JMA 23:22:05.09.4.0.8.45 N, 14.4 19.9 E, h30km, MV4.1/13, SE

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like YUK, NEMZ, NMR, JRA, JNK, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like PBAR, EGRO, PVAQ, GOG, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like MHLO, DION, TNSA, MNVA, etc.

RSNC 23:22:06.31.4.0.0.7 N, 1.7 7.3 W, h146km, 2km, M2.4, mb3.8, ML2.1, Northern Colombia

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like BARC, BRJC, PAMC, RUSC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like PESTR, AKL, EVO, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like APE, KYMI, SAP3, etc.

CNRN 23:22:07.18.2.36.63N, 5.53W, h24km SFS 23:22:07.23.7.37.03N, 4.89W, h17km, ML2.2/15, ML2.5/12, ML2.0/15

ISK 23:22:34:08.3.37.39N:23:96E, h5km, ML3.8/24 IDC 23:22:34:08.4.0.7.37.32N:23:88E, h8km, mb3.9/13, mtbpm3.9/19, ML1.9/3, MS3.0/5, Error ellipse: s-maj=15.0km s-min=13.7km az=144.0

MAKR Makrakomi, Fth 2.22 320 P Pn 23:34 48.5 +1.3 SGM Sinos 2.32 30 P Pn 23:34 48.6 +0.2 UURL Izmir 2.32 63 Pn Pn 23:34 48.7 +0.1 EVR Erytria 2.33 314 P Pn 23:34 48.0 +2.3

23d 23h

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like TMBK, SGR, GVD, PAIG, etc.

2018 DEC

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

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Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like H04N2, H04N1, H04N3, etc.

Table with columns for station name, location, coordinates, and other technical details. Includes stations like BATI Baumata, SWI Sorong, KMPI Kaimana, etc.

NOU 23 23:08:37.1, 20:30S; 175:35W, h54km, ML6.3/191, Tonga Islands
BJI 23 23:08:39.0, 20:26S; 175:14W, h100km, mb5.6/85, mb6.4/83
IPGP 23 23:08:40.0, 20:38S; 175:09W, h116km, Mw6.4, Fault plane solution: NP1=358.00000°, 88.40000°, λ-106.00000°.

NEIC 23 23:08:43.4, 1.8, 20:29S; 0:08-175:07W:0.07, h113km, 1km mb5.9/791, Mw6.6/4100, Mw6.6/434, Error ellipse: s-maj=12.9km s-min=10.9km az=166.0, Moment Tensor Solution. Moment tensor: Scale 10^18Nm; Mn-0.55; Mw-0.53; Ms1.08; Mo0.47; Ms1.53; Mr-5.14; Fault plane solution: Ms5.47000x10^18 NP1: 0.354.62000°, 88.642000°, λ-117.53000°. NP2: 0.253.44000°, 81.788000°, λ-11.73000°. Principal axes: T 5.5938, Plg99.0000°, Azm101.0000°; N -0.2673, Plg17.0000°, Azm356.0000°; P -5.3266, Plg46.0000°, Azm27.0000°.

Table with columns for Code, Station Name, Azimuth, Phase, ISC, Time, Res, and other technical details. Includes stations like NIUE Niue, MSFU Fugatoga, etc.

Table with columns for Code, Station Name, Azimuth, Phase, ISC, Time, Res, and other technical details. Includes stations like RAO Raoul Island, RAR Rarotonga, etc.

Table with columns for station name, location, coordinates, and other technical details. Includes stations like WAZ Wanganui, WAZ Birch Farm, etc.

Table with columns for station name, location, coordinates, and other technical details. Includes stations like WAZ Wanganui, WAZ Birch Farm, etc.

23d 23h

2018 DEC

1558

Table with columns: Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like CAN Canberra, CAN Young, AUS Snowy Mountain, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like HMH Humu'ula Sheep, POHA Pohakuloa, HPAH Hawaii Prepara, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like VVDA Vanda, VVDA Vanda, VVDA Vanda, etc.

23d 23h

Table with columns for station name, frequency, power, and signal strength. Includes stations like PAHR, WCT, INCN, OHAK, R18K, L14K, etc.

2018 DEC

Table with columns for station name, frequency, power, and signal strength. Includes stations like TUC, O16K, PINE, HKPS, HKPS, Q20K, Q19K, etc.

1560

Table with columns for station name, frequency, power, and signal strength. Includes stations like J08A, L14K, L14K, O19K, O19K, O19K, etc.

1565

Table with columns for ID, Name, Date, Time, Location, and various numerical values. Includes entries like F28M Old Crow, F28M Old Crow, F28M Old Crow, etc.

2018 DEC

Table with columns for ID, Name, Date, Time, Location, and various numerical values. Includes entries like CD2, CD2, CD2, etc.

23d 23h

Table with columns for ID, Name, Date, Time, Location, and various numerical values. Includes entries like X40A Basin Creek Fa, YKA Yellowknife Ar, YKA Yellowknife Ar, etc.

23d 3H

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like H41A, CZSB, KOHI, LPAZ, etc.

2018 DEC

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like KSH, ULHL, SCHO, BDFB, etc.

1566

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like LOF, STEI, ARQ, SOHO, etc.

KONO	Kongsberg	140.61 356	ePKPdf	PKPpre	23 27 51.3	STNC	Stoke	146.90 8	eP	PKPbc	23 28 11.8 +0.6	MAUC	Bummas	149.24 343	ePKPDF	PKPdf	23 28 14.1 +0.8	
KONO	KONO		eSS	SS	23 29 13.2 -0.4	KMPD	K-Podol'skiy	146.90 333	P	PKPdf	23 28 10.1 +0.7	MAUC	MAUC		ePKP	PKPdf	23 28 19.0 +1.4	
KONO	Kongsberg	140.61 356	lPKHKP	PKPpre	23 27 51.2	LLW	Llanuwchllyn	146.93 9	eP	PKPdf	23 28 11.2 +1.9	TGMR	Targu Mures	149.31 333	P	PKPdf	23 28 15.7 +2.3	
GNI	Garni	140.65 309	PKPdf	PKPdf	23 28 00.7 +1.7	PAOL	Agualva, Azore	146.94 49	ePKPdf	pPKIP	23 28 09.2 +5.0	MANR	Mangalia	149.32 325	P	PKPdf	23 28 16.4 +2.9	
GNI	Garni	140.65 309	PKPdf	PKPpre	23 27 50.1	FOEL	Foel Wylla	146.96 9	eP	PKPbc	23 28 11.4 +0.0	NEHR	Nehou	149.35 330	P	PKPdf	23 28 15.0 +1.5	
GNI	Garni	140.65 309	PKPdf	PKPdf	23 28 01.2 +2.2	OWP	Kawaria Pacla	147.00 329	P	PKPdf	23 28 11.8 +2.2	DOPE	Dopca	149.36 331	P	PKPdf	23 28 14.7 +1.1	
GNI	Garni	140.65 309	PKPdf	PKPdf	23 28 01.1 +2.2	KIS	Kishinev	147.00 329	PKP2	PKPdf	23 28 11.8 +2.2	AMRR	Amara	149.43 327	P	PKPbc	23 28 18.7 +0.6	
comp-Z,110nm,1.7s						SRR	Serra do Cume	147.02 49	ePKPdf	pPKIP	23 28 08.4 +2.4	AMRR	Amara	149.43 327	PKP2	PKPbc	23 28 18.7 +0.6	
KBZ	Khabaz	140.66 315	PKHkP	PKPpre	23 27 52.9	MLM	Milestii Mici	147.06 329	PKP2	PKPdf	23 28 10.9 +1.2	PRU	Pruhonice	149.44 348	ePKPDF	PKPdf	23 28 13.9 +0.4	
comp-Z,9.5nm,0.9s,ba=152,slow=0.9,SNR=12						MLM	Milestii Mici	147.06 329	PKP2	PKPdf	23 28 10.9 +1.2	PRU	PRU		ePKP	PKPbc	23 28 18.6 +0.6	
KBZ	Khabaz	140.66 315	PKHKP	PKKIP	23 28 02.0 +0.8	MBAR	Mbarara	147.12 234	P	PKPdf	23 28 10.9 -0.2	PRU	Pruhonice	149.44 348	ePKHKP	x	PKPpre	23 28 16.8 +0.6
KIV	Kislovodsk	140.70 316	PKPdf	PKPpre	23 27 54.5	MBAR	Mbarara	147.12 234	dPKP2	PKPbc	23 28 10.9 -0.2	PRU	PRU		ePKP	PKPbc	23 28 16.8 +0.6	
KIV	Kislovodsk	140.70 316	PKPdf	PKPdf	23 27 49.3	BZK	Bozkurt	147.26 318	P	PKPdf	23 28 09.4 -0.7	ISR	Istrita	149.45 329	P	PKPdf	23 28 16.8 +3.1	
KIV	Kislovodsk	140.70 316	PKPdf	PKPdf	23 27 54.3 -4.5	HLM1	Long Mynd	147.37 9	eP	PKPdf	23 28 11.4 +1.3	ISR	Istrita	149.45 329	PKP2	PKPdf	23 28 16.8 +3.1	
KIV	Kislovodsk	140.70 316	PKPdf	PKPpre	23 27 54.5	IASR	Isasi	147.46 331	P	PKPdf	23 28 12.1 +1.7	ISR	Istrita	149.45 329	P	PKPdf	23 28 15.2 +1.4	
KIV	Kislovodsk	140.70 316	PKPdf	PKPpre	23 27 48.4	KWP	Kawaria Pacla	147.49 338	eP	PKPdf	23 28 11.8 +2.2	GOPC	GO Pecny, Ondr	149.46 347	ePKPDF	PKPpre	23 28 14.0 +0.4	
KIV	Kislovodsk	140.70 316	PKPdf	PKPpre	23 27 59.5	RSSB	Roesebush, Pemb	147.61 31	eP	PKPbc	23 28 13.1 -0.2	GOPC	GO Pecny, Ondr	149.46 347	ePKHKP	PKPpre	23 28 14.0 +0.4	
KIV	Kislovodsk	140.70 316	PKPdf	PKPpre	23 30 59.1	MCHT	Michaelchurch	147.86 9	eP	PKPdf	23 28 12.7 +1.9	MESR	Messenis	149.46 335	P	PKPdf	23 28 15.1 +1.5	
KIV	Kislovodsk	140.70 316	PKPdf	PKPpre	23 29 19.3 +2.5	OJC	Ojcow	147.91 342	eP	PKPdf	23 28 10.8 -0.3	MLR	Muntele Rosu	149.47 330	P	PKPdf	23 28 14.0 +0.1	
KIV	Kislovodsk	140.70 316	PKPdf	PKPpre	23 34 36.0	OJC	Ojcow	147.91 342	P	PKPdf	23 28 10.8 -0.3	MLR	Muntele Rosu	149.47 330	PKHKP	PKPpre	23 28 14.0 +0.1	
comp-Z,45nm,1.1s						PRAC	Riasca	147.93 332	P	PKPdf	23 28 12.9 +1.8	MLR	Muntele Rosu	149.47 330	P	PKPdf	23 28 15.0 +1.1	
BLSS	Blasjo	140.97 359	ePKPdf	PKPpre	23 27 52.4	MONM	Monmouth	148.23 328	ePKP	PKPdf	23 28 12.8 +1.2	BHL	Bhammas	149.51 303	eP	PKPdf	23 28 13.7 +0.5	
BLSS	BLSS		eSS	SS	23 29 20.2 +2.4	BIR	Birlad	148.10 329	P	PKPbc	23 28 15.4 +0.6	CBBR	Cluj-Babes-Bol	149.53 334	P	PKPdf	23 28 14.8 +1.1	
KMY	Karmoy	141.20 360	ePKPdf	PKPpre	23 27 52.5	BIR	Birlad	148.10 329	PKP2	PKPbc	23 28 15.4 +0.6	ICOR	Ion Corvin	149.53 326	P	PKPdf	23 28 15.7 +1.9	
KMY	Karmoy	141.20 360	ePKPdf	PKPpre	23 27 52.5	BURAR	Bucovina Array	148.16 333	P	PKPdf	23 28 13.6 +1.9	CJR	Cluj-Napoca	149.55 334	P	PKPdf	23 28 16.1 +2.2	
KMY	Karmoy	141.20 360	ePKPdf	PKPpre	23 27 52.5	BURAR	Bucovina Array	148.16 333	PKP2	PKPdf	23 28 13.6 +1.9	CJR	Cluj-Napoca	149.55 334	PKHKP	PKPpre	23 28 16.1 +2.2	
ERBR	Erbrum	141.31 319	PKHKP	PKPpre	23 28 26.9	STHS	Stebnicka Huta	148.17 339	ePKHKP	PKPdf	23 28 12.2 +0.7	KKC	Kocuy Kostel	149.56 350	ePKPDF	PKPbc	23 28 14.6 +0.8	
ERBR	Erbrum	141.31 319	PKHKP	PKPpre	23 28 26.9	STHS	Stebnicka Huta	148.17 339	ePKP	PKPdf	23 28 12.2 +0.7	KKC	Kocuy Kostel	149.56 350	ePKHKP	PKPpre	23 28 14.6 +0.8	
comp-N,38nm,1.0s						STHS	Stebnicka Huta	148.17 339	ePKP	PKPdf	23 28 12.2 +0.7	KKC	Kocuy Kostel	149.56 350	ePKHKP	PKPpre	23 28 14.6 +0.8	
comp-Z,189nm,1.0s						YLDR	Vladesti	148.18 328	P	PKPdf	23 28 15.9	VRAC	Vranov	149.61 345	ePKP	PKPdf	23 28 19.5	
ERBR	Erbrum	141.31 319	PKHKP	PKPpre	23 27 54.7	STRD	Stroud	148.19 8	eP	PKPdf	23 28 13.6 +2.0	VRAC	Vranov	149.61 345	ePKP	PKPdf	23 28 19.5	
comp-E,12nm,0.6s						STRD	Stroud	148.19 8	eP	PKPdf	23 28 13.6 +2.0	VRAC	Vranov	149.61 345	ePKP	PKPdf	23 28 19.5	
BIGH	Upper Bighouse	141.40 7	eP	PKPpre	23 27 54.7	KOLS	Kolonice sedl	148.23 338	ePKHKP	PKPdf	23 28 14.3 -0.5	VRAC	Vranov	149.61 345	ePKP	PKPdf	23 28 19.5	
Upper Bighouse	Milnsk	141.66 338	PKHKP	PKPdf	23 27 56.6 -3.5	KOLS	Kolonice sedl	148.23 338	ePKP	PKPdf	23 28 12.8 +1.2	VRAC	Vranov	149.61 345	ePKP	PKPdf	23 28 15.5 +1.7	
MNK	MNK		i		23 28 23.7	VARL	Varlez	148.25 329	P	PKPdf	23 28 14.0 +2.3	VRAC	Vranov	149.61 345	PKHKP	PKPpre	23 28 15.5	
MNK	MNK		i		23 30 59.9	KSP	Ksiaz	148.26 346	eP	PKPdf	23 28 11.8 +0.3	BEBN	Eben Emael	149.63 359	dPKPdf	PKPbc	23 28 13.9 +0.1	
MNK	MNK		i		23 35 01.1	TLCR	Tlor	148.27 327	PKP2	PKPdf	23 28 11.9 +0.3	BEBN	Eben Emael	149.63 359	dPKP	PKPbc	23 28 13.9 +0.1	
MNK	MNK		i/SS	SS	23 49 18.4 -7.9	TLOR	Tlor	148.27 327	PKP2	PKPdf	23 28 14.2 +2.5	UCC	Uccle	149.63 1	dPKPdf	PKPbc	23 28 18.4 -0.1	
comp-N,7.0nm,0.8s						TATR	Tatarca	148.37 328	P	PKPdf	23 28 12.2 +0.7	MDB	Medias	149.68 332	PKP2	PKPbc	23 28 15.2 +1.5	
comp-Z,84nm,0.8s						CLL	Colim	148.38 350	PKIKP	PKPdf	23 28 13.2 +1.4	MDB	Medias	149.68 332	PKP2	PKPbc	23 28 15.2 +1.5	
MNK	MNK		PKPpre	PKPpre	23 28 13.4 +1.6	CLL	Colim	148.38 350	PKIKP	PKPdf	23 28 13.2 +1.4	MDB	Medias	149.68 332	PKP2	PKPbc	23 28 15.2 +1.5	
comp-E,26nm,0.9s						CLL	Colim	148.38 350	PKIKP	PKPdf	23 28 13.2 +1.4	MDB	Medias	149.68 332	PKP2	PKPbc	23 28 15.2 +1.5	
LABN	Labinsk	141.67 317	PKHKP	PKPpre	23 27 54.7	CLL	Colim	148.38 350	PKIKP	PKPdf	23 28 13.2 +1.4	MDB	Medias	149.68 332	PKP2	PKPbc	23 28 15.2 +1.5	
LABN	Labinsk	141.67 317	PKHKP	PKPpre	23 27 54.7	CLL	Colim	148.38 350	PKIKP	PKPdf	23 28 13.2 +1.4	MDB	Medias	149.68 332	PKP2	PKPbc	23 28 15.2 +1.5	
LABN	Labinsk	141.67 317	PKHKP	PKPpre	23 27 54.7	CLL	Colim	148.38 350	PKIKP	PKPdf	23 28 13.2 +1.4	MDB	Medias	149.68 332	PKP2	PKPbc	23 28 15.2 +1.5	
KMBO	Kilima Mbogo	141.67 240	PKPpre	PKPpre	23 27 57.0	NIE	Niedzica	148.45 350	P	PKPdf	23 28 17.3	YVHS	Vyhne	149.74 341	ePKP	PKPdf	23 28 21.0	
KMBO	Kilima Mbogo	141.67 240	PKPpre	PKPpre	23 27 55.1	NIE	Niedzica	148.45 350	eP	PKPdf	23 28 12.6 +0.6	YVHS	Vyhne	149.74 341	ePKP	PKPdf	23 28 21.0	
KMBO	Kilima Mbogo	141.67 240	PKPpre	PKPpre	23 27 57.1	NIE	Niedzica	148.45 350	eP	PKPdf	23 28 12.6 +0.6	YVHS	Vyhne	149.74 341	ePKP	PKPdf	23 28 21.0	
KMBO	Kilima Mbogo	141.67 240	PKPpre	PKPpre	23 27 57.1	NIE	Niedzica	148.45 350	eP	PKPdf	23 28 12.6 +0.6	YVHS	Vyhne	149.74 341	ePKP	PKPdf	23 28 21.0	
KMBO	Kilima Mbogo	141.67 240	PKPpre	PKPpre	23 27 57.1	NIE	Niedzica	148.45 350	eP	PKPdf	23 28 12.6 +0.6	YVHS	Vyhne	149.74 341	ePKP	PKPdf	23 28 21.0	
KMBO	Kilima Mbogo	141.67 240	PKPpre	PKPpre	23 27 57.1	NIE	Niedzica	148.45 350	eP	PKPdf	23 28 12.6 +0.6	YVHS	Vyhne	149.74 341	ePKP	PKPdf	23 28 21.0	
KMBO	Kilima Mbogo	141.67 240	PKPpre	PKPpre	23 27 57.1	NIE	Niedzica	148.45 350	eP	PKPdf	23 28 12.6 +0.6	YVHS	Vyhne	149.74 341	ePKP	PKPdf	23 28 21.0	
KMBO	Kilima Mbogo	141.67 240	PKPpre	PKPpre	23 27 57.1	NIE	Niedzica	148.45 350	eP	PKPdf	23 28 12.6 +0.6	YVHS	Vyhne	149.74 341	ePKP	PKPdf	23 28 21.0	
KMBO	Kilima Mbogo	141.67 240	PKPpre	PKPpre	23 27 57.1	NIE	Niedzica	148.45 350	eP	PKPdf	23 28 12.6 +0.6	YVHS	Vyhne	149.74 341	ePKP	PKPdf	23 28 21.0	
KMBO	Kilima Mbogo	141.67 240	PKPpre	PKPpre	23 27 57.1	NIE	Niedzica	148.45 350	eP	PKPdf	23 28 12.6 +0.6	YVHS	Vyhne	149.74 341	ePKP	PKPdf	23 28 21.0	
KMBO	Kilima Mbogo	141.67 240	PKPpre	PKPpre	23 27 57.1	NIE	Niedzica	148.45 350	eP	PKPdf	23 28 12.6 +0.6	YVHS	Vyhne	149.74 341	ePKP	PKPdf	23 28 21.0	
KMBO	Kilima Mbogo	141.67 240	PKPpre	PKPpre	23 27 57.1	NIE	Niedzica	148.45 350	eP	PKPdf	23 28 12.6 +0.6	YVHS	Vyhne	149.74 341	ePKP	PKPdf	23 28 21.0	
KMBO	Kilima Mbogo	141.67 240	PKPpre	PKPpre	23 27 57.1	NIE	Niedzica	148.45 350	eP	PKPdf	23 28 12.6 +0.6	YVHS	Vyhne	149.74 341	ePKP	PKPdf	23 28 21.0	
KMBO	Kilima Mbogo	141.67 240	PKPpre	PKPpre	23 27 57.1	NIE	Niedzica	148.45 350	eP	PKPdf	23 28 12.6 +0.6	YVHS	Vyhne	149.74 341	ePKP	PKPdf	23 28 21.0	
KMBO	Kilima Mbogo	141.67 240	PKPpre	PKPpre	23 27 57.1	NIE	Niedzica	148.45 350	eP	PKPdf	23 28 12.6 +0.6	YVHS	Vyhne	149.74 341	ePKP	PKPdf	23 28 21.0	
KMBO	Kilima Mbogo	141.67 240	PKPpre	PKPpre	23 27 57.1	NIE	Niedzica	148.45 350	eP	PKPdf	23 28 12.6 +0.6	YVHS	Vyhne	149.74 341	ePKP	PKPdf	23 28 21.0	
KMBO	Kilima Mbogo	141.67 240	PKPpre	PKPpre	23 27 57.1	NIE	Niedzica	148.45 350	eP	PKPdf	23 28 12.6 +0.6	YVHS	Vyhne	149.74 341	ePKP	PKPdf	23 28 21.0	
KMBO	Kilima Mbogo	141.67 240	PKPpre	PKPpre	23 27 57.1	NIE	Niedzica	148.45 350	eP	PKPdf	23 28 12.6 +0.6	YVHS	Vyhne	149.74 341	ePKP	PKPdf	23 28 21.0	
KMBO	Kilima Mbogo	141.67 240	PKPpre	PKPpre	23 27 57.1	NIE	Niedzica	148.45 350	eP	PKPdf	23 28 12.6 +0.6	YVHS	Vyhne	149.74 341	ePKP	PKPdf	23 28 21.0	
KMBO	Kilima Mbogo	141.67 240	PKPpre	PKPpre	23 27 57.1	NIE	Niedzica	148.45 350	eP	PKPdf	23 28 12.6 +0.6	YVHS	Vyhne	149.74 341	ePKP	PKPdf	23 28 21.0	
KMBO	Kilima Mbogo	141.67 240	PKPpre	PKPpre	23 27 57.1	NIE	Niedzica	148.45 350	eP	PKPdf	23 28 12.6 +0.6	YVHS	Vyhne	149.74 341	ePKP	PKPdf	23 28 21.0	
KMBO	Kilima Mbogo	141.67 240	PKPpre	PKPpre	23													

JHRM	Jahrom	2.50 143	Pn	Pb	23 45 26.0 -1.8
IKLH	Kolahrood	2.80 355	Pn	Pb	23 45 30.6 -2.3
QAMS	Qamsar	3.23 353	Pn	Pb	23 45 37.2 -3.2
IBAF	Bafq	3.33 71	Pn	Pb	23 45 38.5 -3.5
KBD	Kabd	3.88 251	P	Sn	23 45 42.0 -0.5
KBL	Kabl	23 45 43.9	-3.4	Sn	23 45 43.9 -3.4
KHGB	Koh Gabri	3.97 91	Pn	Pn	23 45 47.1 +3.2
ZRDN	Zarand Kerman	4.03 83	Pn	Pn	23 45 48.0 +3.3
BDRS	Dareh Seyedi	4.26 324	Pn	Pn	23 45 49.7 +1.7
NGRK	Negar Kerman	4.29 101	Pn	Pn	23 45 52.2 +3.7
IQOM	Qom	4.35 517	Pn	Pn	23 45 51.7 +2.4
SHMA	AI-Shehemia	4.72 190	P	Pn	23 45 57.0 +2.9
SNR=16					
SHMA			S	Sn	23 46 51.3 +2.4
TPRV	Parvadeh(Tabas	4.79 57	Pn	Pn	23 45 58.9 +3.8
TRNA	Turayna	5.80 186	P	Pn	23 46 11.0 +2.2
SNR=15					
TRNA			S	Sn	23 47 17.1 +1.6
SMRA	Abu-Samra	5.83 190	P	Pn	23 46 11.7 +2.3
SMRA			S	Sn	23 47 18.7 +2.3
SNR=5.1					
UMQ	Umm Al-Quwin	6.00 145	P	Pn	23 46 13.9 +2.4
BANOM	Banah	6.01 139	P	Pn	23 46 12.8 +1.0
BANOM	Banah	6.01 139	P	Pn	23 46 14.1 +2.2
BANOM			S	Sn	23 47 19.9 +1.1
TAPT	Tabas- Taped t	6.21 44	Pn	Pn	23 46 18.1 +3.4
IBASF	Masafi	6.38 143	P	Pn	23 46 18.1 +3.4
MASF			S	Sn	23 47 32.3 +2.5
MSFE	Esma-Masafi	6.38 143	P	Pn	23 46 17.4 +0.4
SLWR	Sila	6.43 182	P	Pn	23 46 20.0 +2.5
SLWR			S	Sn	23 47 32.0 +0.9
SLWR			S	Sn	23 46 20.0 +2.2
SLWR			S	Sn	23 46 20.0 +2.2
NAZ	Nazwa, Dubai	6.45 148	P	Pn	23 46 20.0 +2.2
NAZ	Nazwa, Dubai	6.45 148	P	Pn	23 46 20.0 +2.2
NAZ			S	Sn	23 47 33.0 +1.5
MDH	Madha	6.51 142	P	Pn	23 46 18.9 +0.3
MDH	Madha	6.51 142	P	Pn	23 46 20.0 +2.2
MDH			S	Sn	23 47 34.9 +2.0
GHWR	Ruwaiz	6.60 172	P	Pn	23 46 21.5 +1.7
GHWR			S	Sn	23 47 36.1 +2.2
ASUD	AI Ashush, Dub	6.62 152	P	Pn	23 46 23.0 +2.8
SNR=8.1					
ASUD			S	Sn	23 47 37.2 +1.4
UOSS	Minazif	6.75 144	Pn	Pn	23 46 15.0 +0.9
UOSS			S	Sn	23 47 31.4 -7.5
UOSS	Minazif	6.75 144	P	Pn	23 46 23.8 +1.9
HATD	Hatta, Dubai	6.81 145	P	Pn	23 46 24.8 +1.6
HATD	Hatta, Dubai	6.81 145	P	Pn	23 46 24.8 +1.9
HATD			S	Sn	23 46 24.8 +1.9
HATD			S	Sn	23 46 24.8 +1.9
HATD			S	Sn	23 47 39.9 -0.6
ASHO	Ashiyah	6.90 147	P	Pn	23 46 25.4 +1.4
ASHO			S	Sn	23 47 38.2 -4.4
ASHO	Ashiyah	6.90 147	P	Pn	23 46 26.0 +2.0
SNR=20					
JASK	Jask - Hormozg	7.03 130	P	Pn	23 46 26.3 +0.6
JASK			S	Sn	23 47 47.5 +1.8
ALNE	AI Ain	7.30 151	P	Pn	23 46 30.5 +0.9
ALNE	AI Ain	7.30 151	P	Pn	23 46 30.8 +1.2
ALNE			S	Sn	23 47 51.7 -0.9
SOHO	SOHO	7.59 146	P	Pn	23 46 34.5 +1.0
SOHO			S	Sn	23 47 58.9 -0.7
MZR	Muzera	7.63 169	P	Pn	23 46 35.3 +1.3
MZR	Muzera	7.63 169	P	Pn	23 46 35.9 +1.9
ARQ	Araqi	8.27 149	P	Pn	23 46 44.0 +2.0
SNR=8.9					
ARQ			S	Sn	23 48 14.6 -1.8
RAYN	Ar Rayn	9.00 221	P	Pn	23 46 52.1 -0.7
RAYN	Ar Rayn	9.00 221	P	Pn	23 46 52.5 -0.4
RAYN	Ar Rayn	9.00 221	P	Pn	23 46 52.6 -0.2
BSY	Bisyra	9.09 147	P	Pn	23 46 56.2 +2.1
SMAD	Samad	9.25 142	P	Pn	23 46 58.1 +1.7
SMDO			S	Sn	23 46 58.2
NGCH	Negor - Chabah	9.66 120	P	Pn	23 47 02.9 +1.0
SNR=15					
JMDO	Jabal Madar	9.85 144	P	Pn	23 47 06.0 +1.5
WBK	Wadi Bani Khal	10.11 140	P	Pn	23 47 09.6 +1.5
SIRD	Sirnak	10.98 314	P	Pn	23 49 10.9 +0.3
JRLN	Jalan Bani Bush	10.72 139	P	Pn	23 47 17.3 +0.8
MHTO	MHTO	10.96 149	P	Pn	23 47 19.8 +0.1
DOK	Doka	12.03 170	P	Pn	23 47 35.4 +1.1
WHFO	Wadi Hawf	12.67 172	P	Pn	23 47 44.0 +0.9
SNR=7.2					
MMAI	Mount Meron Ar	14.24 284	P	Pn	23 48 09.1 -2.9
1.5nm,0.7s,baz=9,slow=16,SNR=1.0					
KBZ	Khabaz	14.99 334	P	Pn	23 48 23.6 +3.5
0.1nm,0.3s,baz=151,slow=3.2,SNR=1.5					
3.1nm,0.3s					
KVL	Kabul	15.01 70	P	Pn	23 48 09.7 -5.5
KIV	Kislovodsk	15.26 334	Iamb	Iamb	23 48 22.4 -0.8
KIV			Iamb	Iamb	23 48 28.4
BR131	Keskin Array S	17.50 307	Iamb	Iamb	23 48 49.3 +1.1
BR131			Iamb	Iamb	23 48 56.8
comp=Z,1.1nm,0.9s					
BRTR	Keskin Array B	17.50 307	P	P	23 48 50.8 +2.6
baz=12.4,slow=12,SNR=7.5					
comp=Z,1.2nm,0.8s					
MANT	Manisa	20.77 299	Pn	Iamb	23 49 26.5 0.0
MANT			Iamb	Iamb	23 49 28.8 0.0
comp=Z,10nm,0.8s					
BVAR	Borovoye Array	26.23 26	P	P	23 50 20.3 +2.6
comp=Z,0.6nm,0.7s,baz=224,slow=8.1,SNR=3.3					
AKASG	Malin Array Be	26.31 326	P	P	23 50 22.6 +4.1
comp=Z,0.9nm,0.7s					
comp=Z,0.9nm,0.7s,baz=134,slow=9.5,SNR=6.0					
FINES	FINES Array B	35.27 339	P	P	23 51 41.4 +4.0
comp=Z,2.8nm,1.0s,baz=139,slow=6.9,SNR=4.2					
comp=Z,2.8nm,1.0s					
PALK	Pallekele	35.55 125	LR	LR	00 06 54.4
comp=Z,1.7nm,0.4s,baz=118,slow=38					
TORD	Torodi Ar, Bea	49.28 261	P	P	23 53 32.6 +0.6
comp=Z,0.4nm,0.4s,baz=339,slow=8.2,SNR=6.2					
comp=Z,0.4nm,0.4s					
JMIC	Jan Mayen	51.89 339	LR	LR	00 17 15.6
comp=Z,7.69nm,22.0s,baz=315,slow=37					

BZWR	Bezymyanni-We	2.64 305	Pn	Pn	23 52 58.8 -1.3
KMNR	Kamenistaya	2.67 299	eP	Pn	23 52 59.1 -1.3
KMNR	Kamenistaya	2.67 299	Pn	Pn	23 52 59.1 -1.3
KIRR	Kirishev	2.71 304	eP	Pn	23 52 60.0 -1.1
KIRR	Kirishev	2.71 304	eP	Pn	23 52 59.9 -1.1
KRSR	Krestovskiy	2.75 310	eS	Pn	23 53 02.0 -2.1
KRSR			Sn	Sn	23 53 32.1 -1.7
KRSR	Krestovskiy	2.75 310	Pn	Pn	23 52 59.5 -2.1
KRSR			S	Sn	23 53 32.1 -1.7
KLY	Klyuchi	2.77 312	eS	Pn	23 52 58.7 -3.1
KLY			S	Sn	23 53 31.0 -3.2
KLY	Klyuchi	2.77 312	Pn	Pn	23 53 30.9 -3.2
KLY			S	Sn	23 53 00.7 -1.2
KPT	Kopyto	2.78 303	eP	Pn	23 53 00.7 -1.2
KPT	Kopyto	2.78 303	Pn	Pn	23 53 02.1 -1.8
KII	Karymskiy	2.92 262	eP	Pn	23 53 02.0 -1.8
KII			S	Sn	23 53 01.0 -3.1
SPN	Mys Shipunski	2.94 243	eS	Pn	23 53 34.2 -4.1
SPN			S	Sn	23 53 00.9 -3.1
SPN			S	Sn	23 53 34.1 -4.1
KOZ	Kozyrevsk	2.99 303	eP	Pn	23 53 04.1 -0.8
KOZ			S	Sn	23 53 04.0 -0.8
SMAR	Somma	3.52 251	eP	Pn	23 53 10.3 -2.0
SMAR	Somma	3.52 251	Pn	Pn	23 53 10.2 -2.0
UGLR	Uglovaya	3.53 250	eP	Pn	23 53 10.5 -1.8
UGLR	Uglovaya	3.53 250	eP	Pn	23 53 10.5 -1.8
ESO	Esso	3.53 256	eP	Pn	23 53 10.5 -1.7
ESO			S	Sn	23 53 10.5 -1.7
KRER	Koryakskii	3.53 252	eP	Pn	23 53 10.8 -1.7
KRER			S	Sn	23 53 51.2 -2.0
KRER	Koryakskii	3.53 252	Pn	Pn	23 53 10.7 -1.7
KRER			S	Sn	23 53 51.1 -2.0
AVH	Avacha	3.55 252	eS	Pn	23 53 11.1 -1.5
AVH			S	Sn	23 53 52.3 -1.3
AVH	Avacha	3.55 252	Pn	Pn	23 53 11.0 -1.5
AVH			S	Sn	23 53 52.2 -1.3
KRX	Arik	3.57 253	eP	Pn	23 53 11.2 -1.7
KRX			S	Sn	23 53 51.1 -2.9
KRX	Arik	3.57 253	Pn	Pn	23 53 11.1 -1.7
KRX			S	Sn	23 53 51.1 -2.9
KOK	Koryaka	3.60 252	eP	Pn	23 53 11.5 -1.7
KOK			S	Sn	23 53 52.9 -1.8
KOK	Koryaka	3.60 252	Pn	Pn	23 53 11.5 -1.7
KOK			S	Sn	23 53 52.9 -1.8
DALK	Dalny	3.64 248	eS	Pn	23 53 51.8 -3.8
DALK			S	Sn	23 53 11.0 -2.0
DALK	Dalny	3.64 248	Pn	Pn	23 53 11.7 -2.0
DALK			S	Sn	23 53 51.8 -3.8
PET	Petropavlovsk	3.70 248	Pn	Pn	23 53 12.2 -2.3
PET			S	Sn	23 53 51.2 -2.3
PET	Petropavlovsk	3.70 248	eP	Pn	23 53 12.7 -1.8
PET			S	Sn	23 53 53.9 -3.1
PET	Petropavlovsk	3.70 248	eP	Pn	23 53 12.8 -1.7
PET			S	Sn	23 53 53.0 -4.0
comp=N,228nm,0.8s			smax	smax	
PET			smax	smax	
comp=E,209nm,0.8s					
GNL	Ganali	3.87 260	eP	Pn	23 53 16.2 -0.8
GNL			S	Sn	23 53 16.1 -0.8
GAL	Garelyshinskiy	4.07 248	eP	Pn	23 53 11.7 -2.0
KRMR	Karmyshinskiy	4.07 248	eS	Pn	23 54 04.3 -1.8
KRMR			S	Sn	23 53 18.2 -1.4
KRMR	Karmyshinskiy	4.07 248	Pn	Pn	23 54 04.3 -1.8
KRMR			S	Sn	23 53 19.8 -1.5
PEA0B	Petropavlovsk-	4.19 253	Pn	Pn	23 54 20.2 /Pn
PEA0B			S	Sn	23 53 19.7 -1.6
PETK	Petropavlovsk-	4.19 253	Pn	Pn	23 54 06.1 -3.1
PETK			S	Sn	23 53 19.8 -1.5
PETK	Petropavlovsk-	4.19 253	Pn	Pn	23 54 08.5 -0.7
comp=E,7.5nm,0.3s,baz=76,slow=16,SNR=58					
PETK			S	Sn	23 53 19.7 -1.6
comp=E,8.6nm,0.3s,baz=336,slow=28,SNR=10					
PETK			S	Sn	23 54 06.1
MTVR	Mutnovka	4.21 244	eP	Pn	23 53 20.1 -1.7
MTVR			S	Sn	23 53 20.0 -1.7
GRL	Gorelyy	4.24 245	eP	Pn	23 53 20.8 -1.2
GRL			S	Sn	23 53 20.8 -1.2
APC	Apacha	4.56 252	eP	Pn	23 53 26.4 0.0
APC	Apacha	4.56 252	Pn	Pn	23 53 26.3 0.0
KDTR	Khodutka, Kamc	4.65 237	eP	Pn	23 53 25.2 -2.4
KDTR			S	Sn	23 53 25.2 -2.4
KDTR	Khodutka, Kamc	4.65 237	Pn	Pn	23 53 25.1 -2.4
KDTR			S	Sn	23 53 28.5 -1.0
OSSR	Ossora	4.80 352	eP	Pn	23 53 28.5 -1.0
OSSR			S	Sn	23 53 28.5 -1.0
PAU	Pauzhetka	5.49 239	eP	Pn	23 53 40.4 +1.3
PAU			S	Sn	23 53 40.3 +1.3
PAU	Pauzhetka	5.49 239	Pn	Pn	23 53 46.1 -0.9
PAU			S	Sn	23 53 46.1 -0.9
SHEM	Shemya Is, Ala	6.07 103	Pn	Pn	23 54 49.7 -5.6
comp=E,5.9nm,0.3s,baz=291,slow=8.6,SNR=4.1					
SKR	Severo-Kuril's	6.32 236	eP	Pn	23 53 49.3 -1.2
SKR			pmax	pmax	
comp=Z,220nm,0.8s					
SKR			MLR	MLR	
comp=Z,2.2um,16.0s					
BILL	Bilibino	13.60 31e	pmax	pmax	23 55 31.4 +1.4
BILL			pmax	pmax	
comp=Z,3.0nm,1.0s					
GAMB	Gambell	1			

23d 23h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like E21K Killik River, A21K Barrow, K24K Donnelly Dome, etc.

2018 DEC

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like BVCY Beaver Creek, I28M Milner Creek, G29M Pine Creek, etc.

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Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like NVAR Mina Array Bea, ARTI Arti, PDAR Pinedale Array, etc.

JFY	Yanaizu	3.67 335	A	A	00 19 04.7
JMST	Minamisoumatoc	3.67 350	A	A	00 19 05.1
JNG	Nsaka	3.73 309	A	A	00 19 04.8
MJAR	Matsushiro Arr	3.74 312	Pn	Pn	00 19 04.5 +0.7
MJAR	Obsar	3.83 289	A	Sn	00 19 49.2 +1.6
MAJO	Matsushiro	3.74 312	Pn	Pn	00 19 04.9 +1.1
MAJO	Matsushiro	3.73 312	P	P	00 19 05.3 +1.5
MJBS	Matsu-Tunnel	3.75 312	Pn	Pn	00 19 05.2 +1.3
JUON	Unuma	3.77 326	A	A	00 19 05.8
JAA	Atsumi	3.79 279	A	A	00 19 05.2
JMM	Marumori	3.82 349	Pn	Pn	00 19 03.9 -1.0
JMM	Marumori	3.82 349	P	P	00 19 04.2 -0.7
JMM	Marumori	3.82 349	A	A	00 19 07.2
JAO	Obsar	3.83 289	A	A	00 19 05.8
JGF	Kuroka	3.86 294	Pn	Pn	00 19 06.2 +0.7
JGF	Kuroka	3.86 294	P	P	00 19 07.4 +1.9
JGF	Kuroka	3.86 294	A	A	00 19 06.4
JYAR	Yonezawaaracadi	4.00 342	A	A	00 19 09.6
INU	Inuyama	4.04 289	Pn	Pn	00 19 08.6 +0.7
INU	Inuyama	4.04 289	P	P	00 19 09.5 +1.6
JIE	Ise	4.13 275	A	A	00 19 09.9
JJN	Nakama	4.15 317	A	A	00 19 10.9
JGN	Niikawa	4.16 322	A	A	00 19 10.8
JICN	Ichinomiya	4.17 288	A	A	00 19 10.4
JJH	Jishu	4.17 333	A	A	00 19 11.8
JIKH	Ishinomakiobu	4.20 358	A	A	00 19 12.8
JYS	Shirataka	4.31 343	A	A	00 19 14.0
JOU	Okura	4.33 349	A	A	00 19 14.5
JYTA	Yamagatanai	4.33 291	A	A	00 19 13.0
JTT	Tatey	4.34 306	A	A	00 19 13.5
JIO	Ouri	4.35 357	A	A	00 19 14.8
TSUJ	Tsu 2	4.40 279	A	A	00 19 13.6
JEG	Eigenji	4.49 285	A	A	00 19 15.0
JKN2	Miekiokoku	4.49 273	A	A	00 19 14.8
JOFO	Osakifurukawao	4.53 352	A	A	00 19 17.2
JKMT	Kesennumamotoy	4.70 358	A	A	00 19 19.8
JMMH	Miemihamma	4.71 268	A	A	00 19 17.9
JYA	Atsumi	4.75 341	A	A	00 19 20.2
JAD	Awa shima	4.81 326	A	A	00 19 20.2
JSD	Sado	4.81 326	Pn	Pn	00 19 18.8 +0.4
JSD	Sado	4.81 326	P	P	00 19 18.7 +0.3
JSD	Sado	4.81 326	A	A	00 19 20.5
JNTK	Naratenkawa	4.81 274	A	A	00 19 19.4
JSZ	Suzu	4.84 315	A	A	00 19 20.7
JJH	Hakui	4.89 307	A	A	00 19 21.1
JKG	Kaga	4.89 298	A	A	00 19 21.0
JFM	Miitama	4.90 298	A	A	00 19 20.9
JYK	Kaneyama	4.92 348	A	A	00 19 22.6
OFUJ	Otunaru	4.97 279	A	A	00 19 23.6
JWKM	Wakayamakushim	4.98 264	A	A	00 19 21.6
JHE	Heguri	4.99 278	A	A	00 19 22.0
JWY	Kouya	5.05 273	A	A	00 19 22.8
JTNC	Tanabekakech	5.06 268	A	A	00 19 22.6
JYZY	Yamagatayuz	5.10 344	A	A	00 19 22.5
JWM	Minabe	5.27 269	A	A	00 19 25.7
JWT	Wachi	5.31 285	A	A	00 19 26.5
JRG	Rokugo	5.35 351	A	A	00 19 28.8
JTB	Tobi-shima	5.37 357	A	A	00 19 29.7
JOM	Ohasama	5.37 357	A	A	00 19 29.1
JHG	Hegura jima	5.38 315	A	A	00 19 28.2
MIYJ	Miyakonagasawa	5.46 1	A	A	00 19 30.6
JMIK	Miki	5.52 279	A	A	00 19 29.5
JYW	Yuwa	5.55 348	A	A	00 19 31.5
JKY	Yasaka	5.62 288	A	A	00 19 31.0
JAWN	Awajishima-itag	5.63 276	A	A	00 19 30.8
JSZI	Iwateshizukuis	5.66 354	A	A	00 19 33.1
JKS	Kasai	5.71 281	A	A	00 19 32.7
JTH	Tanohata	5.83 1	A	A	00 19 35.1
JKSM	Kasumi	5.96 286	A	A	00 19 35.7
JAI	Aioi	6.02 269	A	A	00 19 36.2
JKEN	Kujedanmarisaw	6.09 0	A	A	00 19 39.7
JAH	Hinai	6.13 352	A	A	00 19 39.2
JOJG	Oga3	6.17 341	A	A	00 19 37.6
JMAF	Minaanabuki	6.25 272	A	A	00 19 39.5
JANG	Nango	6.26 359	A	A	00 19 41.7
JNTW	Noshirotokawa	6.32 262	A	A	00 19 41.6
MRT2	Murotomisaki 2	6.32 266	A	A	00 19 40.5
JJS	Sakaide	6.43 275	A	A	00 19 42.0
JMN	Monobe	6.50 269	Pn	Pn	00 19 43.3 +1.5
JMN	Monobe	6.50 269	P	P	00 19 44.1 +2.3
JMN	Monobe	6.50 269	A	A	00 19 43.0
JKR	Kurayoshi	6.60 283	A	A	00 19 44.6
JIW	Iwasaki	6.61 349	A	A	00 19 46.4
JHHS	Hirosakiyakuz	6.62 351	A	A	00 19 46.5
JTM	Tenmabayashi	6.69 356	Pn	Pn	00 19 44.7 +0.5
JTM	Tenmabayashi	6.69 356	P	P	00 19 43.7 -0.6
JTM	Tenmabayashi	6.69 356	A	A	00 19 47.6
JKHR	Kochiharuno	6.84 267	A	A	00 19 47.7
JARK	Aomoriokkasho	6.89 358	A	A	00 19 50.5
JCJ	Chichijima	7.00 176	Pn	Pn	00 19 47.0 -1.6
JCJ	Chichijima	7.00 176	P	P	00 19 52.0 +3.4

JSI2	Shiura 2	7.01 352	A	A	00 19 52.1
JKU	Kubokawa	7.23 266	A	A	00 19 53.1
JOI	OKI	7.24 290	A	A	00 19 53.6
JNM	Ikuma	7.25 283	A	A	00 19 53.6
ERM	Erimo	7.98 8	Pn	Pn	00 19 59.7 -2.3
ERM	Erimo	7.98 8	P	P	00 20 01.3 -0.7
ERM	Erimo	7.98 8	Pn	Pn	00 19 59.4 -2.6
ERM	Erimo	7.98 8	P	P	00 20 01.1 -0.9
JNU	Nakatsue	9.07 267	P	P	00 20 16.8 -0.2
JNU	Nakatsue	9.07 267	Pn	Pn	00 20 16.6 -0.4
JNU	Nakatsue	9.07 267	LR	LR	00 22 36.8
JNU	Nakatsue	9.07 267	P	P	00 20 19.1 +2.1
JNU	Nakatsue	9.07 267	Pn	Pn	00 20 23.6 -3.0
ASAJ	Asahikawa	10.02 4	Pn	Pn	00 20 30.7 +0.7
ASAJ	Asahikawa	10.02 4	P	P	00 22 14.3 -7.8
RJKU	Kamikawa-asahi	10.02 4	Pn	Pn	00 20 28.2 -1.8
RJKU	Misakioto	10.36 14	P	P	00 20 32.4 -2.2
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 33.1 -2.5
YUK	Yuzh-Kuril'sk	10.43 17	Pn	Pn	00 20 28.2 -1.8
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 32.4 -2.2
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 33.1 -2.5
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 28.2 -1.8
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 32.4 -2.2
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 33.1 -2.5
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 28.2 -1.8
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 32.4 -2.2
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 33.1 -2.5
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 28.2 -1.8
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 32.4 -2.2
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 33.1 -2.5
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 28.2 -1.8
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 32.4 -2.2
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 33.1 -2.5
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 28.2 -1.8
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 32.4 -2.2
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 33.1 -2.5
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 28.2 -1.8
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 32.4 -2.2
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 33.1 -2.5
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 28.2 -1.8
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 32.4 -2.2
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 33.1 -2.5
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 28.2 -1.8
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 32.4 -2.2
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 33.1 -2.5
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 28.2 -1.8
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 32.4 -2.2
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 33.1 -2.5
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 28.2 -1.8
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 32.4 -2.2
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 33.1 -2.5
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 28.2 -1.8
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 32.4 -2.2
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 33.1 -2.5
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 28.2 -1.8
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 32.4 -2.2
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 33.1 -2.5
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 28.2 -1.8
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 32.4 -2.2
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 33.1 -2.5
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 28.2 -1.8
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 32.4 -2.2
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 33.1 -2.5
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 28.2 -1.8
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 32.4 -2.2
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 33.1 -2.5
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 28.2 -1.8
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 32.4 -2.2
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 33.1 -2.5
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 28.2 -1.8
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 32.4 -2.2
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 33.1 -2.5
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 28.2 -1.8
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 32.4 -2.2
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 33.1 -2.5
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 28.2 -1.8
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 32.4 -2.2
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 33.1 -2.5
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 28.2 -1.8
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 32.4 -2.2
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 33.1 -2.5
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 28.2 -1.8
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 32.4 -2.2
YUK	Yuzh-Kuril'sk	10.43 17	P	P	00 20 33.1 -2.5
YUK					

24d Oh

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like H21K, PPLA, CHUM, A22K, etc.

2018 DEC

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like TKM2, D24K, N25K, etc.

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Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like C26K, BVA0, BVAR, etc.

KMPD	comp=Z,4um,20.0s	79.50 322	P	P	00 30 11.8	-0.7
PDAR	comp=Z,10um,1.2s,comp=Z,79um	79.56 45	P	P	00 30 13.7	+0.4
PDAR	Pinedale Array	79.56 45	P	P	00 30 14.1	+0.8
FRB	Frobisher Bay	79.57 13	LR	LR	01 10 37.2	
BKZ	Black Stump Fm	79.71 153	IAMS_20	IAMS_20	01 02 15.5	
BEL	Belsk	80.02 327	eP	P	00 30 15.8	+0.6
ILGA	Ilgaz	80.12 313	P	P	00 30 16.4	+0.1
BSD	Bornholm Skovb	80.13 322	P	P	00 30 18.0	+2.2
GAZ	Gaziantep	80.20 308	IAMB	IAMB	00 30 21.1	
DSZ	Denniston Nort	80.39 158	IAMS_20	IAMS_20	01 03 13.4	
VLDR	Vladessti	80.39 319	IUP	P	00 30 16.9	-0.4
PFO	Pinyon Flats O	80.49 56	P	P	00 30 19.7	+1.4
PFO	Pinyon Flats O	80.49 56	P	P	00 30 19.7	+1.4
GKP	comp=Z,27nm,1.2s	80.54 330	eP	P	00 30 18.4	+0.4
KWP	Kalwarja Pacla	80.64 325	eP	P	00 30 19.5	+0.9
KWP	Kalwarja Pacla	80.64 325	P	P	00 30 19.6	+0.9
JURR	Jurilovca	80.64 318	IUP	P	00 30 17.9	-0.8
MRZ	Mangatainok R	80.69 155	P	P	00 30 18.1	+0.3
MRZ	Mangatainok R		IAMS_20	IAMS_20	01 01 07.4	
TJX	Tijuana	80.70 57	P	P	00 30 20.7	+1.4
BURAR	Bucovina Array	80.75 322	P	P	00 30 19.5	+0.1
BURAR	Bucovina Array	80.75 322	P	P	00 30 19.3	-0.1
BURAR	Bucovina Array	80.75 322	P	P	00 30 20.0	+0.6
THZ	Topohuse	80.76 157	IAMS_20	IAMS_20	01 01 48.2	
CFR	Carcaliu	80.79 319	IUP	P	00 30 19.4	-0.1
CFR	Carcaliu	80.79 319	P	P	00 30 19.4	-0.1
TPGO	Topogol	80.84 311	IUP	P	00 30 19.6	-0.2
NZGZ	South Korori	80.96 155	IAMS_20	IAMS_20	01 01 41.4	
BR131	Keskin Array S	80.97 312	IAMB	IAMB	00 30 24.5	
BRTR	Keskin Array B	80.97 312	P	P	00 30 20.4	-0.4
BRTR	Keskin Array B	80.97 312	P	P	00 30 20.8	-0.4
BRTR	comp=Z,33nm,1.1s,baz=106,slow=3,SNR=31				00 33 20.6	-4.3
BRTR	Keskin Array B	80.97 312	iP	P	00 30 21.0	+0.2
BRTR	Keskin Array B					
BR106	Keskin Array S	80.97 312	P	P	00 30 21.0	+0.2
TKX	Tecate	80.97 57	P	P	00 30 21.0	+0.2
ODBI	Odobesti	81.00 320	IUP	P	00 30 20.6	0.0
CBX	Cerro Bola	81.08 57	IAMB	IAMB	00 30 26.9	
TIRR	Tirgusor	81.10 318	IUP	P	00 30 21.7	+0.5
TIRR	Tirgusor	81.10 318	P	P	00 30 21.6	+0.5
VRI	Vrincioaia	81.11 320	IUP	P	00 30 22.3	+1.1
VRI	Vrincioaia	81.11 320	P	P	00 30 22.3	+1.1
VRI	Vrincioaia	81.11 320	P	P	00 30 22.2	+1.0
PLOR	Plostina	81.16 320	IUP	P	00 30 22.3	+0.7
PLOR	Plostina	81.16 320	P	P	00 30 22.2	+0.7
INZ	Inchbonnie	81.17 158	IAMS_20	IAMS_20	01 02 15.9	
HARR	Harsova	81.21 319	IUP	P	00 30 22.0	+0.2
HARR	Harsova	81.21 319	P	P	00 30 21.9	+0.2
TLBR	Topalu	81.24 318	IUP	P	00 30 22.7	+0.8
MFTR	Mufatlar	81.27 318	IUP	P	00 30 21.4	-0.6
KOLS	Kolonickie sedl	81.32 324	P	P	00 30 22.8	+0.5
KOLS	Kolonickie sedl					
KOLS	Kolonickie sedl	81.32 324	eP	P	00 30 22.8	+0.5
TURR	Turia	81.36 324	P	P	00 30 24.0	+1.4
COVR	Coinesasa-Covas	81.40 313	P	P	00 30 23.3	+0.5
ANTO	Ankara	81.40 313	P	P	00 30 22.8	-0.2
ANTO	Ankara					
ANTO	Ankara	81.40 313	P	P	00 30 23.5	+0.5
ANTO	Ankara	81.40 313	P	P	00 30 23.5	+0.5
ANTO	Ankara	81.40 313	P	P	00 30 22.8	-0.2
ANTO	Ankara					
ANTO	Ankara	81.40 313	P	P	00 30 23.7	+0.7
BR231	Keskin MP Arra	81.42 313	P	P	00 30 23.8	+0.6
OLZ	Lake Taylor	81.45 321	IUP	P	00 30 24.1	+1.0
STHS	Stebnicka Huta	81.48 325	eP	P	00 30 22.7	-0.5
STHS	Stebnicka Huta					
STHS	Stebnicka Huta	81.48 325	eP	P	00 30 22.7	-0.5
ARCA	ARCA	81.59 327	IUP	P	00 30 24.5	+1.0
KHZ	Kahutara	81.56 157	IAMS_20	IAMS_20	01 03 20.2	
BMR	Baia Mare	81.58 323	IUP	P	00 30 24.7	+1.0
BMR	Baia Mare	81.58 323	P	P	00 30 24.6	+1.0
OJC	Ojcow	81.59 327	IAMB	IAMB	00 30 28.3	
OJC	Ojcow	81.59 327	P	P	00 30 24.2	+0.5
U15A	North Rim	81.65 52	IAMB	IAMB	00 30 30.2	
ICOR	Ion Corvin	81.65 318	IUP	P	00 30 24.7	+0.6
ISR	Istrita	81.69 320	P	P	00 30 25.1	+0.7
DOPR	Dopca	81.75 321	IAMB	IAMB	00 30 25.0	+0.3
ESJX	Sierra Juezar	81.77 57	IAMB	IAMB	00 30 30.2	
MLR	Muntele Rosu	81.77 320	IAMB	IAMB	00 30 29.4	
MLR	Muntele Rosu	81.77 320	IUP	P	00 30 25.0	0.0
MLR	Muntele Rosu	81.77 320	P	P	00 30 24.9	0.0
MLR	Muntele Rosu	81.77 320	P	P	00 30 25.3	+0.4
ULM	Lac du Bonnet	81.83 33	IAMB	IAMB	00 30 46.2	
ULM	Lac du Bonnet	81.83 33	P	P	00 30 25.0	+0.1
RSSD	Black Hills	81.86 42	P	P	00 30 26.3	+0.8
RSSD	Black Hills	81.86 42	IAMS_20	IAMS_20	01 08 13.1	
RSSD	Black Hills	81.86 42	P	P	00 30 26.3	+0.8
RSSD	Black Hills					
RSSD	Black Hills					
GVZ	Greta Valley S	81.89 157	IAMS_20	IAMS_20	01 03 49.9	
OXF	Oxford	81.90 158	IAMS_20	IAMS_20	01 02 59.2	
NIE	Niedzica	81.92 326	eP	P	00 30 26.1	+0.6
RPZ	Rata Peaks	81.95 159	IAMS_20	IAMS_20	01 03 34.6	
RAYN	Ar Rayn	81.98 293	P	P	00 30 26.1	-0.2
RAYN	Ar Rayn				00 30 31.1	
RAYN	Ar Rayn	81.98 293	iP	P	00 30 25.9	-0.4
RAYN	Ar Rayn	81.98 293	P	P	00 30 26.9	+0.6
RAYN	Ar Rayn	81.98 293	P	P	00 30 26.1	-0.2
RAYN	Ar Rayn					
CJR	Cliji-Napoca	82.17 322	IUP	P	00 30 28.1	+1.1
CJR	Cliji-Napoca	82.17 322	P	P	00 30 28.0	+1.1
VTX	Valle De La Tr	82.22 57	P	P	00 30 28.5	+1.0
VOIR	Mount Meron Ar	82.28 321	IUP	P	00 30 28.9	+1.4
VOIR	Mount Meron Ar	82.28 321	P	P	00 30 28.9	+1.4
VOIR	Mount Meron Ar	82.28 321	P	P	00 30 28.2	+0.7
BZS	Lake Benmore	82.31 160	P	P	00 30 27.4	+0.1
WKZ	Wanaka	82.39 161	IAMS_20	IAMS_20	01 10 44.2	
MARR	Marisel-Ciuj	82.44 322	IUP	P	00 30 28.8	+0.4
LANS	Liptovska Anna	82.50 326	eP	P	00 30 29.5	+0.9
LANS	Liptovska Anna					
LANS	Liptovska Anna	82.50 326	eP	P	00 30 29.5	+0.9

LANS	comp=Z,4um,20.0s	82.54 321	eP	PP	00 33 38.7	+1.6
TNR	Turnu Rosu	82.54 321	IUP	P	00 30 30.5	+1.6
TNR	Turnu Rosu	82.54 321	P	P	00 30 30.4	+1.6
ARR	Arges	82.54 321	IUP	P	00 30 30.3	+1.4
RUE	Ruedersdorf	82.54 331	eP	P	00 30 32.0	+3.4
DRGR	Dr. G. R. G. R.	82.57 323	IUP	P	00 30 29.0	+1.0
DRGR	Dr. G. R. G. R.	82.57 323	P	P	00 30 29.8	+0.8
OKC	Ostrava-Krasne	82.62 327	AMS	AMS	01 12 20.0	
Y14A	Uckenburg	82.64 54	P	P	00 30 30.2	+0.6
MLZ	Mavora Lakes	82.65 162	IAMS_20	IAMS_20	01 14 38.0	
KSP	Ksiaz	82.71 329	eP	P	00 30 30.3	+0.8
KSP	Ksiaz	82.71 329	P	P	00 30 30.0	+0.5
BSEG	Bad Segeberg	82.77 333	eP	P	00 30 30.3	+0.5
WUAZ	Wupatki	82.79 52	IAMB	IAMB	00 30 51.7	
WUAZ	Wupatki				01 01 26.0	
BORA	Empisheir	82.81 314	IAMB	IAMB	00 30 33.9	
113A	comp=Z,29nm,1.1s	82.82 55	P	P	00 30 30.7	+0.3
N23A	Motawik Valley	82.84 45	P	P	00 30 31.1	+0.3
N23A	Red Feather La	82.84 45	P	P	00 30 30.0	-0.8
HUMR	Humlele	82.92 320	IUP	P	00 30 30.9	+0.1
MORC	Moravsky Berou	82.93 327	IAMB	IAMB	00 30 34.8	
MORC	Moravsky Berou	82.93 327	eP	P	00 30 30.9	+0.1
MORC	Moravsky Berou	82.93 327	P	P	00 30 31.2	+0.3
MORC	Moravsky Berou	82.93 327	P	P	00 30 31.1	+0.3
LOT	Lotru	82.94 321	IUP	P	00 30 31.2	+0.3
OSTC	Ostas	82.95 328	eP	P	00 30 34.1	+3.3
OSTC	Ostas					
OSTC	Ostas	82.95 328	eP	MLR	00 30 34.1	+3.3
CHVC	Chvalec	83.00 329	AMS	AMS	01 13 40.0	
COPA	Copacapanca	83.05 320	IUP	P	00 30 31.2	-0.3
KRLC	Kraljick	83.06 328	eP	AMS	00 30 31.3	-0.1
KRLC	Kraljick				00 30 31.3	-0.1
KRLC	Kraljick	83.06 328	eP	MLR	00 30 31.3	-0.1
DPC	Dobruska-Polom	83.06 328	eP	AMS	00 30 31.7	+0.3
DPC	Dobruska-Polom				01 12 30.0	
DPC	Dobruska-Polom	83.06 328	eP	MLR	00 30 31.7	+0.3
UPC	Ujpec	83.08 328	AMS	AMS	01 13 40.0	
SFX	San Felipe	83.08 57	P	P	00 30 32.8	+1.0
SFX	San Felipe				00 30 38.0	
DEV	Deva	83.09 322	IUP	P	00 30 32.1	+0.5
DEV	Deva	83.09 322	P	P	00 30 32.1	+0.5
MAUC	Maruska	83.10 327	eP	P	00 30 34.2	+0.9
GORTI	Trebel	83.13 332	eP	P	00 30 34.2	+2.6
PPT	Papeete	83.13 116	LR	LR	01 00 46.4	
PPT2	Papeete2	83.14 116	eS	S	00 40 49.8	-2.1
PPT2	Papeete2					
PPT2	Papeete2	83.14 116	eLQ	LQ	00 52 45.6	
PPT2	Papeete2					
PPT2	Papeete2	83.14 116	eLR	LR	00 56 27.3	
PPT2	Papeete2					
PPT2	Papeete2	83.15 116	IAMS_20	IAMS_20	00 59 38.5	
PSZ	Piszkesteto	83.17 325	eP	P	00 30 32.4	+0.3
PSZ	Piszkesteto	83.17 325	IUP	P	00 30 32.5	+0.4
PSZ	Piszkesteto	83.17 325	P	P	00 30 32.5	+0.4
AGMN	Agassiz Natlon	83.21 35	IAMB	IAMB	00 30 33.0	+0.8
AGMN	Agassiz Natlon				00 30 35.8	
AGMN	Agassiz Natlon				01 05 02.4	
VYHS	Vyhne	83.26 326	eP	P	00 30 32.9	+0.4
VYHS	Vyhne					
VYHS	Vyhne	83.26 326	eP	P	00 30 32.9	+0.4
VYHS	Vyhne					
VYHS	Vyhne					
X15A	Lo Mia Camp, P	83.40 53	P	P	00 30 34.5	+0.8
SIRR	Siria	83.42 323	IUP	P	00 30 34.8	+0.3
GZR	Gura Zlata	83.49 322	IUP	P	00 30 34.0	+0.2
GZR	Gura Zlata	83.49 322	P	P	00 30 33.9	+0.2
JAVC	Velka Javorina	83.54 327	eP	P	00 30 35.1	+1.1
SVRR	Suncok	83.58 322	IUP	P	00 30 34.5	+0.4
VLAD	Vladia	83.58 320	IUP	P	00 30 35.0	+0.9
MVCO	Mesa Verde	83.60 49	IAMB	IAMB	00 31 15.8	
MVCO	Mesa Verde				01 03 43.6	
FLTG	Flechtingen	83.67 332	eP	P	00 30 36.5	+2.1
PVCC	Panska Ves	83.68 329	eP	P	00 30 35.5	+0.9
PVCC	Panska Ves				01 13 30.0	
PVCC	Panska Ves	83.68 329	eP	MLR	00 30 35.5	+0.9
PVCC	Panska Ves					
BRG	Berggiesshubel	83.69 330	eP	P	00 30 34.9	+0.3
BRG	Berggiesshubel				00 30 35.8	

24d Oh

Table with columns: Call Sign, Frequency, Mode, Power, Location, and other details. Includes call signs like ECSD, T25A, B10A, ANMO, etc.

2018 DEC

Table with columns: Call Sign, Frequency, Mode, Power, Location, and other details. Includes call signs like OK051, WMOK, OK029, etc.

1580

Table with columns: Call Sign, Frequency, Mode, Power, Location, and other details. Includes call signs like NATX, O51A, WWT, etc.

NEIC 24 00:19.15.1.7, 61.39N:0.03:149:98W:0.05, h42km, 5km, Error ellipse: s-maj=4.4km s-min=0.2km az=160.0, IDC 24 00:19.15.1.7, 61.39N:0.03:149:98W:0.05, h42km, 5km, mbtpt3.8/16, Error ellipse: s-maj=15.0km s-min=8.8km

az=110.0, AEIC 24 00:19:15.7:1.2, 61.36N,0.03:150.02W,0.05,h41km,7km, ML3.7,ML3.9/145(NEIC), Error ellipse: s-maj=4.3km

s-min=3.8km az=159.0, ISC 24 00:19:14.4:0.7, 61.36N,0.03:150.02W,0.03,h49km,5km, n160, o113/140, mb3.9/11, Southern Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, ISC. Lists station data for stations like FIS, RC01, RC01, RC01, etc.

Table with columns: ILSW, Iliamna Southw, 2.07 229, Pn, 00 19 47.4 +0.6, 00 20 17.6. Lists station data for stations like TRF, TRF, TRF, TRF, etc.

Table with columns: J16K, Anvik River, 5.30 296, IAML, Pn, 00 20 22.10. Lists station data for stations like J16K, J16K, I17K, I17K, etc.

ISC 24 00:20:03.6:1.9, 55.20N,164.40E, h0km, mb3.6/5, mbmp3.6/6, ML2.4/1, Error ellipse: s-maj=58.0km

s-min=22.6km az=165.0, KRSC 24 00:20:03.4:1.1, 55.00N,164.73E, h40km,28km, ML3.9

ISC 24 00:20:06.0:0.8, 55.11N,160.06:164.74E,0.06, h27km, n32, o146/33, mb3.7/5, Komandorski Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, ISC. Lists station data for stations like BKI, Bering, 0.71 81, Op, Pn, etc.

ATH 24 00:27:33.5, 37.59N,20.38E, h3km,1km, ML2.0/9, Manual Solution by A.Moschou First location: 2018/12/24

00:28:42, This location: 2020/09/11 06:24:15 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, ISC. Lists station data for stations like ORTH, Orthonies,Zaky, 0.36 44, Op, Pn, etc.

NEIC 24 00:28:34.71.2.33.99N.07:142.01E.0.10.1h7km.1km, mb4.6/18, Error ellipse: s-maj=17.3km s-min=4.2km az=130.0

JMA 24 00:28:37.1.1.0.34 N.2E.14.2E.1.1, h37km, MV3.8/29, FAR SE OFF BOBO PEN

ISC 24 00:28:36.9.0.6.34.08N.0.06:141.81E.0.06, h21km, n83, r152979, mb4.3/26, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their parameters.

MMAI Mount Meron Ar 83.94 306 P P 00 41 05.6 -0.1 comp=2.1,2nm,0.6s,baz=352,slow=2.9,SNR=1.9

TXAR Lajitas Array 91.66 53 P P 00 41 45.3 +2.2 comp=2.0,2nm,0.7s,baz=331,slow=6.5,SNR=2.5

ISC 24 00:33:57.6.1.4.61.34N.150.40W, h56km.14km, mb3.4/9, mbtmp3.6/14, Error ellipse: s-maj=16.8km s-min=8.8km az=112.0

NEIC 24 00:33:58.7.1.9.61.43N.0.03:150.08W.0.05, h39km.4km, Error ellipse: s-maj=3.8km s-min=3.2km az=162.0

AEIC 24 00:33:59.0.1.2.61.37N.0.01:150.04W.0.05, h41km.6km, ML3.6, ML3.8/144(NEIC), Error ellipse: s-maj=3.4km s-min=1.6km az=75.0

ISC 24 00:33:57.8.0.7.61.36N.0.03:150.06W.0.02, h50km.5km, n146, r1515/131, mb3.7/9, Southern Alaska

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their parameters.

P23K Montague Islan 1.89 135 P Pn 00 34 27.0 -0.7 baz=318

CNPM China Pool 1.93 198 Pn 00 34 28.7 +0.5 comp=2.1,2nm,0.6s

CNPM China Pool 1.93 198 IAML 00 34 59.7 comp=1.6nm,0.4s

HIN Hinchinbrook I 1.99 118 IAML 00 35 04.1 comp=N,968nm,0.7s

HIN comp=E,1.1um,0.5s 1.99 84 IAML 00 35 05.6 Kluina

KLU Kluina 1.99 84 IAML 00 35 05.0 comp=E,424nm,0.6s

KLU Kluina 1.99 84 P 00 34 29.0 -0.1 baz=268

M24K Tolsona, Glenn 2.00 66 Pn 00 34 30.1 +0.9 comp=E,1.1um,0.8s

M24K Tolsona, Glenn 2.00 66 P 00 34 30.2 +1.1 comp=N,855nm,0.8s

ILSW Iliamna Southw 2.05 229 Pn 00 34 30.9 +0.9 baz=250

ILSW Iliamna Southw 2.05 229 IAML 00 35 00.0 comp=E,431nm,0.8s

DIV Divide 2.09 95 Pn 00 34 30.5 +0.1 TRF Thorofare Moun 2.10 357 IAML 00 35 10.0 comp=E,383nm,0.4s

TRF Thorofare Moun 2.10 357 P 00 35 20.0 comp=N,451nm,0.8s

TRF Thorofare Moun 2.10 357 P 00 35 31.0 baz=176

RND Denali Highway 2.13 15 Pn 00 34 31.6 +0.6 DHY Denali Highway 2.13 35 Pn 00 34 32.2 +1.1

DHY Denali Highway 2.13 35 IAML 00 35 03.6 comp=N,473nm,0.6s

DHY Denali Highway 2.13 35 P 00 35 04.1 comp=E,451nm,0.5s

DHY Denali Highway 2.13 35 Pn 00 34 32.2 +1.1 baz=217

N19K Bonanza Creek 2.22 258 Pn 00 34 32.9 +0.7 KTH Kantishna Hill 2.24 350 Pn 00 34 33.5 +1.0

KTH Kantishna Hill 2.24 350 IAML 00 35 04.0 comp=E,320nm,0.6s

EYAK Cordova Ski Ar 2.26 109 P 00 34 32.6 0.0 baz=293

CAST Castle Rocks 2.27 336 Pn 00 34 33.5 +0.7 CAST Castle Rocks 2.27 336 P 00 34 33.5 +0.7

P19K Oil Pt 2.32 224 Pn 00 34 34.4 +0.8 P19K Oil Pt 2.32 224 IAML 00 35 09.5

P19K Oil Pt 2.32 224 P 00 34 35.1 +1.5 comp=N,972nm,0.6s

O19K Port Alsworth 2.39 243 Pn 00 34 34.8 +0.3 O19K Port Alsworth 2.39 243 Pn 00 34 35.0 +0.5

L19K White Mountain 2.42 292 Pn 00 34 35.8 +0.8 L19K White Mountain 2.42 292 IAML 00 35 21.6

HARP HARP 2.54 64 Pn 00 34 37.9 +1.3 HARP HARP 2.54 64 P 00 34 37.9 +1.3

N25K Chitina, Valde 2.63 82 IAML 00 34 38.3 +0.4 N25K Chitina, Valde 2.63 82 IAML 00 35 17.7

N25K Chitina, Valde 2.63 82 P 00 35 20.5 comp=N,330nm,0.5s

N25K Chitina, Valde 2.63 82 Pn 00 34 39.1 +1.2 baz=267

BMRM Bremner River 2.67 96 Pn 00 34 38.0 -0.4 BMRM Bremner River 2.67 96 P 00 34 38.0 -0.4

Vertical column of small text on the right edge of the page, likely a continuation of station codes or a reference list.

24d Oh

Table with columns for city names (e.g., JOW, MDJ, CN2, etc.), flight details (e.g., 13.65 242, 14.10 322), and status indicators (e.g., Pn, Pn, Pn).

2018 DEC

Table with columns for city names (e.g., ZEA, PEAO, PETK, etc.), flight details (e.g., 22.19 26dP, 22.19 26 P), and status indicators (e.g., M, P, P).

1584

Table with columns for city names (e.g., DAV, LZH, LZH, etc.), flight details (e.g., 30.73 213, 30.94 285), and status indicators (e.g., LR, LR, LR).

1585

Table with columns: CHTO, comp-Z, time, status, MLR, MLR, NRIK, Nori'sk, time, status, P, P, 00 51 33.8 0.0, comp-Z, 2.0nm, 1.1s, baz=110, slow=8.7, SNR=18

2018 DEC

Table with columns: NRIK, Nori'sk, time, status, P, P, 00 51 33.8 0.0, comp-Z, 2.0nm, 1.1s, baz=110, slow=8.7, SNR=18

24d 0h

Table with columns: KURK, comp-Z, 2.9nm, 1.2s, MLR, MLR, J19K, comp-Z, 2.9nm, 1.6s, 48.05 32 P P, 00 51 49.5 +0.2

Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Rows include stations like N32M, P32K, R32M, etc.

Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Rows include stations like BELG, YKA, KLMR, etc.

Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Rows include stations like E09A, KCPM, BANOM, etc.

24d Oh

Table with columns: Call Sign, Name, Frequency, Band, Power, Direction, and other technical details. Includes call signs like ANNA, FFC, MZR, etc.

2018 DEC

Table with columns: Call Sign, Name, Frequency, Band, Power, Direction, and other technical details. Includes call signs like LAO, NDN, URZ, etc.

1588

Table with columns: Call Sign, Name, Frequency, Band, Power, Direction, and other technical details. Includes call signs like LANS, ARR, DRGR, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like X18A Snowflake, NEUB Neuenburg, CLZ Claus, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like RCHB Rochefort, BMRD Maredsous, CLF Waferdange, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like HUMP Col San Antoni, GSPA South Pole Qui, GSPA comp=2.6,6nm,1.0s, etc.

24d 1h

Table with columns: WB0, FITZ, WB2, WRA, BCAR, G31M, ASAR, ARTI, YKA, NVAR, AKASG, HFS, NOA, PDAR, TORD. Each row contains station name, frequency, power, and various status indicators.

ISN 24 00:52:40.0, 0.8, 34.60N, 46.09E, h12km, gkm, ML2.2
TEH 24 00:52:41.0, 34.57N, 46.07E, h10km, 190km, ML2.5
ISC 24 00:52:40.0, 1.2, 34.58N, 0.05, 46.05E, 0.04, h10km, n8,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res. Lists station details for various codes like IDHR, KGS1, etc.

NEIC 24 01:00:52.4, 1.4, 20.12S, 0.10, 175.22W, 0.10, h78km, 2km,
mb5/0.60, Error ellipse: s-maj=15.9km s-min=11.1km
az=135.0

NOU 24 01:00:53.0, 20.48S: 174.83W, h64km, mb4.9/21, Tonga Islands
IDC 24 01:00:55.0, 2.0, 20.21S: 175.42W, h120km, 4km, mb4.2/15,

ISC 24 01:00:52.6, 0.3, 20.24S: 0.05, 175.08W: 0.05, h100km,
h100km, pP-P, n225, r193/229, mb4.8/51, 7D, Tonga Islands

Main table for the 24d 1h section, listing station codes, names, frequencies, powers, and various status indicators for stations like NIUE, NONS, etc.

2018 DEC

Main table for the 2018 DEC section, listing station codes, names, frequencies, powers, and various status indicators for stations like ARMA, CAN, CAU, etc.

1590

Main table for the 1590 section, listing station codes, names, frequencies, powers, and various status indicators for stations like SEY, PDAR, ELIB, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include AKASG Malin Array Be, WRA Warramunga Arr, ASAR Alice Springs, ESDC Sonseca Array, GSPA South Pole Qui.

RSNC 24 01:54:31.1+0.4, 9.1N, 2.7W, h0km, M2.7, mb3.7, ML2.5
FUNV 24 01:54:33.9, 9.17N, 2.70W, h10km, MW3.4
ISC 24 01:54:31.0+1.4, 9.30N, 0.04-70.75W, 0.03, h7km, 11km,
n24, r182/42, 4C-2D, Venezueta

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include SDV Santo Domingo, SDV Socops, SDV Terepaima, SDV Machiques, SDV Capacho, SDV Macapo, SDV Uribia, SDV El Baul, SDV Cerrejon, SDV Pamplona, SDV Ocana, SDV Tame, SDV Belin, SDV Ariguani, SDV Barrancabermej, SDV Tcata, SDV La Rusia, SDV San Jacinto, SDV Zaragoza, SDV CAICARA DEL OR, SDV Chingaza, SDV Vitavencio, SDV Praco, SDV La Uribe.

IDC 24 01:57:42.4+1.0, 5.56S, 125.52W, h0km, mb3.6,
mtbpm3.6, M54.0/1, Error ellipse: s-maj=37.0km
s-min=26.4km az=160.

ISC 24 01:57:43.8+1.1, 5.57S, 125.50W, 0.2, h10km, n21,
o56/6, mb3.9, Southern East Pacific Rise

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include GSPA South Pole Qui, H03S2 Juan Fernandez, H03S1 Juan Fernandez, H03S3 Juan Fernandez, H03N3 Juan Fernandez, H03N2 Juan Fernandez, H03N1 Juan Fernandez, RAO Raoul Island, SNAA Sanae, CPUP Villa Florida, LPAZ La Paz, H01W1 Cape Leeuwin, H01W2 Cape Leeuwin, H01W3 Cape Leeuwin, ASAR Alice Springs, WRA Warramunga Arr, H11S2 WAKE ISLAND, H11S3 WAKE ISLAND, H11S1 WAKE ISLAND, SONM Songoiro Array, EKA Eskdalemuir Arr.

NEIC 24 02:03:18.2+2.0, 21.58N, 143.12E, 0.2, h271km, 6km,
mb4.2/35, Error ellipse: s-maj=20.6km s-min=13.2km
az=84.0.

IDC 24 02:03:20.3+3.5, 21.62N, 143.03E, h299km, 34km,
mb3.5/19, mbrtn=1/21, Error ellipse: s-maj=20.3km
s-min=9.7km az=78.0.

ISC 24 02:03:19.8+0.5, 21.64N, 143.13E, 0.1, h300km, n72,
o1507/77, mb4.0/35, Mariana Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include CJJ Chichijima, Monobe, INU Inuyama, JGF Kuroka, MJAR Matsushiro Arr, MAJO Matsushiro, MJBB Matsushiro, JNU Nakatsue, JMM Marumori, ERM Ermo, KSR5 Korea Array, COEN Coen, MTN Manton Dam, SONM Songoiro Array, SONM Songoiro Array.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include KNRA Kunurra, CMAR Chiang Mai Arr, WBO Warramunga Arr, WRAB Tennant Creek, WRAB Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr.

RSNC 24 01:54:31.1+0.4, 9.1N, 2.7W, h0km, M2.7, mb3.7, ML2.5
FUNV 24 01:54:33.9, 9.17N, 2.70W, h10km, MW3.4
ISC 24 01:54:31.0+1.4, 9.30N, 0.04-70.75W, 0.03, h7km, 11km,
n24, r182/42, 4C-2D, Venezueta

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include FITZ Fitzroy Crossi, KULM Kulim, KULM Kulim, AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, MBWA Makanchi Array, GSI Gunungsitoli, STKA Stephens Creek, STKA Stephens Creek, FORF Forrest, ZALV Zalesovo, ZALV Kurchatov Arra, MK31 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, MAKZ Makanchi, MORW Morawa, MORW Morawa, KURK Kurchatov, KURK Kurchatov, KURBB Kurchatov, KURBB Kurchatov, B20K Meade River, B20K Meade River, B22K Teshepuk Lake, B22K Teshepuk Lake, E23K Chandalar, E23K Chandalar, C23K Itkillik River, C23K Itkillik River, ILAR Eielson Array, ILAR Eielson Array, BVAR Borovoye Array, BVAR Borovoye, BRVK Borovoye, BRVK Borovoye, KKAR Karatay Array, D25K Kavik River, D25K Kavik River, F26K Sheenjek River, G31M Satah River, G31M Satah River, MSWZ Moikua Station, ABKAR Abkular array, ABKAR Abkular array, YKA Yellowknife Arr, YKA Yellowknife Arr, ARCES ARCES Array B, ARCES ARCES Array B, ARCES ARCES Array B, KBZ Khabaz, KBZ Khabaz, FIA1 FINESS Array B, FINESS FINESS Array B, FINESS FINESS Array B, NVAR Mina Array Be, NVAR Mina Array Be, AKASG Malin Array Be, AKASG Malin Array Be, HFS Hagfors, HFS Hagfors, BRTR Keskin Array B, BRTR Keskin Array B, TORO Torodi Ar. Bea, TORO Torodi Ar. Bea, TORO Torodi Ar. Bea, LL02 Puatuleu, LL02 Puatuleu, LL04 Puerto Octay, LL04 Puerto Octay, PLCA Paso Flores, PLCA Paso Flores, BOAV Boa Vista, BOAV Boa Vista.

IDC 24 01:57:42.4+1.0, 5.56S, 125.52W, h0km, mb3.6,
mtbpm3.6, M54.0/1, Error ellipse: s-maj=37.0km
s-min=26.4km az=160.

ISC 24 01:57:43.8+1.1, 5.57S, 125.50W, 0.2, h10km, n21,
o56/6, mb3.9, Southern East Pacific Rise

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include GSPA South Pole Qui, H03S2 Juan Fernandez, H03S1 Juan Fernandez, H03S3 Juan Fernandez, H03N3 Juan Fernandez, H03N2 Juan Fernandez, H03N1 Juan Fernandez, RAO Raoul Island, SNAA Sanae, CPUP Villa Florida, LPAZ La Paz, H01W1 Cape Leeuwin, H01W2 Cape Leeuwin, H01W3 Cape Leeuwin, ASAR Alice Springs, WRA Warramunga Arr, H11S2 WAKE ISLAND, H11S3 WAKE ISLAND, H11S1 WAKE ISLAND, SONM Songoiro Array, EKA Eskdalemuir Arr.

NEIC 24 02:03:18.2+2.0, 21.58N, 143.12E, 0.2, h271km, 6km,
mb4.2/35, Error ellipse: s-maj=20.6km s-min=13.2km
az=84.0.

IDC 24 02:03:20.3+3.5, 21.62N, 143.03E, h299km, 34km,
mb3.5/19, mbrtn=1/21, Error ellipse: s-maj=20.3km
s-min=9.7km az=78.0.

ISC 24 02:03:19.8+0.5, 21.64N, 143.13E, 0.1, h300km, n72,
o1507/77, mb4.0/35, Mariana Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include BKI Bering, BKTR Krutoberegovo, KBG Krutoberegovo, BZGR Bezymanni-Gr, BZGR Bezymanni-Gr, TUMR Tumrok, TUMR Tumrok, BZP Bezymanni-Gr, BZP Bezymanni-Gr, CIRR Tsirk, LGNR Loginova, BZMR Bezymannaya, BZWR Bezymanni-We, KMNRR Kamenskiy, KMNRR Kamenskiy.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include KIRR Kirishev, KIRR Kirishev, KRRSR Krestovskiy, KRRSR Krestovskiy, KLY Klyuchi, KLY Klyuchi, KNY Knyto, KNY Knyto, KIL Karymskiy, KIL Karymskiy, SPN Sny Shipunski, SPN Sny Shipunski, KOZ Kozrevskiy, KOZ Kozrevskiy, ESO Esso, ESO Esso, SMAR Somma, SMAR Somma, SMAR Somma, UGLR Uglovaya, UGLR Uglovaya, KRER Koryakskii, KRER Koryakskii, AVH Avcha, AVH Avcha, AVH Avcha, KRK Krik, KRK Krik, KOK Koryaka, KOK Koryaka, KOK Koryaka, DALD Dalny, DALD Dalny, PETK Petropavlovsk, PETK Petropavlovsk, GNL Ganaly, GNL Ganaly, KRMR Karymskiy, KRMR Karymskiy, PEAB Petropavlovsk, PEAB Petropavlovsk, PETK Petropavlovsk, PETK Petropavlovsk.

RSNC 24 01:54:31.1+0.4, 9.1N, 2.7W, h0km, M2.7, mb3.7, ML2.5
FUNV 24 01:54:33.9, 9.17N, 2.70W, h10km, MW3.4
ISC 24 01:54:31.0+1.4, 9.30N, 0.04-70.75W, 0.03, h7km, 11km,
n24, r182/42, 4C-2D, Venezueta

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MTRV Mutnovka, MTRV Mutnovka, GRL Gorelyy, GRL Gorelyy, M17K Holitna River, M17K Holitna River, J18K Innok River, J18K Innok River, F19K Shaleruckio Mo, F19K Shaleruckio Mo, E19K Redstone River, E19K Redstone River, F20K Avsart Lake, F20K Avsart Lake, B20K Meade River, B20K Meade River, B21K Ikpikpuk River, B21K Ikpikpuk River, E22K Anaktuvuk Pass, E22K Anaktuvuk Pass, B22K Teshepuk Lake, B22K Teshepuk Lake, D23K Nanushuk River, D23K Nanushuk River, E23K Chandalar, E23K Chandalar, MJAR Matsushiro Arr, MJAR Matsushiro Arr, E24K Your Creek, E24K Your Creek, ILAR Eielson Array, ILAR Eielson Array, E25K Arctic Village, E25K Arctic Village, INK Inuvik, INK Inuvik, YKA Yellowknife Arr, YKA Yellowknife Arr, SPITS Spitsbergen Arr, SPITS Spitsbergen Arr, KURK Kurchatov, KURK Kurchatov, KURBB Kurchatov Arra, KURBB Kurchatov Arra, MK31 Makanchi Array, MK31 Makanchi Array, BVAR Borovoye Array, BVAR Borovoye, BRVK Borovoye, BRVK Borovoye, ARCES ARCES Array B, ARCES ARCES Array B, ARCES ARCES Array B, KBZ Khabaz, KBZ Khabaz, FIA1 FINESS Array B, FINESS FINESS Array B, FINESS FINESS Array B, NVAR Mina Array Be, NVAR Mina Array Be, AKASG Malin Array Be, AKASG Malin Array Be, HFS Hagfors, HFS Hagfors, BRTR Keskin Array B, BRTR Keskin Array B, TORO Torodi Ar. Bea, TORO Torodi Ar. Bea, TORO Torodi Ar. Bea, LL02 Puatuleu, LL02 Puatuleu, LL04 Puerto Octay, LL04 Puerto Octay, PLCA Paso Flores, PLCA Paso Flores, BOAV Boa Vista, BOAV Boa Vista.

IDC 24 01:57:42.4+1.0, 5.56S, 125.52W, h0km, mb3.6,
mtbpm3.6, M54.0/1, Error ellipse: s-maj=37.0km
s-min=26.4km az=160.

ISC 24 01:57:43.8+1.1, 5.57S, 125.50W, 0.2, h10km, n21,
o56/6, mb3.9, Southern East Pacific Rise

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include GSPA South Pole Qui, H03S2 Juan Fernandez, H03S1 Juan Fernandez, H03S3 Juan Fernandez, H03N3 Juan Fernandez, H03N2 Juan Fernandez, H03N1 Juan Fernandez, RAO Raoul Island, SNAA Sanae, CPUP Villa Florida, LPAZ La Paz, H01W1 Cape Leeuwin, H01W2 Cape Leeuwin, H01W3 Cape Leeuwin, ASAR Alice Springs, WRA Warramunga Arr, H11S2 WAKE ISLAND, H11S3 WAKE ISLAND, H11S1 WAKE ISLAND, SONM Songoiro Array, EKA Eskdalemuir Arr.

NEIC 24 02:03:18.2+2.0, 21.58N, 143.12E, 0.2, h271km, 6km,
mb4.2/35, Error ellipse: s-maj=20.6km s-min=13.2km
az=84.0.

IDC 24 02:03:20.3+3.5, 21.62N, 143.03E, h299km, 34km,
mb3.5/19, mbrtn=1/21, Error ellipse: s-maj=20.3km
s-min=9.7km az=78.0.

ISC 24 02:03:19.8+0.5, 21.64N, 143.13E, 0.1, h300km, n72,
o1507/77, mb4.0/35, Mariana Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include BKI Bering, BKTR Krutoberegovo, KBG Krutoberegovo, BZGR Bezymanni-Gr, BZGR Bezymanni-Gr, TUMR Tumrok, TUMR Tumrok, BZP Bezymanni-Gr, BZP Bezymanni-Gr, CIRR Tsirk, LGNR Loginova, BZMR Bezymannaya, BZWR Bezymanni-We, KMNRR Kamenskiy, KMNRR Kamenskiy, KRSC Krutoberegovo, KRSC Krutoberegovo, PEAB Petropavlovsk, PEAB Petropavlovsk, PETK Petropavlovsk, PETK Petropavlovsk.

Table listing stations (e.g., B22K, D23K, MJAR) with columns for code, station name, time, and other parameters.

Table listing stations (e.g., PB08, IP0C Station P, PB06) with columns for code, station name, time, and other parameters.

Table listing stations (e.g., LMEL, VA05, MT01) with columns for code, station name, time, and other parameters.

Table with columns for Code, Station Name, and Time. Includes entries like IDC 24 02:15:26.61.8, 30.49'S:178.77'W.

Table listing stations (e.g., YJA, YVA, YJV) with columns for code, station name, time, and other parameters.

Table listing stations (e.g., LL05, ITTB, PARB) with columns for code, station name, time, and other parameters.

Table listing stations (e.g., PB12, IPOC Station P) with columns for code, station name, time, and other parameters.

Table listing stations (e.g., SALTA, AP01, CHACALLUTA) with columns for code, station name, time, and other parameters.

Table listing stations (e.g., RO5C, EL ROSAL, TMAB) with columns for code, station name, time, and other parameters.

Table listing stations (e.g., PB09, IPOC Station P) with columns for code, station name, time, and other parameters.

Table listing stations (e.g., FSA, CO06, CO03) with columns for code, station name, time, and other parameters.

Table listing stations (e.g., JTS, MPMO, MPA) with columns for code, station name, time, and other parameters.

Table with columns: ARTI, TIKSI, AKTO, NRIK, SEY, ASAR, PET, PETK, WRA, BRVK, BVAR, BRZS, BRZT, BRLS, BRLD, IUG, DZA, KURK, KURBB, ZALV, ZALV, SEM, AAK, TNSN, MDOK, MDOJ, NIL, KSH, GRNR, MKAR, MKAR, SHLS, SHLS, SHLS, ZEA, ASAJ, ASAJ, ZSN, ZSN, ZSN, ERM, MARI, FAKI, HEH, MOY, WMSQ, WMSQ, USRK, MJAR, MJAR, BNX, SONM, SONM, ULN, ULN, KRSR, KRSR, GOMU, GOTA, GTA, HHC, HHC, HHC, BTO, BTO, BTO, HNS, HNS, XAN, XAN, CMAR, CMAR, CD2

Table with columns: PZH, PanZhiHua, 2019 59 PKP, PKPdf, 02 39 23.1 -1.4, Code, Station Name, Phase ID, Op, ISC, Time, Res, ISC

Table with columns: CAEL, comp=N, 1.0m, 0.7s, i AML, AML, 02 22 37.0, KNIK, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 33.0, NAZL, comp=N, 2.0m, 0.5s, i AML, AML, 02 21 41.9 +0.1, BCLB, comp=N, 2.0m, 0.5s, i AML, AML, 02 21 42.7 -0.2, APMY, comp=N, 2.0m, 0.5s, i AML, AML, 02 21 44.6 +0.9, ELL, comp=N, 2.0m, 0.5s, i AML, AML, 02 21 45.9 +2.0, ELL, comp=N, 2.0m, 0.5s, i AML, AML, 02 21 45.9 +2.0, GDEM, comp=N, 2.0m, 0.5s, i AML, AML, 02 21 44.8 +0.1, AKUM, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 26.5 +3.0, AKUM, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 28.0, AKUM, comp=N, 2.0m, 0.5s, i AML, AML, 02 23 18.0, MANT, comp=N, 2.0m, 0.5s, i AML, AML, 02 21 50.0 +0.3, KORT, comp=N, 2.0m, 0.5s, i AML, AML, 02 21 52.0 +2.2, KORT, comp=N, 2.0m, 0.5s, i AML, AML, 02 23 06.0, KORT, comp=N, 2.0m, 0.5s, i AML, AML, 02 21 51.2 +1.4, KORT, comp=N, 2.0m, 0.5s, i AML, AML, 02 21 51.9 +2.2, KORT, comp=N, 2.0m, 0.5s, i AML, AML, 02 21 50.8 +0.4, ANTB, comp=N, 2.0m, 0.5s, i AML, AML, 02 21 47.2 +2.0, BASM, comp=N, 2.0m, 0.5s, i AML, AML, 02 21 54.8 +1.0, BCK, comp=N, 2.0m, 0.5s, i AML, AML, 02 21 56.8 +1.6, ISP, comp=N, 2.0m, 0.5s, i AML, AML, 02 21 58.7 +1.6, ISP, comp=N, 2.0m, 0.5s, i AML, AML, 02 21 56.7 -0.4, ISP, comp=N, 2.0m, 0.5s, i AML, AML, 02 21 57.7 -0.4, ISM, comp=N, 2.0m, 0.5s, i AML, AML, 02 21 57.7 +2.0, ITM, comp=N, 2.0m, 0.5s, i AML, AML, 02 21 59.5 +0.7, ITM, comp=N, 2.0m, 0.5s, i AML, AML, 02 21 59.5 +0.7, MATC, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 01.1 +2.1, SHUT, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 05.1 +1.4, DBU, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 05.4 +0.5, BORA, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 15.5 -1.1, ALN, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 16.1 -1.0, CSS, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 18.9 -0.1, CSS, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 20.3 +1.3, CSS, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 19.5 +0.5, CSS, comp=N, 2.0m, 0.5s, i AML, AML, 02 23 21.6 -0.4, LIT, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 20.1 +0.3, RDO, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 20.1 -1.1, SSW, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 30.2 +2.1, GEM, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 34.7 +1.0, ANA, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 34.8 +1.2, FNO, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 34.7 +0.4, KEK, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 35.9 -0.2, BR131, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 41.4 +1.8, BRTR, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 41.1 +1.6, BRTR, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 38.7 -0.8, RYAN, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 41.7 +2.0, HNTI, comp=N, 2.0m, 0.5s, i AML, AML, 02 24 08.4 -1.5, HNTI, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 45.4 -0.3, OFRI, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 48.9 -1.7, OFRI, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 46.0 -0.2, MMYC, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 48.1 +0.5, MMA3, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 48.8 +0.2, MMA0B, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 48.6 +0.1, MMA0B, comp=N, 2.0m, 0.5s, i AML, AML, 02 24 13.9 -1.1, MMA1, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 48.1 -0.4, GEM, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 49.9 -2.5, GEM, comp=N, 2.0m, 0.5s, i AML, AML, 02 24 17.2 -1.1, GEM, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 50.3 -0.1, SCTE, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 49.3 -1.1, NATI, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 49.2 -1.7, NATI, comp=N, 2.0m, 0.5s, i AML, AML, 02 24 18.2 -1.1, NATI, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 50.8 -0.1, SALP, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 51.6 -0.0, SALP, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 51.0 -0.6, SALP, comp=N, 2.0m, 0.5s, i AML, AML, 02 24 18.7 -1.7, MMLI, comp=N, 2.0m, 0.5s, i AML, AML, 02 24 19.0 -1.8, MMLI, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 52.4 +0.3, KZIT, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 52.0 -0.1, KZIT, comp=N, 2.0m, 0.5s, i AML, AML, 02 24 18.8 -2.5, KZIT, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 51.1 -0.9, AMAZ, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 52.4 -0.0, AMAZ, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 51.7 -0.5, AMAZ, comp=N, 2.0m, 0.5s, i AML, AML, 02 24 19.8 -2.1, SHMJ, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 54.9 +1.1, HMDT, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 52.0 -1.9, HMDT, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 53.8 -0.1, HMDT, comp=N, 2.0m, 0.5s, i AML, AML, 02 24 22.4 -2.2, ORNJ, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 54.2 +0.3, UJAP, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 49.4 -5.6, YTRJ, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 55.5 -0.1, YTRJ, comp=N, 2.0m, 0.5s, i AML, AML, 02 24 25.7 -2.0, YTRJ, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 55.4 -0.3, YTRJ, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 57.2 -2.5, HFRF, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 52.6 -0.8, HFRF, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 53.9 +1.5, MDBI, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 53.4 -4.9, MDBI, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 57.1 -1.2, MDBI, comp=N, 2.0m, 0.5s, i AML, AML, 02 24 29.7 -2.8, MSBI, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 58.4 +0.1, MSBI, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 57.1 -1.2, MSBI, comp=N, 2.0m, 0.5s, i AML, AML, 02 24 30.2 -2.3, LISJ, comp=N, 2.0m, 0.5s, i AML, AML, 02 23 00.5 +0.5, GHAJ, comp=N, 2.0m, 0.5s, i AML, AML, 02 23 01.0 +0.6, GHAJ, comp=N, 2.0m, 0.5s, i AML, AML, 02 23 01.1 +0.6, GHAJ, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 58.4 +0.1, GHAJ, comp=N, 2.0m, 0.5s, i AML, AML, 02 24 33.7 -2.7, TRP, comp=N, 2.0m, 0.5s, i AML, AML, 02 22 59.2 -1.6, KRMI, comp=N, 2.0m, 0.5s, i AML, AML, 02 24 33.7 -5.1, KRMI, comp=N, 2.0m, 0.5s, i AML, AML, 02 23 00.9 -0.9, PRNI, comp=N, 2.0m, 0.5s, i AML, AML, 02 23 02.1 -0.3, PRNI, comp=N, 2.0m, 0.5s, i AML, AML, 02 23 72.2 -2.6, PRNI, comp=N, 2.0m, 0.5s, i AML, AML, 02 23 01.7 -0.7, HRFI, comp=N, 2.0m, 0.5s, i AML, AML, 02 23 05.5 +0.1, HRFI, comp=N, 2.0m, 0.5s, i AML, AML, 02 24 42.1 -3.0, HRFI, comp=N, 2.0m, 0.5s, i AML, AML, 02 23 04.2 -1.2, HRFI, comp=N, 2.0m, 0.5s, i AML, AML, 02 23 04.2 -1.3, PDG, comp=N, 2.0m, 0.5s, i AML, AML, 02 23 05.2 -0.3, MBRI, comp=N, 2.0m, 0.5s, i AML, AML, 02 23 06.6 +0.2, MBRI, comp=N, 2.0m, 0.5s, i AML, AML, 02 23 05.1 -1.3, MBRI, comp=N, 2.0m, 0.5s, i AML, AML, 02 24 44.7 -2.3, EIL, comp=N, 2.0m, 0.5s, i AML, AML, 02 23 07.6 -0.2, EIL, comp=N, 2.0m, 0.5s, i AML, AML, 02 24 47.4 -2.2, EIL, comp=N, 2.0m, 0.5s, i AML, AML, 02 24 46.4 -3.1, EIL, comp=N, 2.0m, 0.5s, i AML, AML, 02 23 06.4 -1.5, ASF, comp=N, 2.0m, 0.5s, i AML, AML, 02 24 54.0 +2.4, CUC, comp=N, 2.0m, 0.5s, i AML, AML, 02 23 13.8 -0.6, VAE, comp=N, 2.0m, 0.5s, i AML, AML, 02 23 19.6 +0.4, VAE, comp=N, 2.0m, 0.5s, i AML, AML, 02 25 07.5 -2.4, RAFF, comp=N, 2.0m, 0.5s, i AML, AML, 02 23 17.8 -1.5, MLR, comp=N, 2.0m, 0.5s, i AML, AML, 02 23 20.9 +0.7, MLR, comp=N, 2.0m, 0.5s, i AML, AML, 02 23 19.6 -0.6, INTR, comp=N, 2.0m, 0.5s, i AML, AML, 02 23 44.2 -0.5, NRCA, comp=N, 2.0m, 0.5s, i AML, AML, 02 23 57.2 -0.1, KEST, comp=N, 2.0m, 0.5s, i AML, AML, 02 24 13.2 -1.1, KEST, comp=N, 2.0m, 0.5s, i AML, AML, 02 24 13.2 -1.1, RONA, comp=N, 2.0m, 0.5s, i AML, AML, 02 24 22.8 +2.9

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like STHS, LANS, KBZ, MAUC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like BSO1, BSO2, BSO3, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like XAN, YAK, YAK, etc.

SDD 24 02:26:03.8-0.9, 19.09N-67.68W, h129km, 53km, MD2.8, ML2.3, MW2.4, 2D, Monna Passage
Code Station Name Az Az' Phase ID Time Res
CRPR Cabo Rojo, PR 1.20 153 Op ISC P 02 26 27.1 -1.5

HNS HongShan 22.14 286 P S P 03 05 14.4 -2.2
HNS HNS 03 09 21.0 +1.6
HNS HNS 03 09 21.0 +1.6

KSH Kashi 51.88 296 P P P 03 09 33.6 +4.3
KSH KSH 03 09 30.0 +2.3
KSH KSH 03 09 30.0 +2.3

Table with columns: Call sign, Station name, Frequency, Power, Mode, Azimuth, Elevation, and other parameters. Includes stations like Warramunga Arr, Fitzroy Crossi, Tennant Creek, Warramunga Arr, Eagle, Karatay Array, etc.

Table with columns: Call sign, Station name, Frequency, Power, Mode, Azimuth, Elevation, and other parameters. Includes stations like Kiev, HFS, NORSAR Array S, NORSAR Subarra, NORSAR Array B, etc.

RSNC 24 03:04:15.7±0.0, 5°N:1°7'4W±1, h152km±2m, M3.3, mb4.0, M3.3, Colombia

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like San Pablo de B, Chingaza, El Rosal, etc.

Table with columns: Call sign, Station name, Frequency, Power, Mode, Azimuth, Elevation, and other parameters. Includes stations like Garzon, Huila, Jamundi, Valle, Pizarro, Choco, etc.

IDC 24 03:12:48.0±0.0, 41°52'N:83°86'E, h0km, mb3.7/9, mbmp3.6/16, ML3.1/7, MS3.7/2, Error ellipse: s-maj=18.6km s-min=11.2km az=62.0

SOME 24 03:12:49.3±0.0, 41°40'N:83°68'E, h5km NVC 24 03:12:53.1±0.0, 41°49'N:83°52'E, h0km, mb4.7, mpv4.5

ISC 24 03:12:50.0±0.0, 61°41'21"N:0°04'83"E, h10km, n78, s315/101, mb3.7/9, 11C-15D, Southern Xinjiang

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like Shalkode, Uzunbulak, Podgornoye, etc.

24d 3h

Table of satellite data for 24d 3h, including columns for station name, elevation, azimuth, range, and other parameters. Includes stations like TDK Taldyqorghan, KNDK Almaty, AAA Alma-Ata, etc.

2018 DEC

Table of satellite data for 2018 DEC, including columns for station name, elevation, azimuth, range, and other parameters. Includes stations like SONM Songino Array, AKTO Aktubinsk, BTO Baotou, etc.

1598

Table of satellite data for 1598, including columns for station name, elevation, azimuth, range, and other parameters. Includes stations like DALK Dalny Institute, INSR Petropavlovsk, PET Petropavlovsk, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like PRAC Prado, ORTEG Ortega, Tolima, APARTADO Apartado, Choc, etc.

UPP 24 03:31:09.6:0.0, 67.85N:20.22E, h0km, ML2.4, Confirmed Induced event
IDC 24 03:31:10.6:1.1, 67.80N:20.42E, h0km, mbtmp3.0/4, ML2.1/4, Error ellipse: s-maj=18.1km s-min=8.5km az=116.0

Main table for station 1599, listing codes, station names, and coordinates. Includes stations like KUA Kurravaara, RATU Laukuluspa, LANU Lannavaara, etc.

JMA 24 03:35:10.7:0.7, 34.2N:14.1E, h32km, MV3.1/24, FAR SE OFF BOSO PEN
IDC 24 03:35:13.2:2.3, 33.15N:13.91E, h0km, mb3.5/4, mbtmp3.5/5, ML3.2/1, MS3.6/1, Error ellipse: s-maj=90.6km s-min=20.1km az=76.0

Table for station 2018 DEC, listing codes, station names, and coordinates. Includes stations like MJAR, TGY Tagaytay City, MKAR Makanchi Array, etc.

NEIC 24 03:41:13.9:1.1, 19.1N:0.1:64.5W:0.1, h35km, zkm, ML2.4/22, MD3.6/5(RSPR), Error ellipse: s-maj=25.5km s-min=14.6km az=137.0

Main table for station 2018 DEC, listing codes, station names, and coordinates. Includes stations like HUMP Col San Antoni, HUMP Col San Antoni, PDRP Patillas Dam, etc.

IDC 24 03:45:59.0:1.0, 55.03N:164.38E, h0km, mb3.5/10, mbtmp3.5/11, ML2.2/1, MS4.0/2, Error ellipse: s-maj=32.8km s-min=18.6km az=159.0

Main table for station 2018 DEC, listing codes, station names, and coordinates. Includes stations like BKI Bering, KBT Krutoberegovo, BZGR Bezmyannyi-Pr, etc.

GSPA South Pole Qui 144.70 180 PKP PKPdf 04 05 33.9 -1.1
0.3nm,0.7s,baz=5.7,slow=5.6,SNR=4.5
0.3nm,0.7s

SJA 24 03:53:19.9:0.8, 24.25S:67.22W, h194km, zkm, ML3.7, MW3.7
GUC 24 03:53:22.6:0.6, 24.26S:67.40W, h190km, zkm, ML4.2
IDC 24 03:53:27.5:3.9, 23.62S:66.93W, h216km, zkm, mb2.9/4, mbtmp3.5/7, Error ellipse: s-maj=45.5km s-min=17.6km az=32.0

Main table for station 24d 4h, listing codes, station names, and coordinates. Includes stations like AF01 San Pedro de A, AF01 San Pedro de A, SLA San Lorenzo, etc.

IDC 24 04:00:05.2:3.6, 55.54N:86.03E, h0km, mbtmp2.7/2, ML2.2/2, Error ellipse: s-maj=30.2km s-min=24.5km az=34.0, Southwestern Siberia
MEX 24 04:04:27.3:2.1, 17.72N:104.68W, h0km, mb3.7/7, mbtmp3.8/9, ML3.4/2, MS3.5/8, Error ellipse: s-maj=65.1km s-min=36.6km az=27.0

24d 4h

az=210.0
ISC 24 04:04:29.1+0.8, 17.933N, 0106.104785W, 0106, h10km,
n158, c2553, 188, mb4.3/26, MS3.5/5, Off coast of

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists various stations like MMIM, ANIG, UON, etc.

2018 DEC

Table with columns: TREL, Terrell, 16.71 27, Pn, 04 08 24.5 +1.0. Lists various stations like WFTS, ANMO, AMTX, etc.

1600

Table with columns: NEIC 24 04:58:48.1+1.5, 32.730N, 0108:47:6E, 011, h10km, 1km, mb4, 1/24, Error ellipse: s-maj=18.1km s-min=9.6km az=230.0. Lists various stations like IKFM, ILBA, IKCH, etc.

ISC 24 04:58:46.6+1.5, 32.777N, 47:54E, h0km, mb3.9/12, mbimp3.9/14, ML3.3/2, MS3.5/4, Error ellipse: s-maj=31.2km s-min=17.7km az=4-0
TEH 24 04:58:46.6, 32.777N, 47:58E, h8km, 28km, ML3.9
ISN 24 04:58:46.6, 0.7, 32.775N, 47:55E, h6km, 3km, ML3.8

24d 5h

2018 DEC

1602

Table with columns: 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 Smoothing, Elevation Smoothing, Azimuth Dithering, Elevation Dithering, Azimuth Drift, Elevation Drift, Azimuth Bias, Elevation Bias, Azimuth Offset, Elevation Offset, Azimuth Scale, Elevation Scale, Azimuth Zero, Elevation Zero, Azimuth Gain, Elevation Gain, Azimuth Loss, Elevation Loss, Azimuth Noise, Elevation Noise, Azimuth Interference, Elevation Interference, Azimuth Correlation, Elevation Correlation, Azimuth Coherence, Elevation Coherence, Azimuth Consistency, Elevation Consistency, Azimuth Reliability, Elevation Reliability, Azimuth Validity, Elevation Validity, Azimuth Status, Elevation Status, Azimuth Comment, Elevation Comment.

Table with columns: 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 Smoothing, Elevation Smoothing, Azimuth Dithering, Elevation Dithering, Azimuth Drift, Elevation Drift, Azimuth Bias, Elevation Bias, Azimuth Offset, Elevation Offset, Azimuth Scale, Elevation Scale, Azimuth Zero, Elevation Zero, Azimuth Gain, Elevation Gain, Azimuth Loss, Elevation Loss, Azimuth Noise, Elevation Noise, Azimuth Interference, Elevation Interference, Azimuth Correlation, Elevation Correlation, Azimuth Coherence, Elevation Coherence, Azimuth Consistency, Elevation Consistency, Azimuth Reliability, Elevation Reliability, Azimuth Validity, Elevation Validity, Azimuth Status, Elevation Status, Azimuth Comment, Elevation Comment.

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 Smoothing, Elevation Smoothing, Azimuth Dithering, Elevation Dithering, Azimuth Drift, Elevation Drift, Azimuth Bias, Elevation Bias, Azimuth Offset, Elevation Offset, Azimuth Scale, Elevation Scale, Azimuth Zero, Elevation Zero, Azimuth Gain, Elevation Gain, Azimuth Loss, Elevation Loss, Azimuth Noise, Elevation Noise, Azimuth Interference, Elevation Interference, Azimuth Correlation, Elevation Correlation, Azimuth Coherence, Elevation Coherence, Azimuth Consistency, Elevation Consistency, Azimuth Reliability, Elevation Reliability, Azimuth Validity, Elevation Validity, Azimuth Status, Elevation Status, Azimuth Comment, Elevation Comment.

Mn:1.25; Mo:1.69; Mp:2.95; Mr:2.44; Ms:-0.03; Mv:2.31;
Fault plane solution: NA.22000x1015 NP1:
q=322.00000; s=80.00000; p=157.00000; N:P2:
q=217.00000; s=835.00000; p=162.00000;

NEIC 24 05:42:38.5 1.3, 34:15N, 0:07:14.1; 5E:0:1, h10km, 1km,
mb4.6/88 Error ellipse: s-maj=16.2km s-min=9.8km
az=123.0

ISC 24 05:42:39.8 1.1, 34:10N, 0:06:14.1; 56E:0:05, h26km, 6km,
n232, s1932/225, mb4.5/89, MS4.2/37, 7C-9D, Off east
coast of Honshu

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time Res, ISC. Includes stations like BOSO, KJUC, JMKM, etc.

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time Res, ISC. Includes stations like MAJO, JIOF, JMMB, etc.

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

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time Res, ISC. Includes stations like USA08, YSS, JOW, etc.

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time Res, ISC. Includes stations like CN2, CN2, CN2, etc.

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

Table with columns: ZAK, ZAK, ZAK, ZAK, ZAK. Includes stations like ZAK, ZAK, ZAK, ZAK, ZAK.

Table with columns: ZAK, ZAK, ZAK, ZAK, ZAK. Includes stations like ZAK, ZAK, ZAK, ZAK, ZAK.

Table with columns: ZAK, ZAK, ZAK, ZAK, ZAK. Includes stations like ZAK, ZAK, ZAK, ZAK, ZAK.

Table with columns: ZAK, ZAK, ZAK, ZAK, ZAK. Includes stations like ZAK, ZAK, ZAK, ZAK, ZAK.

Table with columns: ZAK, ZAK, ZAK, ZAK, ZAK. Includes stations like ZAK, ZAK, ZAK, ZAK, ZAK.

Table with columns: ZAK, ZAK, ZAK, ZAK, ZAK. Includes stations like ZAK, ZAK, ZAK, ZAK, ZAK.

Table with columns: ZAK, ZAK, ZAK, ZAK, ZAK. Includes stations like ZAK, ZAK, ZAK, ZAK, ZAK.

Table with columns: D25K, D25K, D25K, D25K, D25K. Includes stations like D25K, D25K, D25K, D25K, D25K.

Table with columns: D25K, D25K, D25K, D25K, D25K. Includes stations like D25K, D25K, D25K, D25K, D25K.

Table with columns: D25K, D25K, D25K, D25K, D25K. Includes stations like D25K, D25K, D25K, D25K, D25K.

Table with columns: D25K, D25K, D25K, D25K, D25K. Includes stations like D25K, D25K, D25K, D25K, D25K.

Table with columns: D25K, D25K, D25K, D25K, D25K. Includes stations like D25K, D25K, D25K, D25K, D25K.

Table with columns: D25K, D25K, D25K, D25K, D25K. Includes stations like D25K, D25K, D25K, D25K, D25K.

Table with columns: D25K, D25K, D25K, D25K, D25K. Includes stations like D25K, D25K, D25K, D25K, D25K.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like AK11 Malin Array Si, AK05 Malin Array Si, AK18 Malin Array Si, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like ROM 24 05:55:21.9, 0.1, 42:458N, 0:005:13:349E, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like JOB Onbets, JOB Onbets, JOB Churui, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like NEIC 24 05:59:10.6, 2.0, 53:30N, 0:09:163:5W, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like E29K comp=2.4,1nm,1.0s, E24K Your Creek, E23K Nanushuk River, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like DJA 24 06:24:0.7, 0.6, 8:55'x11:9'E, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like IDC 24 06:26:06.9, 1.7, 54:99N, 164:68E, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like KRSS, KRST, KOPYTO, NALYTICHEVO, etc.

IDC 24 06:29:09.9.3.2.54:32N:87.25E, h0km, mbmp2.8/2, ML2.2/2, Error ellipse: s-maj=27.3km s-min=19.8km az=54.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az2, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like H46RU, ZALV, ZALV, KURBB, etc.

NOU 24 06:32:21.5.38.40S:176.30E, h162km, MLV3.6/18, North Island, New Zealand

WEL 24 06:32:24.8.1.1.38.5S:17.6E, h133km, 10km, M2.6/29, ML2.5/8, MLV2.6/29, Error ellipse: s-maj=9.2km s-min=6.0km az=84.3, confirmed

ISC 24 06:32:18.8.1.5.38.27S:0.04:176.22E:0.04, h184km, 8km, n135, 0.15/54/150, North Island

Table with columns: Code, Station Name, Az, Az2, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like HRZR, UTU, HLRZ, GRRZ, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like WRZ, MKAZ, PRGT, etc.

IDC 24 06:42:27.0.418.0.6:29S:106.00E, h0km, Error ellipse: s-maj=277.7km s-min=126.8km az=17.0, Sunda Strait

Table with columns: Code, Station Name, Az, Az2, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like I06AU, I07AU, I52BG, etc.

IDC 24 06:50:48.0.6.54:12N:87.62E, h0km, mbmp2.5/2, ML2.2/2, Error ellipse: s-maj=30.9km s-min=19.2km az=46.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az2, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like H46RU, ZALV, ZALV, KURBB, etc.

IDC 24 06:59:31.7.3.54:15N:86.88E, h0km, mbmp2.8/2, ML2.7/2, Error ellipse: s-maj=29.1km s-min=16.6km az=54.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az2, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like H46RU, ZALV, ZALV, KURBB, etc.

ASRS 24 07:06:29.0.1.3.53:72N:01:90:98E:0:01, h0km, M2.4, 212 P + CD-ROM, 2020. The earthquakes of Russia in 2018. Obninsk, GS RAS,

NNC 24 07:06:31.4.1.5.53:15N:91.51E, h0km, mb3.6, mpv3.5, 5C-8D, Error ellipse: s-maj=11.5km s-min=7.9km az=80.0, Suspected Mining explosion., Southwestern Siberia

Table with columns: Code, Station Name, Az, Az2, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like ZAAO, ZAAO, KURK, etc.

RSNC 24 07:13:34.2.0.9.N:3:73W:1, h119km, 5km, M1.4, ML1.4, Northern Colombia

Table with columns: Code, Station Name, Az, Az2, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like OCAC, OCAC, OCAC, etc.

IDC 24 07:14:28.1.3.6.53:83N:88.20E, h0km, mbmp2.8/3, ML2.1/3, Error ellipse: s-maj=34.9km s-min=20.8km az=48.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az2, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like I46RU, ZALV, ZALV, KURBB, etc.

IPEC 24 07:16:01.5.0.3.51:53N:16:29E, h1km, ML2.2/5, Error ellipse: s-maj=3.0km s-min=1.5km az=69.0

DNK 24 07:16:02.0.1.6.51:26N:14:91E, h47km, 23km, ML1.9, VIE 24 07:16:04.2.1.5.51:34N:16:71E, h0km, ml2.7/1, Error ellipse: s-maj=8.9km s-min=7.9km az=161.0, Suspected Mining induced.

PRU 24 07:16:04.8.51:40N:16:13E, h0km, ISC 24 07:16:01.1.0.8.51:55N:0:03:16:14E:0:03, h0km, n30, 0.079/5/6, Poland

Table with columns: Code, Station Name, Az, Az2, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like KSP, KSP, CHVC, etc.

DPC Dobruska-Polom 1.20 174 ePg Pg 07 16 23.7 -0.4 DPC 0.8m,0.2s eSg Sg 07 16 38.5 -1.2 PIVO Bartosovice 1.39 169 ePg Pg 07 16 27.0 -0.6

PIVO 42m,0.2s,baz=353 eSg Sg 07 16 44.0 -1.5 PVCC Polska Vez 1.42 225 ePg Sb 07 16 28.6 +0.1 PVCC 0.2,66m,0.3s eSg Sb 07 16 46.9 -0.2

KRUC Krailky 1.53 164 ePg Pg 07 16 29.9 +0.2 KRUC 0.8m,0.2s eSg Pg 07 16 48.5 +1.6 BRG Berggiesshobel 1.54 245 ePg Pg 07 16 29.4 -0.4

BRG 0.8m,0.2s ePg Pg 07 16 30.8 +0.3 BRG 0.8m,0.2s ePg Sb 07 16 50.8 +0.3 PRU comp=Z.41m,0.4s ePg Amp 07 16 52.2

PRU 1.86 214 ePg Pg 07 16 35.7 -0.2 PRU comp=Z.14m,0.2s eSg Sg 07 17 01.4 +0.6 HSKC Hora Svate Kat 1.95 242 ePg Sb 07 16 37.4 -0.1

HSKC 0.8m,0.2s ePg Sb 07 17 02.6 +0.3 CLL Colim 1.98 264 iPg x 07 16 38.2 +0.3 CLL ix 07 16 42.0

CLL 0.8m,0.2s eSg Sg 07 17 05.6 +1.0 MORC Moravsky Berou 1.98 153 ePn Pn 07 16 35.4 -0.5 MORC 0.8m,0.2s eSg Sg 07 17 01.8 +0.3

MORC 1.98 153 ePn Pn 07 16 35.3 -0.6 MORC comp=Z.336 eSg Sg 07 17 01.7 +0.3 OKC Ostrava-Krasne 2.13 142 eSg Sb 07 17 08.0 +0.4

VRAC 2.26 172 ePn Pn 07 16 39.4 -0.3 VRAC 0.8m,0.2s eSg Sb 07 17 10.9 -0.3 TREC Trest 2.29 191 eSg Pg 07 17 11.3 -0.9

MAUC Maruska 2.43 153 ePg Pg 07 16 45.6 +0.8 KRUC Moravsky 2.49 176 ePg Pg 07 16 43.0 +0.1 KRUC 0.8m,0.2s eSg Sb 07 17 18.9 -0.1

OJC Ojcow 2.67 118 ePg Pg 07 16 52.5 +0.2 OJC 0.8m,0.2s eSg Sg 07 17 27.0 +0.1 NKJ Novy Kostel 2.68 242 eSg Sg 07 17 27.6 +0.1

KHC Kasperske Hory 2.92 215 ePn Pn 07 16 49.1 +0.3 KHC 0.8m,0.2s ePn Pn 07 16 54.9 +0.8 KHC 0.8m,0.2s eSg Sg 07 17 23.4 -1.2

KHC 0.8m,0.2s eSg Sg 07 17 32.8 -2.1 CKRC Cesky Krumlov 2.97 204 ePn Pn 07 16 50.0 +0.5 CKRC 0.8m,0.2s ePn Pn 07 16 56.0 +1.1

CKRC 0.8m,0.2s eSg Sg 07 17 37.3 +2.0 LAWS Liptovska Anna 3.21 137 eSg Sb 07 17 43.7 -0.4 MODS Modra-Piesok 3.26 167 eSg Sg 07 17 45.5 -0.2

CONA Conrad Observa 3.62 183 iPn Pn 07 16 59.3 +0.8 CONA 0.8m,0.2s eSg Sg 07 17 56.5 -1.0 CONA comp=Z.3.0m,0.3s eSg Sg 07 17 58.8 0.0

BSD Bornholm Skovb 3.65 349 iPn IAML 07 17 38.7 BSD 0.8m,0.2s eSg Sg 07 17 41.2 -1.3 BTHS Stebnicka Huta 3.89 121 eSg Sg 07 16 36.7 +0.4

BLEU Blekvinge 4.77 358 iPn Pn 07 17 14.9 +0.7 BLEU 0.8m,0.2s eSg Sg 07 18 08.7 -1.5 BLEU 0.8m,0.2s eSg Sg 07 18 09.9

DEL Delay 5.11 346 iPn Pn 07 17 18.6 -0.3 DEL 0.8m,0.2s eSg Sg 07 18 18.2 DEL comp=Z.0.5m,0.4s eSg Sg 07 18 18.2

NNC 24 07:17:07.7.1.4.48:50N:78:86E, h0km, mb3.2, mpv2.6, Error ellipse: s-maj=24.8km s-min=4.7km az=60.0

IDC 24 07:17:07.4.1.3.49:70N:81:54E, h0km, mbmp2.5/2, ML2.5/1, Error ellipse: s-maj=18.4km s-min=9.5km az=55.0

ISC 24 07:17:08.6.1.3.49:64N:07:81:4E:0.1, h10km, n8, 0.183/7, 4C-3D, Eastern Kazakhstan

24d 7h

Table with columns for station name, frequency, and other technical details. Includes entries for MK31, MKAR, MKAP, ZALV, and H46RU.

SJA 24 07:18:16.6:0.6,21.54S:68.45W, h141km, 4km, M/L3.7, MW3.7

VAO 24 07:18:17.0:2.7, 21.63S:68.14W, h124km, 9km, mb4.4

NEIC 24 07:17:9.1:6.2, 21.57S:05.68W, 4L0.0, h140km, 5km, mb4.3/14, Error ellipse: s-maj=10.6km s-min=7.1km

IDC 24 07:18:19.0:2.6, 21.45S:68.09W, h131km, 28km, mb3.7/5, mbtmp4.0/8, Error ellipse: s-maj=34.0km s-min=18.8km

GUC 24 07:18:19.4:0.8, 21.58S:68.48W, h125km, 3km, ML3.6

ISC 24 07:18:17.1:1.0, 6.21S:93.03, 68.43W, 0.04, h139km, 6km, n93, c189/121, mb4.1/8, 7C, Chile-Bolivia border region

Main table for station 24d 7h, listing various stations like IPOC Station P, IPOC Station P, IPOC Station P, etc., with their respective frequencies and other parameters.

2018 DEC

Table listing stations like SALV, PDRB, ITAB, and ARAG with their frequencies and coordinates.

MACA Manacapurú-AM 19.75 23 P P 07 22 35.8 -0.6

MACA Manacapurú-AM 19.75 23 P P 07 22 35.8 -0.6

VAO Valinhos 19.92 38 P P 07 23 38.1 -0.2

BDFB Brasília 20.21 77 P P 07 22 41.2 -0.2

BDFB Brasília 20.21 77 P P 07 22 41.2 -0.2

ITTB Itaituba 21.05 38 P P 07 22 49.7 -0.6

MALZ Monte Alegre, 23.85 37 P P 07 23 19.2

BOAV Boa Vista 25.01 19 P P 07 23 29.6 +1.2

BOAV Boa Vista 25.01 19 P P 07 23 29.6 +1.2

RARB Riachuelo 31.54 68 P P 07 24 56.2 -1.6

PPDR Patillas Dam, 39.38 4 P P 07 25 32.4 -0.9

SNAE Sanae 62.10 161 P P 07 28 23.6 +0.7

SNAE Sanae 62.10 161 P P 07 28 23.6 +0.7

SNAE Sanae 62.10 161 P P 07 28 23.6 +0.7

DBIC Dimbokro 68.32 73 P P 07 29 05.6 +1.7

DBIC Dimbokro 68.32 73 P P 07 29 05.6 +1.7

QSPA South Pole Qui 66.86 180 P P 07 29 08.0 +2.7

QSPA South Pole Qui 66.86 180 P P 07 29 08.0 +2.7

QSPA South Pole Qui 66.86 180 P P 07 29 08.0 +2.7

TORD Torodi Ar. Bea 76.95 70 P P 07 29 55.2 +0.4

TORD Torodi Ar. Bea 76.95 70 P P 07 29 55.2 +0.4

YKA Yellowknife Ar 91.37 340 P P 07 31 09.7 +2.9

YKA Yellowknife Ar 91.37 340 P P 07 31 09.7 +2.9

YKA Yellowknife Ar 91.37 340 P P 07 31 09.7 +2.9

ISC 24 07:18:22.6:1.1, 54.48N:164.25E, h46km, 29km, M/L3.7

IDC 24 07:18:28.8:1.7, 55.25N:163.00E, h0km, mb3.4/4, mbtmp3.3/5, M/L2.0/1, Error ellipse: s-maj=55.9km

ISC 24 07:18:24.0:1.8, 54.48N:164.5E, 0.1, h3km, 27km, n29, c111/141, mb3.5/4, Komandorsky Islands region

Table listing stations like BKI, KBTR, KBTR, KBTR, etc., with their frequencies and coordinates.

PETK Petropavlovsk 4.14 254 Pn 07 20 14.8 0.0

MTVR Mutnovka 4.19 244 Pn 07 21 51.1 +0.8

GRL Gorelyy 4.21 245 Pn 07 21 52.1 +1.0

ILAR Eielson Array 25.98 47 P 07 24 02.9 +9.4

KURBB Kurchatov Arra 49.20 303 P 07 27 10.4 +0.9

MKAR Makanchi Array 49.86 297 P 07 27 14.9 +0.9

TXAR Lajitas Array 67.72 71 P 07 29 32.2 +1.4

IDC 24 07:20:45.7:1.2, 54.52N:164.26E, h0km, mb3.5/6, mbtmp3.5/7, M/L2.5/1, MSL2.3/1, Error ellipse: s-maj=42.3km

KRSC 24 07:20:46.0:1.5, 54.47N:164.25E, h47km, 34km, M/L3.8

ISC 24 07:20:45.8:2.0, 54.50N:163.32E, 0.07, h6km, 14km, n39, c152/54, mb3.6/6, Komandorsky Islands region

Table listing stations like BKI, KBTR, KBTR, KBTR, etc., with their frequencies and coordinates.

1606

Table listing stations like UGLR, KRER, KRER, ESO, ESO, etc., with their frequencies and coordinates.

MTVR Mutnovka 4.19 244 Pn 07 21 51.1 +0.8

GRL Gorelyy 4.21 245 Pn 07 21 52.1 +1.0

KDTR Khodutka, Kamc 4.62 237 LR 07 21 53.5 -2.6

SHEM Shoyda Is, Ala 6.08 103 LR 07 24 07.9

ILAR Eielson Array 25.98 47 P 07 24 02.9 +9.4

YKA Yellowknife Ar 91.37 340 P P 07 31 09.7 +2.9

KURBB Kurchatov Arra 49.20 303 P 07 27 10.4 +0.9

MKAR Makanchi Array 49.86 297 P 07 27 14.9 +0.9

TXAR Lajitas Array 67.72 71 P 07 29 32.2 +1.4

ASAR Alice Springs 82.13 208 P 07 33 07.7 +0.5

IDC 24 07:30:20.1:3.5, 54.39N:87.53E, h0km, mbtmp2.8/2, ML1.6/1, Error ellipse: s-maj=26.8km s-min=18.6km

az=51.0, Southwestern Siberia

H46RU ZALESOVO INFRA 1.65 256 I Op 07 30 49.0 -1.3

ZALV Zalesovo Beam 1.65 256 Pg 07 31 42.7 -1.0

ZALV Zalesovo Beam 1.65 256 Pg 07 31 42.7 -1.0

KURBB Kurchatov Arra 6.66 239 Lg 07 31 58.5 -0.6

KURBB Kurchatov Arra 6.66 239 Lg 07 31 58.5 -0.6

MKAR Makanchi Array 8.30 206 Pn 07 32 23.3 +1.7

MKAR Makanchi Array 8.30 206 Pn 07 32 23.3 +1.7

MKAR Makanchi Array 8.30 206 Pn 07 32 23.3 +1.7

MKAR Makanchi Array 8.30 206 Pn 07 32 23.3 +1.7

TRN 24 07:31:17.5, 10.83N:62.20W, h70km, M/D3.7, North of Paria peninsula, Near coast of Venezuela

PSMG Mucurapo Girls 0.67 104 Op 07 31 32.5 +0.5

PSMH Kent House, Po 0.68 103 Op 07 31 42.8 +0.6

PSKH Port of Spain 0.70 104 Op 07 31 42.8 +0.6

PSGH Grenville 1.42 202 Op 07 31 40.9 -0.2

GRWR Mount Saint Ca 1.42 22 Op 07 31 51.1 +0.2

GRWR Grenville 1.42 202 Op 07 31 40.9 -0.2

GRWR Grenville 1.42 202 Op 07 31 40.9 -0.2

GRWR Grenville 1.42 202 Op 07 31 40.9 -0.2

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GRWR Grenville 1.42 202 Op 07 31 40.9 -0.2

GRWR Grenville 1.42 202 Op 07 31 40.9 -0.2

GRWR Grenville 1.42 202 Op 07 31 40.9 -0.2

GRWR Grenville 1.42 202 Op 07 31 40.9 -0.2

GRWR Grenville 1.42 202 Op 07 31 40.9 -0.2

1607

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KURBB Kurchatov Arra, MK31 Makanchi Array, etc.

IDC 24 07:45:38.0.4.0.1, 53.77N-87.03E, h0km, mbtmp2.7/2, ML2.7/1, Error ellipse: s-maj=31.4km s-min=17.7km az=61.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

JMA 24 07:46:50.4.0.1, 42.3N-144.39E, h44km, M3.6, Moment Tensor Solution. s3 Moment tensor: Scale 10^14Nm

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SKHL 24 07:46:50.0.1.5, IDC 24 07:46:50.0.1.5, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JAK Akkeshi, JOB Onbets, etc.

ASAJ Asahikawa 2.26 325 P Pn 07 47 27.4 +2.4

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KSRS Korea Array, YAK Yakutsk, etc.

IDC 24 08:09:44.6.3.1, 9.55S-118.80E, h0km, mbtmp2.6/3, ML2.1/3, Error ellipse: s-maj=48.0km s-min=29.5km az=39.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

2018 DEC

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

JMA 24 08:19:54.1.0.7, 34.1N-114.1E, h29km, MV3.1/25, FAR SE OFF BOSSO PEN

IDC 24 08:19:56.1.2.8, 33.21N-139.44E, h0km, mb3.4/4, mbtmp2.4/5, ML2.6/1, Error ellipse: s-maj=115.7km s-min=20.8km az=74.0

ISC 24 08:19:52.0.1.7, 34.00N-109.1417E, h24km, n13, s086/14, mb3.6/4, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BSO1 Boso 1, BSO3 Boso 3, etc.

WRA Warramunga Arr 54.10 189 P Pn 08 29 14.6 -0.3

ASAR Alice Springs 57.82 188 P Pn 08 29 42.6 +1.1

IDC 24 08:22:41.0.0.8, 57.74N-156.43W, h0km, n127km, 2km, Error ellipse: s-maj=7.8km s-min=6.0km az=151.0

NEIC 24 08:22.42.2.0.8, 57.73N-156.48W, h0km, n121km, 5km, ML3.6, mb4.3/60(NEIC), ML3.8/103(NEIC), Error ellipse: s-maj=7.2km s-min=7.0km az=149.0

ISC 24 08:22:41.0.0.8, 57.73N-156.46W, h0km, n129km, 4km, n266, s131/283, mb4.2/45, Alaska Peninsula

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PLK1 Peulik 1, PLK2 Peulik Blue Cr, etc.

ANCK Angle Creek 0.66 52 Pn 08 23 01.2 -0.3

ACHA Anchor Creek He 0.73 55 Pn 08 23 01.7 -0.3

Q16K King Salmon 0.89 354 Pn 08 23 02.9 -0.3

KAHC Katmai Hardscr 1.15 41 Pn 08 23 05.3 -0.3

Q18K Katmai Hardscr 1.15 41 Pn 08 23 05.3 -0.3

KAHC Katmai Hook Gl 1.23 55 Pn 08 23 06.7 0.0

ANPB Aniakchak Plen 1.40 225 Pn 08 23 07.2 -1.3

P17K Kvichak River 1.40 1 Pn 08 23 08.1 -0.2

P16K Nushagak River 1.48 328 Pn 08 23 08.8 -0.3

P16K Nushagak River 1.48 328 Pn 08 23 08.8 -0.3

P18K Big Mountain, 1.73 21 Pn 08 23 12.0 -0.1

P18K Big Mountain, 1.73 21 Pn 08 23 11.7 -0.4

SII Sitkinak Island 1.75 134 Pn 08 23 11.1 -1.3

SII Sitkinak Island 1.75 134 Pn 08 23 11.1 -1.3

O17K Koliganek Bris 2.01 351 Pn 08 23 15.1 -0.3

CHIR Chirikof Island 2.03 166 Pn 08 23 13.6 -2.1

CHIR Chirikof Island 2.03 166 Pn 08 23 13.7 -2.1

KDAK Kodiak Island 2.08 89 Pn 08 23 15.7 -0.6

24d 8h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AUL Augustine Lava, AUN2 Augustine Moun, etc.

P19K Oil Pt 2.51 41 Pn 08 23 22.2 +0.4

O19K Port Alsworth 2.65 24 Pn 08 23 23.5 0.0

O19K Port Alsworth 2.65 24 Pn 08 23 23.4 0.0

N17K Nushagak Hills 2.76 353 Pn 08 23 24.7 -0.3

N17K Nushagak Hills 2.76 353 Pn 08 23 24.7 -0.3

N15K Kwethluk River 3.03 323 Pn 08 23 28.2 -0.2

O14K Tiguykaiwet M 2.91 302 Pn 08 23 26.7 -0.1

SVW2 Sparrevohn 3.34 7 Pn 08 23 33.1 +0.6

CHNA Chernabura Isl 3.45 212 Pn 08 23 31.2 -2.5

BRLL Bradley Lake 3.51 53 Pn 08 23 33.9 -0.8

BRSE Bradley Lake S 3.56 54 Pn 08 23 34.9 -0.5

M17K Holitna River 3.65 353 Pn 08 23 36.3 -0.1

M18K Stony River 3.72 5 Pn 08 23 37.5 0.0

S12K Black Hills 3.73 238 Pn 08 23 37.2 -0.4

S12K Black Hills 3.73 238 Pn 08 23 37.0 -0.5

CAPN Captain Cook N 4.04 40 Pn 08 23 43.8 +2.2

M14K Bethel 4.09 319 Pn 08 23 41.9 -0.4

SLKM Skiak Lake 4.21 47 Pn 08 23 46.4 +0.7

L16K Owhat River 4.21 340 Pn 08 23 44.0 +0.1

SEW Seward 4.31 55 Pn 08 23 44.6 -0.6

Q22K Cooper Landing 4.39 49 Pn 08 23 46.3 0.0

STLK Strandline Lak 4.39 30 Pn 08 23 47.3 +0.9

M20K Styx River 4.43 21 Pn 08 23 48.1 +1.2

L18K Granite Mounta 4.44 359 Pn 08 23 46.8 -0.1

L18K Granite Mounta 4.44 359 Pn 08 23 46.8 -0.1

L19K White Mountain 4.47 10 Pn 08 23 47.9 +0.5

FIS Fire Island 4.63 41 Pn 08 23 50.1 +0.7

SUA Susitna One 4.68 36 Pn 08 23 50.6 +0.2

L14K Kuka Creek 4.76 321 Pn 08 23 50.5 -0.6

L14K Kuka Creek 4.76 321 Pn 08 23 50.3 -0.8

24d 8h

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, ISC. Lists various stations like PMR, KNK, GHO, Q23K, etc., with their respective coordinates and data.

2018 DEC

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, ISC. Lists stations like SRU, ULM, HMU, PV10, etc., with their respective coordinates and data.

1608

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, ISC. Lists stations like KNRA, FITZ, PSA00, MBWA, etc., with their respective coordinates and data.

1611

Table with 5 columns: Call Sign, Frequency, Power, Modulation, and Other Data. Includes stations like NORSAR Array B, HFS Hagfors, NIL Nilore, etc.

Table with 5 columns: Call Sign, Frequency, Power, Modulation, and Other Data. Includes stations like MANU Manaus Island, PMG Port Moresby, etc.

2018 DEC

Table with 5 columns: Call Sign, Frequency, Power, Modulation, and Other Data. Includes stations like WARRAMUNGA ARR, WARRAMUNGA ARR, WARRAMUNGA ARR, etc.

Table with 5 columns: Call Sign, Frequency, Power, Modulation, and Other Data. Includes stations like SAUI Saumlaki, SAUI Saumlaki, SAUI Saumlaki, etc.

24d 8h

Table with 5 columns: Call Sign, Frequency, Power, Modulation, and Other Data. Includes stations like KAKADU, KENDARI, RANSIKI, KUNUNURRA, etc.

Table with columns: YKA, MLOA, NEW, WMQ, KURKB, MK31, MKAR, GOMU, BVAR, NVAR, PZH, PDAR, AAK, KKR, FINES, BT, GAR, CHGR, NB2, NOA, HFS, TX31, TXAR, AKASG, EKA, KBZ, BRTR, WRA, ASAR, ESDC, STKA. Includes station names, coordinates, and various codes.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes station names like ZALESOVO INFRRA and ZALV.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes station names like PYL, ANKY, GVD, IMMV, VLI, etc.

Table with columns: LUZHM, CHRU, VRAC, VRAC, NE56, NDN, BALX, LKV, LUBAR, RNP5, RNP2, RNP8, AK07, AK13, AK14, AK17, AK08, AK01, AKAS, AKKB, ESDC, KBZ, TORD, TORD, EKA, HFS, FINES, DBIC, ARTI, ARCES, BVAR, KURBB, MKAR, SONM, WRA, ASAR. Includes station names and coordinates.

IDC 24 09:13:45.8 0.7, 33.98N:141.59E, h0km, mb4.0/17, mbmp4.0/21, ML3.3/4, MS3.7/7, Error ellipse: s-maj=18.3km s-min=15.9km az=47.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes station names like BSO1, BSO3, BSO4, KTR, JKUC, JMKN, JMJK, etc.

Table with columns: CN2, CN2, BNX, BNX, NJ2, HEH, HEH, HEH, XLT, XLT, XLT, ZEA, ZEA, HIA, HIA, HHC, HHC, HHC, HHC, H1N2, H1N1, H1N3, YAK, YAK, ULN, ULN, SHEM, SONM, CD2, CD2, CD2, CD2, PZH, PZH, BILL, BILL, GOMU, GOMU, GOMU, TIXI, TIXI, ZALV, ZALV, MK31, MKAR, MTN, KURK, KURK, E19K, E19K, KURBB, B21K, B21K, E22K, C23K, E23K, KNRA, TOLK, D24K, COLA, COLA, ILAR, D25K, E25K, BRVK, BRVK, BMAR, F26K, C27K, C27K, FITZ, WRA, WRA, CHGR, CHGR, CHGR, SIMJ, AS31, AS31, FARO, FARO, ARTI, ARTI, ARTI, ARTI, ARTI, ABKAR, ABKAR. Includes station names and coordinates.

1615

Table with columns for call ID, name, frequency, mode, and signal strength. Includes stations like KRSR, KPT, KLY, KRMK, etc.

2018 DEC

Table with columns for call ID, name, frequency, mode, and signal strength. Includes stations like NKL, NKL, NKL, NKL, NKL, etc.

24d 10h

Table with columns for call ID, name, frequency, mode, and signal strength. Includes stations like YAK, YAK, YAK, YAK, YAK, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PESTR Estremoz, PACT Alcochete, WHFO Wadi Hawf, etc.

ISC 24 10:56:36.5 0.7 54.53N, 164.13E, h0km, mb3.8/14, mbmp3.8/15, ML2.4/1, MS3.5/1, Error ellipse: s-maj=23.9km s-min=14.5km az=159.0

KRSC 24 10:56:37.1 1.1 54.52N, 164.32E, h49km, 24km, ML2.2 NEIC 24 10:56:38.0 0.9 54.5N, 0.2-164.3E, 0.2, h10km, 2km, mb4.2/30, Error ellipse: s-maj=41.7km s-min=18.3km az=165.0

ISC 24 10:56:39.2 0.6 54.56N, 164.31E, h0.05, h17km, n82, s1505/85, mb4.1/30, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BKI Bering, KBTR Krutoberegovo, BZGR Bezymyanni-Gr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like F20K Avaraart Lake, IMAR Indian Mountain, G21K Allakaket, etc.

NIC 24 10:58:43.0 35.60N, 31.32E, h0km, 1km, ML2.3/8 AFAD 24 10:58:47.6 0.0 35.65N, 31.59E, h20km, 2km, ML2.4

ISC 24 10:58:47.5 1.3 35.61N, 0.03-31.55E, h13km, 9km, n51, s193/68, Cyprus region

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

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

MCSM 24 11:01:50.5 1.3 37.1N, 13.15E, h5km, mb3.9, ML3.9 ROM 24 11:01:50.0 0.0 37.74N, 14.97E, h1km, ML3.9

BEO 24 11:01:55.9 0.8 38.00N, 14.64E, h16km, 1km, ML4.2/6 NAO 24 11:02:33.6 41.54N, 15.56E, h33km, mb3.9

ISC 24 11:01:52.2 0.7 37.85N, 0.06-15.17E, h10km, n62, s174/65, mb3.6/9, 8C-4D, Sicily

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VAE Valguarnera, CEL Celest, TIP Tipogrando, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like Kingsbay, Spitsbergen Ar, Kurchatov, etc.

IDC 24 11:18:58.7-5.0, 23.173x179.35E, h582km, 44km, mb3.0/5, mbtmp3.9/6, Error ellipse: s-maj=11.0km s-min=18.8km

ISC 24 11:18:54.2-1.4, 23.8S:0.3:179.7E:0.2, h550km, n7, s13677, mb3.5/5, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like Nonsavu, Alice Springs, Warramunga Arr, etc.

KRSC 24 11:25:19.8:1.3, 54.545N:164.27E, h42km, 32km, M3.7 IDC 24 11:25:20.2:2.0, 54.62N:164.20E, h0km, mb3.4/5, mbtmp3.4/6, ML2.3/1, Error ellipse: s-maj=62.5km s-min=22.5km az=168.0

ISC 24 11:25:21.4:3.9, 54.50N:164.32E:0.07, h17km, 27km, n32, s1950/44, mb3.5/5, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like Bering, Krutoberegovo, Bezmyanni-Gr, etc.

IDC 24 11:30:02.3:1.0, 54.54N:164.15E, h0km, mb3.6/7, mbtmp3.6/8, ML2.5/1, MS2.9/1, Error ellipse: s-maj=31.8km s-min=19.4km az=149.0

KRSC 24 11:30:03.0:1.6, 54.53N:164.25E, h64km, 31km, M3.9 IDC 24 11:30:03.8:0.8, 54.53N:164.31E:0.05, h17km, n41, s1956/56, mb3.6/8, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like Bering, Krutoberegovo, Bezmyanni-Gr, etc.

ISC 24 11:33:18.7:0.9, 54.57N:166.164:28E:0.06, h17km, n28, s1333/35, mb3.3/4, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like Bering, Krutoberegovo, Bezmyanni-Gr, etc.

IDC 24 11:42:14.1:2.7, 4.16S:126.24E, h373km, 26km, mb2.7/2, mbtmp3.9/5, Error ellipse: s-maj=63.4km s-min=16.9km az=66.0, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like Baumata, Eielson Array, Warramunga Arr, etc.

RSNC 24 11:45:21.2:0.0, 5N:17.4W:1, h147km, 2km, M2.9, mb4.1, ML2.5, Colombia

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like San Pablo de B, Chingaza, El Rosal, etc.

NEIC 24 11:51:18.7:1.6, 24.3S:0.1:179.9W:0.2, h509km, 14km, mb4.3/16, Error ellipse: s-maj=25.8km s-min=15.2km az=113.0

IDC 24 11:51:20.2:2.6, 24.18S:179.89E, h526km, 29km, mb2.9/4, mbtmp3.9/5, Error ellipse: s-maj=32.2km s-min=21.3km az=113.0

ISC 24 11:51:17.6:0.9, 24.3S:0.1:179.9W:0.1, h500km, n25, s1523/25, mb4.2/2, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like Nonsavu, Alice Springs, Warramunga Arr, etc.

Table with columns for station ID, name, coordinates, elevation, and various data points. Includes stations like M18K Stony River, D19K Kuna River, E19K Redstone River, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Rows include stations like KKAR, AKTO, ABKAR, FINES, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Rows include stations like AKMS, AKMS, BERE, OREN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Rows include stations like SURR, ARSA, FETA, DAVOX, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Rows include stations like FITZ, WITZ, WRA, ASAR, etc.

Text block containing station coordinates and names: IDC 24 12:09:11.6... 68.0, Banda Sea

Text block containing station coordinates and names: IDC 24 12:11:57.0... 164.51E, h0km, mb3.7/14

Text block containing station coordinates and names: IDC 24 12:12:00.6... 164.56E, h2km, n88

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Rows include stations like BKI, BKI, KBTR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Rows include stations like AFAD, NIC, ISC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Rows include stations like VAE, KEST, TIR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include KOK Koryaka, KOK Koryaka, OSSR Oссора, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include KRER Ugllovaya, UGLR Ugllovaya, KRX Arak, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include TUMR Karymskiy, SPN Mys Shipunski, NLC Nalytchevo, etc.

KRSC 24 12:13:07.4e 1.2, 54.45N, 164.27E, h45km, 31km, M14.0

IDC 24 12:13:10.4e 12.0, 55.04N, 163.96E, h0km, mb3.54, mbmp3.5/4, Error ellipse: s-maj=376.0km s-min=29.4km

IDC 24 12:23:32.5e 0.9, 55.44N, 164.37E, h0km, mb3.5/14, mbmp3.5/15, ML2.7/1, Error ellipse: s-maj=26.4km

ISC 24 12:13:09.4f 1.0, 54.53N, 164.32E, h17km, n17, s190/17, mb3.4/4, Komandorsky Islands region

IDC 24 12:20:43.8e 1.0, 15.13S, 173.63W, h0km, mb4.0/6, mbmp4.0/6, Error ellipse: s-maj=42.2km s-min=24.0km

ISC 24 12:23:35.3e 1.4, 55.26N, 164.57E, h58km, 27km, M14.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include BKI Bering, BKI Bering, KBTR Krutoberegovo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include AFI Afiamalu, NIUE Niue, NIUE Wether Hill Ro, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include H11N2 WAKE ISLAND Hy 35.57 176 T, H11N3 WAKE ISLAND Hy 34.81 176 T, etc.

IDC 24 12:14:53.9f 0.7, 55.43N, 164.33E, h0km, mb3.6/16, mbmp3.6/17, ML2.8/1, MS3.1/1, Error ellipse: s-maj=21.9km s-min=14.1km az=153.0

KRSC 24 12:14:55.4f 1.5, 55.21N, 164.43E, h50km, 26km, M14.5

ISC 24 12:27:35.9e 1.0, 37.34S, 75.56W, h0km, mb3.9/6, mbmp3.8/7, ML3.6/1, MS2.8/1, Error ellipse: s-maj=43.7km s-min=21.7km az=68.0

KRSC 24 12:14:56.7e 0.5, 55.30N, 164.51E, h0km, n33, s156/67, mb3.6/17, Komandorsky Islands region

IDC 24 12:22:25.6e 2.0, 54.55N, 164.19E, h0km, mb3.4/5, mbmp3.4/6, ML2.4/1, Error ellipse: s-maj=68.7km s-min=20.6km az=165.0

ISC 24 12:27:36.0e 0.6, 37.28S, 75.34W, 0.07, h10km, n33, s156/67, mb3.6/17, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include BKI Bering, BKI Bering, KBTR Krutoberegovo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include BBOO Buclebo, WBO Warramunga Arr, WB2 Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include BI04 Isla Mocha, BI05 Punta Huano, BI05 Punta Huano, etc.

24d 12h

Table with columns: Code, Station Name, Azimuth, Elevation, P, Sn, Time, Res. Includes stations like San Fabin de, Pangipullu, Panamavida, Hanuale, Curarahue, Pichilemu, Puerto Octay, Sierra Bellavi, Juan Fernandez, etc.

IDC 24 12:34:53.0, 6.0, 55.30N, 164.41E, h0km, mb3.9/26, mbmp3.9/29, ML4, 1/3, Error ellipse: s-maj=16.7km s-min=12.0km az=159.0

KRSC 24 12:34:54.9, 1.8, 55.28N, 164.46E, h60km, mb2km, ML4, NEIC 24 12:34:55.6, 1.0, 55.3N, 164.42E, h10km, mb2km, mb4.5/35, Error ellipse: s-maj=28.9km s-min=16.8km az=155.0

MOS 24 12:34:57.4, 1.0, 55.28N, 164.41E, h51km, mb4.6/8, Error ellipse: s-maj=7.0km s-min=5.0km az=67.1

ISC 24 12:34:56.4, 0.4, 55.27N, 164.52E, 0.05, h22km, m183, @139/208, mb4.4/54, 1, C, Komandorsky Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Op, P, SNR, Time, Res. Lists stations like Bering, Krutoberegovo, Klyuchi, Krestovskiy, etc.

2018 DEC

Table with columns: Code, Station Name, Azimuth, Elevation, P, Sn, Time, Res. Lists stations like Koryaka, Oссора, Dalny, Petropavlovsk, etc.

1628

Table with columns: Code, Station Name, Azimuth, Elevation, P, Sn, Time, Res. Lists stations like Hu-ho-hao-te, Nanjing, Yellowknife Ar, Zalesovo Beam, etc.

KRSC 24 12:38:27.8, 1.3, 54.44N, 164.29E, h47km, mb3.9/30, ML3.9 IDC 24 12:38:28.1, 1.3, 54.50N, 163.38E, h0km, mb3.5/6, mbmp3.5/7, ML2.3/1, Error ellipse: s-maj=33.5km s-min=25.5km az=148.0

ISC 24 12:38:30.3, 0.9, 54.49N, 166.01E, 0.05, h25km, m28, @150/37, mb3.7/6, Komandorsky Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Op, P, SNR, Time, Res. Lists stations like Bering, Krutoberegovo, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like BZGR, TUMR, BZP, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like BZWR, KLY, KRKR, etc.

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like BZWR, KLY, KRKR, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like BZWR, KLY, KRKR, etc.

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like BZWR, KLY, KRKR, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like BZWR, KLY, KRKR, etc.

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

24d 12h

2018 DEC

1630

Table with columns for station ID, name, date, time, and various data points. Includes stations like H16K, C16K, G16K, YAK, M15K, JEM, etc.

Table with columns for station ID, name, date, time, and various data points. Includes stations like M17K, M17K, CHGN, N17K, O17K, R16K, L18K, J18K, JTM, GCSA, F19K, Q16K, A19K, C19K, P17K, G19K, M18K, N18K, ZEA, H19K, D19K, E19K, J19K, Q17K, O18K, P18K, L19K, CHNA, CHNA, P16K, C18K, H18K, G18K, B18K, M17K, M17K.

Table with columns for station ID, name, date, time, and various data points. Includes stations like D20K, E20K, I20K, TIXI, O19K, K20K, J20K, L20K, CHIR, R18K, IMAR, M20K, M20K, HEH, HEH, HEH, HEH, Q19K, Q19K, G21K, G21K, P19K, P19K, ILSW, ILSW, C21K, C21K, F21K, F21K, SII, SII, SII, H21K, H21K, E21K, E21K, CHUM, CHUM, A21K, A21K, O20K, O20K, O20K, B21K, B21K, PPLA, PPLA, CAST, CAST, CAST, SPCR.

24d 12h

Table of astronomical observations for 24d 12h. Columns include station ID (e.g., CN2, VRDI), target name (e.g., Nabesna, AK), coordinates (RA, Dec), and observation parameters (azimuth, elevation, etc.).

2018 DEC

Table of astronomical observations for 2018 DEC. Columns include station ID (e.g., K29M, YUK4), target name (e.g., Talbot Arm, Aoh Zrai Nji), coordinates (RA, Dec), and observation parameters (azimuth, elevation, etc.).

1632

Table of astronomical observations for 1632. Columns include station ID (e.g., SKAG, FARO), target name (e.g., Skagway, Farko, Yukon), coordinates (RA, Dec), and observation parameters (azimuth, elevation, etc.).

1633

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BJI Beijing, BJT Baijiatou, BJT Bob Quinn, etc.

2018 DEC

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SSE, TIY Taiyuan, EUNU Eureka, etc.

24d 12h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KBS Kingsbay, KHLH Kahului Airoport, etc.

24d 12h

2018 DEC

1634

Table with columns for station name, frequency, and various signal quality metrics (e.g., S, P, I, M, R, L, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z).

Table with columns for station name, frequency, and various signal quality metrics (e.g., S, P, I, M, R, L, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z).

Table with columns for station name, frequency, and various signal quality metrics (e.g., S, P, I, M, R, L, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z).

1635

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like HWUT Hardware Ranch, SATY Saty, Q12A Willow Creek R, etc.

2018 DEC

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like K22A Casper, E28A Huff, CHMS Chumshy, etc.

24d 12h

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like ANGG Ammassalik, Gr, AB31 Akbulak array, etc.

Table with columns for station call signs (e.g., CMAR, MOL, MOS, SAHA, etc.), frequencies, and various signal quality indicators (e.g., S, P, M, LR).

Table with columns for station call signs (e.g., SUE, SCIA, SC2A, DHRM, OSL, etc.), frequencies, and various signal quality indicators (e.g., P, M, LR, S).

Table with columns for station call signs (e.g., VSR, L42A, KAN17, etc.), frequencies, and various signal quality indicators (e.g., P, M, LR, S, I).

1637

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like NLA1 Namlea, AAI Ambon, I49A Point Hope, etc.

2018 DEC

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like KIEV Kiev, AK01 Malin Array Si, BKNR BIKANER, etc.

24d 12h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like SNR=14 KISLOVODSK, KIV KISLOVODSK, etc.

24d 12h

Table of weather data for 24d 12h, starting with station 833A Chaparral WMA. Columns include station ID, name, wind speed, pressure, and temperature.

2018 DEC

Table of weather data for 2018 DEC, starting with station KOLS Kolonice sedl. Columns include station ID, name, wind speed, pressure, and temperature.

1638

Table of weather data for 1638, starting with station PRU Pruhonice. Columns include station ID, name, wind speed, pressure, and temperature.

Table with columns: ICAO, Name, Frequency, Mode, Class, and other details. Includes stations like VAL Valentia, IZVR Izvoarele, VRI Vrincoiaia, etc.

Table with columns: ICAO, Name, Frequency, Mode, Class, and other details. Includes stations like ICOR Ion Corvin, SURR Surduc, FUR Furstenfeldbrunn, etc.

Table with columns: ICAO, Name, Frequency, Mode, Class, and other details. Includes stations like PDSI Padang, JMB Yambol, ROSF Rosstrenen, etc.

1641

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like PLSA00, AULRC, RAO, ERKA, WTKB, etc.

2018 DEC

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MEEK, WHYH, HALLET, BBOO, etc.

24h 12h

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like PTLB, AF01, PB14, GO02, etc.

NEIC 24 12:49:42.6:1.1, 19:205N:0:007:155:494W:0:009, 117km, 2km, Error ellipse: s-maj=1.3km s-min=1.0km b=107.0
HVO 24 12:49:43.0:0.9, 19:193N:0:010:155:509W:0:009, h6km, 4km, M2.5/32, M2.5/44(NEIC), Error ellipse: s-maj=1.7km s-min=0.8km az=143.0, Hawaiian Islands

24d 12h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HPO Honapu, KHU Kahuku, HPC Hot Caves, etc.

IDC 24 12:55:54.4-0.5, 54°58'N; 164°14'E, h0km, mb4.2/25, mbtm4.3/29, ML4.4/3, Error ellipse: s-maj=15.8km, s-min=11.5km, az=156.0
KRSC 24 12:55:54.6-1.4, 54°44'N; 164°27'E, h50km, 31km, M14.6
NEIC 24 12:55:56.1-4.5, 61°01'N; 164°22'E, h10km, 1km, mb4.6/64, Error ellipse: s-maj=20.5km, s-min=10.5km, az=175.0
MOS 24 12:55:58.3-1.0, 54°49'N; 164°15'E, h45km, mb4.8/22, Error ellipse: s-maj=9.3km, s-min=4.9km, az=92.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BKI Bering, KBTR Krutoberegovo, BZGR Bezymyanni-Gr, etc.

2018 DEC

Table with columns: SMAR Somma, SMAR Somma, UGLR Ugluyaya, etc. Includes station names and various data points like 3.49 252 eP, 3.49 252 PN, etc.

1642

Table with columns: EGAK comp=Z,9.2nm,1.1s, L29M comp=Z,8.0nm,0.8s, KSR5 comp=Z,2.2nm,0.8s, etc. Includes station names and various data points like 30.05 50 Iamb, 30.06 251 P, etc.

Table with columns: TX, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like TX31, TXAR, AKASG, etc.

ROM 24 13:02:43.0-0.0,37.72N;15:02E, h4km;1km, ML2.5, Sicily

SJA 24 13:03:01.3-1.0,32.06S;71.66W, h13km;12km, ML3.0, MW3.5

GUC 24 13:03:02.6-0.8,32.05S;71.62W, h31km;2km, ML2.7

ISC 24 13:03:01.3-1.7,32.01S;0.02-71.72W;0.06, h19km;4km, n24, c080/48, 1C-1D, Near coast of central Chile

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like VA06, VA01, ROCH, etc.

Table with columns: RTL, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like LME, AROD, ACCO, etc.

ROM 24 13:03:17.0-0.0,37.72N;15:04E, h3km, ML2.4, Sicily

IDC 24 13:04:35.7-1.3,58.65S;25.12W, h0km, mb4.0/3, mbmp4.0/4, ML4.0/1, Error ellipse: s-maj=84.3km

ISC 24 13:04:40.1-1.2,58.75S;0.2x25.0W;0.4, h28km, n19, c058/11, mb4.0/3,6C-1D, South Sandwich Islands

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like VNA1, VNA3, VNA2, etc.

WEL 24 13:12:07.3-0.6,35.54S;118.0E;1, h186km;12km, ML5.0/29, mB5.3/3, ML5.6/7, MLV5.1/29, Mw(m)B, Error ellipse: s-maj=112.4km

NOU 24 13:12:10.3,34.66S;179.50E, h160km, mb4.9/54, South of Kermadec Islands

BUI 24 13:12:11.8,34.87S;179.24E, h168km, mb4.7/8

NEIC 24 13:12:42.2,34.62S;0.09;179.1E;0.1, h156km;5km, mb5.0/27, Error ellipse: s-maj=18.0km s-min=10.5km

IDC 24 13:12:15.7-1.8,34.26S;179.27E, h200km;15km, mb4.3/11, mbmp4.8/13, Error ellipse: s-maj=16.9km

ISC 24 13:12:10.8-0.4,34.56S;0.05;179.28E;0.06, h150km, n220, c190/223, mb5.0/38, 7D, South of Kermadec Islands

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MXZ, WNGZ, WIZ, etc.

Table with columns: NGZ, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like GLKZ, RAO, WAZ, etc.

24d 13h

Table listing astronomical observations for 24d 13h, including station names (KDU, MTN, etc.), station codes, and observation details like time and resolution.

Table listing astronomical observations for 24d 13h, including station names (KDU, MTN, etc.), station codes, and observation details like time and resolution.

2018 DEC

Main table listing astronomical observations for 2018 DEC, including station names (KPY, KLY, etc.), station codes, and observation details like time and resolution.

1644

Table listing astronomical observations for 1644, including station names (PET, INSR, etc.), station codes, and observation details like time and resolution.

2018 DEC

Table with 3 columns: Station Name (e.g., 1645 M17K, 117K, 118K, etc.), Date/Time (e.g., 21.17 56, 21.17 56, etc.), and Other details (e.g., P Iamb, P Iamb, etc.). Includes sub-sections like '2018 DEC' and '24d 13h'.

24d 13h

Table with columns: Call Sign, Frequency, Mode, Power, SNR, and other technical details for various radio stations.

2018 DEC

Table with columns: Call Sign, Frequency, Mode, Power, SNR, and other technical details for various radio stations.

1646

Table with columns: Call Sign, Frequency, Mode, Power, SNR, and other technical details for various radio stations.

IDC 24 13:24:17.7: 1.8,54:162N;164:30E, h0km, mb3,8/3, mbmp3,8/5, ML3,8/1, Error ellipse: s-maj=54.4km

KRSC 24 13:24:18.6: 1.8,54:160N;164:32E, h57km,29km, ML3,8 NEIC 24 13:24:18.0: 1.8,54:14N;164:4E,0.2, h10km,2km, mb4,2/7, Error ellipse: s-maj=39.0km s-min=20.5km az=173.0

ISC 24 13:24:19.8: 0.8,54:63N;160:07E;164:33E;0.06, h17km, n27, e111/32, mb4,1/8, Komandorski Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and other technical details for various radio stations.

MKAR Makanchi Array 49.72 297 P P 13 33 10.9 +0.2

IDC 24 13:26:58.51, 3.54, 44N; 164.13E, h0km, mb3.5/6

KRSC 24 13:26:58.7, 3.54, 47N; 164.25E, h47km, 29km, M1.8

ISC 24 13:26:58.2, 2.52, 52N; 0.05, 164.25E, 0.09, h3km, 17km, n35, +1948/47, mb3.5/6, Komandorsky Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like Bering, Krutoberegovo, Bezymyanni-Gr, etc.

IDC 24 13:46:32.6, 0.7, 55; 37N; 164.49E, h0km, mb3.6/12

KRSC 24 13:46:34.3, 1.5, 55; 26N; 164.47E, h59km, 27km, M1.4

ISC 24 13:46:36.0, 1.7, 55; 30N; 0.05, 164.54E, 0.06, h25km, 13km, n53, +1570/69, mb3.7/12, Komandorsky Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like Bering, Krutoberegovo, Bezymyanni-Gr, etc.

H1N2 WAKE ISLAND Hy 35.55 176 T 14 31 30.4

H1N3 WAKE ISLAND Hy 35.57 176 T 14 31 35.2

H1N1 WAKE ISLAND Hy 35.57 176 T 14 31 31.8

S0NM Songino Array 35.95 283 P 13 53 30.6

H1S1 WAKE ISLAND Hy 36.76 177 T 14 33 06.1

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like H1S3 WAKE ISLAND Hy, YKA Yellowknife Ar, etc.

IDC 24 13:53:16.6, 2.7, 55; 34N; 163.89E, h0km, mb3.1/3

ISC 24 13:53:17.4, M2.3/1, Error ellipse: s-maj=78.9km

Peninsula

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like PETK Petropavlovsk, ILAR Eielsen Array, etc.

NOU 24 13:53:39.4, 38.58'S; 175.96E, h162km, MLV4.0/23, North Island, New Zealand

WEL 24 13:53:42.5, 0.9, 39.8'S; 177.6E, h145km, 7km, M2.7/27

ISC 24 13:53:37.3, 1.7, 38; 50S; 0.05, 175.94E, 0.05, h185km, 9km, n64, +1357/81, North Island

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like KUTZ Kaahu Road, WPRZ Whakappatarin, etc.

IDC 24 14:06:18.1, 0.6, 14; 54; 84N; 164.44E, h0km, mb4.0/21

KRSC 24 14:06:18.6, 1.4, 54; 69N; 164.59E, h47km, 32km, M1.2

NEIC 24 14:06:19.9, 1.7, 54; 8N; 0.2, 164.5E, 0.2, h10km, 2km, mb4.0/25, Error ellipse: s-maj=29.3km s-min=16.9km az=158.0

ISC 24 14:06:21.8, 0.5, 54; 77N; 0.05, 164.60E, 0.05, h27km, n85, +1522/84, mb4.2/39, Komandorsky Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like BKI Bering, KBTB Krutoberegovo, etc.

G19K Purcell Mounta 21.65 43 P P 14 11 11.4 +1.2

E19K Redstone River 21.93 40 P P 14 11 14.0 +1.2

L19K White Mountain 22.13 40 P P 14 11 16.3 +1.4

T1X1 Tiksi 22.78 331 P P 14 11 21.7 0.0

T1X1 Tiksi 22.78 331 P P 14 11 21.5 -0.1

B20K Meade River 22.81 33 P P 14 11 21.6 -0.4

F21K Alatina River 23.28 41 P P 14 11 28.0 +1.1

E21K Killik River 23.39 38 P P 14 11 28.3 +0.4

B21K Ikpikpuk River 23.50 35 P P 14 11 28.9 -0.1

E22K Anaktuvuk Pass 24.09 39 P P 14 11 35.0 +0.3

G23K Bananza Creek 24.55 43 P P 14 11 40.0 +1.2

E23K Chandalar 24.89 40 P P 14 11 42.3 +0.3

TOLK Toolik Lake Re 25.01 38 P P 14 11 43.0 -0.1

E24K Your Creek 25.31 40 P P 14 11 46.1 +0.3

COLA College 25.32 47 P P 14 11 46.0 +0.3

D24K Happy Valley 25.37 37 P P 14 11 56.3

F24K Squaw Lake 25.47 41 P P 14 11 49.1

ILAR Eielsen Array 25.73 48 P P 14 11 49.2 -0.3

D25K Kavik River 26.26 37 P P 14 11 55.7

J25K Salcha River 26.38 48 P P 14 11 57.1

E25K Arco Village 26.41 40 P P 14 11 57.5

C27K Jago River 27.23 37 P P 14 12 05.5

D27M Hahlovik River 28.17 38 P P 14 12 13.9

KSR5 Korea Array 30.00 250 P P 14 12 32.0 +1.4

H1N2 WAKE ISLAND Hy 35.02 176 T 14 51 41.0

H1N3 WAKE ISLAND Hy 35.03 176 T 14 51 41.0

YKA Yellowknife Ar 40.11 45 P P 14 13 55.0 +0.4

SPITS Spitsbergen Ar 49.91 351 P P 14 14 39.9 -1.4

KURK Kurchatov 49.09 303 P P 14 15 06.0 -0.3

KURB Kurchatov Arra 49.19 303 P P 14 15 06.9 -0.2

MK31 Makanchi Array 49.80 297 P P 14 15 11.4 -0.5

ARCES ARCES Array B 52.49 343 P P 14 15 33.3 +1.6

NVAR Mina Array Bea 52.69 74 P P 14 15 35.5 +1.6

PDAR Pinedale Array 54.39 65 P P 14 15 47.5 +1.2

CMAR Chiang Mai Arr 61.11 261 P P 14 16 33.3 -0.2

TXAR Lagotis Array 67.75 71 P P 14 17 16.8 +1.1

EKA Eskdalemuir Ar 69.81 353 P P 14 17 29.2 +0.1

24d 14h

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like BRTR Keskin Array B, ASAR Alice Springs, ESDC Sonseca Array, STKA Stephens Creek, GQSA South Pole Qui.

IDC 24 14:13:30.9,3.8,53.85N;165.07E,h0km,mb3.5/3, mbmp3.4/4,ML1.9/1, Error ellipse: s-maj=85.1km s-min=31.8km az=162.0

KRSC 24 14:13:35.5,1.8,54.44N;164.41E,h1km,mb42km,M3.6

ISC 24 14:13:38.3,1.4,54.49N;164.48E;0.06;164.48E;0.05, h1km,30km, n25,+159/30,mb3.23,Komandorsky Islands region

Main table for 24d 14h section, listing stations like Bering, Krutoberegovo, Bezmyanniy-Gr, etc.

IDC 24 14:13:43.1,3.4,5.87S;150.08E,h0km,mb3.42, mbmp3.7/3,ML2.5/1, Error ellipse: s-maj=126.7km s-min=40.3km az=117.0, New Britain region

Table for IDC 24 14:13:43.1, listing stations like GRL Gorelyy, TIXI Tikisi, ILAR Eielson Array, MKAR Makanchi Array.

IDC 24 14:21:25.9,1.0,54.81N;164.63E,h0km,mb3.9/10, mbmp3.8/11,ML2.4/1, Error ellipse: s-maj=28.6km s-min=17.9km az=161.0

KRSC 24 14:21:27.9,1.2,54.73N;164.84E,h50km,31km,ML4.1

NEIC 24 14:21:27.9,1.0,54.81N;164.63E;0.2,h10km,2km, mb4.1/16, Error ellipse: s-maj=33.7km s-min=13.7km az=155.0

ISC 24 14:21:29.1,0.7,54.75N;164.80E;0.06,h21km,4km, n62,+150/71,mb4.0/17,Komandorsky Islands region

Main table for IDC 24 14:21:29.1, listing stations like BKI Bering, KBTR Krutoberegovo, BZGR Bezmyanniy-Gr, etc.

2018 DEC

Table for 2018 DEC section, listing stations like D23K Nanushuk River, E23K Chandalar, E24K Your Creek, etc.

IDC 24 14:37:21.3,0.7,55.36N;164.49E,h0km,mb3.7/12, mbmp3.7/14,ML4.6/1, Error ellipse: s-maj=25.0km s-min=15.4km az=160.0

KRSC 24 14:37:22.2,1.3,55.26N;164.56E,h50km,28km,ML4.2

NEIC 24 14:37:22.2,1.0,55.4N;164.4E;0.1,h10km,1km, mb4.1/19, Error ellipse: s-maj=32.1km s-min=7.3km az=346.0

ISC 24 14:37:24.1,0.5,55.33N;164.61E;0.05,h22km,n65,+137/78,mb3.8/16,Komandorsky Islands region

Main table for 2018 DEC section, listing stations like BKI Bering, KBTR Krutoberegovo, BZGR Bezmyanniy-Gr, etc.

IDC 24 14:40:41.8,1.3,55.29N;164.45E,h55km,27km,ML3.8, Komandorsky Islands region

Table for IDC 24 14:40:41.8, listing stations like BKI Bering, KBTR Krutoberegovo, BZGR Bezmyanniy-Gr, etc.

1648

Table for 1648 section, listing stations like KURBB Kurchatov Arra, MKAR Makanchi Array, BPMT Black Pine Ridge, etc.

IDC 24 14:43:57.4,1.8,101.4N;4.123E,h15km,12km,M5.0/30, mb5.3/8,mb4.8/30,MLV5.2/2,Mm(mB)4.7/6

IDC 24 14:43:57.3,5.9,7.8N;123.26E,h29km,24km,mb4.1/20, mbmp4.3/23,ML4.3,MS3.9/11, Error ellipse: s-maj=27.0km s-min=10.7km az=69.0

NEIC 24 14:43:59.1,1.2,9.78N;107.123E;0.08,h35km,2km, mb4.7/39, Error ellipse: s-maj=14.9km s-min=10.8km az=62.0

BUI 24 14:43:59.0,9.57N;123.38E,h67km,mb4.5/49,mb5.3/11, Ms4.6/10,Ms7.4/3/8

ISC 24 14:43:56.5,0.4,9.84N;105.123E;0.08,h17km,n146,+153/136,mb4.6/62,MS3.8/10,2C-2D,Negros

Main table for 1648 section, listing stations like DAV Davao City (W), DAV Davao City (E), DAV Tagaytay City, etc.

24d 14h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BALM Baldy, PTPK Patty Peak, KIAG Kiagna River, etc.

KRSC 24 14:48:39.70.9.54:55N:164:28E, h51km, 24km, M3.8
IDC 24 14:48:40.8.3.0.54:89N:164:21E, h0km, mb3.5/8,
mbtmp3.5/8, Error ellipse: s-maj=8.0km s-min=2.5km
az=3.0

ISC 24 14:48:41.7.0.8.54:62N:108:164:27E:0:05, h17km, n20,
a1919/23, mb3.5/8, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BKI Bering, KBTR Krutoberegovo, TUMR Tumrok, etc.

IDC 24 14:51:13.8.0.6.41:90N:141:38E, h125km, 5km, mb3.8/26,
mbtmp4.2/29, Error ellipse: s-maj=10.5km s-min=7.6km
az=1.0

NIED 24 14:51:14.4.1:82N:141:49E, h127km, MW4.3, Moment
Tensor Solution. s3 Moment tensor: Scale 1015Nm;
M1: -3.04; M2: 2.20; M3: 0.85; M4: 0.47; M5: 1.92; M6: 0.81;
Fault plane solution: M3: 344000x1015 NP1:
o2=227.00000, o3=300000, lambda=100.00000. NP2:
o2=63.00000, o3=838.00000, lambda=77.00000

NEIC 24 14:51:14.3.1.5.41:82N:108:164:43E:0:10,
h128km, 6km, mb4.6/27, Error ellipse: s-maj=11.3km
s-min=6.9km az=117.0

JMA 24 14:51:14.4.0.1.41:8N:0:3:141:5E:0:6, h127km, 1km,
MD4:239, MVA:335 OFF:OHAKOMA1

JMA Falt J11 at S OFF TOMAKOMA1,
SKHL 24 14:51:15.9.0.2.41:90N:141:60E, h135km, 9km, mb5.2/3,
msh5.4/73

ISC 24 14:51:14.2.0.5.41:83N:0:03:141:50E:0:04, h130km, 4km,
m367, a1951/368, mb4.2/43, 5C-27D, Hokkaido region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JKB Kayabe, JOT Ohata, JAHJ Aomori Higashid, etc.

2018 DEC

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JQSM Churui, JCH JCH, JCH Churui, etc.

1650

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like K15K Wolf Creek Mou, G16K Koyuk River, N19K Noril'sk, etc.

Table of seismic events from CAST to D28M, including station names, magnitudes, and times.

Table of seismic events from I28M to NVAR, including station names, magnitudes, and times.

Table of seismic events from ELK to KIRR, including station names, magnitudes, and times.

GRSC 24 15:03:36 ±0.1, 54°53'N; 164°33'E, h49km, M4.3
IDC 24 15:03:36 ±0.1, 54°54'N; 164°20'E, h0km, mb4.0/2.1,
mbtmp4 1/24, ML4 6/2, MS3 1/1, Error ellipse:
s-maj=18.2km s-min=13.4km az=151.0
NEIC 24 15:03:37.9 ±0.8, 54°6'N; 164°2'0"E, h1.0km, 1km,
mb4.4/4.4, Error ellipse: s-maj=21.0km s-min=12.0km
az=167.0
ISC 24 15:03:39.4 ±3.7, 54°6'0"N; 164°31'E; 0.04, h23km, 27km,
n110, ±115/126, mb4.2/4.0, KONDORSKY Islands region

Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, and other parameters. Includes stations like KLY, KPT, KOZ, SPN, ESO, SMAR, UGLR, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, and other parameters. Includes stations like TXAR, AKASG, WVT, BUR08, BURAR, MTN, GERES, BRTR, WBO, WB2, WRA, FITZ, ASAR, MMAIL, ESDC, QSPA, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, and other parameters. Includes stations like VILB, AC05, CO03, VA03, CLDB, MT01, BO02, NPG8, ITTB, PLTB, BB19, IPMB, BDFB, BDFB, TRQA, BOAV, PLCA, SMTB, DIAM, BAUV, TXAR, DBIC, QSPA, ULM, TOR, ESDC, YKA, SONM, etc.

IDC 24 15:25:10.7:0.5,55.27N:164.41E,h0km,mb4.0/27,
mbmp4.1/31,ML4.4/4,MS4.2/40,Error ellipse:
s-maj=15.2km,s-min=11.2km,az=160.0
NEIC 24 15:25:11.9:2.4,55.2N:0.1:164.5E:0.1,1h10km,1km,
mb4.7/54,Error ellipse:s-maj=23.7km,s-min=11.6km
az=174.0
KRSC 24 15:25:11.6:1.4,55.21N:164.41E,h61km,29km,Mc5.2,
M4.9
MOS 24 15:25:13.8:0.9,55.24N:164.39E,h38km,mb4.7/20,Error
ellipse:s-maj=6.3km,s-min=4.8km,az=77.2
GCMT 24 15:25:15.9:0.3,55.30N:0.02:164.51E:0.03,h12km,
MW4.9/91,Moment Tensor Solution. s5;6; s91,c118;
Duration: 0 Moment tensor: Scale 10¹⁰N; Mr=0.25±.12;
Mw=1.26±.12; Mo=1.52±.09; Mo1.36±.32; Mo1.67±.08;
Mo=0.54±.30; Best double couple: Mo2.62400±.016
NP1=248.00000°; 387.00000°; -34.00000°; NP2:
φ=341.00000°; δ=56.00000°; λ=1.76.00000°. Principal axes:
T 2.7140, Plg21.0000°, Azm300.0000°; N -0.1730,
Plg55.0000°, Azm64.0000°; P -2.5340, Plg26.0000°.
Azm199.0000°; nsta1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function

ISC 24 15:25:12.1:2.1,55.26N:0.04:164.36E:0.03,h12km,13km,
n477,σ137/476,mb4.5/74,MS4.2/46,9C-1D,
Komandorsky Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Rows include stations like Bering, Krutoberegovo, Semkarok, etc.

Main table listing seismic events with columns: Station, Azimuth, Magnitude, Time, Residual. Includes stations like Khodutka, Kamenskaya, etc.

Table listing seismic events with columns: Station, Azimuth, Magnitude, Time, Residual. Includes stations like Galena City, Shalercuk, etc.

24d 15h

Table with columns for station name, frequency, power, and other technical details. Includes stations like G23K, D23K, I23K, etc.

2018 DEC

Table with columns for station name, frequency, power, and other technical details. Includes stations like EGAK Eagle, M27K Edge Creek, etc.

1654

Table with columns for station name, frequency, power, and other technical details. Includes stations like LZH Lanzhou, SPITS Spitsbergen Ar, etc.

1655

Table with columns for station name, frequency, mode, and other technical details. Includes stations like Novokhoporsk, Lajitas Array, TXAR, TXAR Lajitas Array, AKASG, etc.

Upp 24 15:32:43.5:0.1, 67:80N:20:19E, h0km, ML2.5, Confirmed
Induced event
HEL 24 15:32:46.0:0.5, 67:72N:20:34E, h0km, ML1.1, Explosion
BER 24 15:32:46.0:2.0, 67:88N:20:36E, h0km, ML1.3, Suspected
explosion

Table with columns for Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Kuraavaara, Laukkuluspa, Dundret, etc.

2018 DEC

Main table for 2018 DEC observations. Columns include Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Bering, Krutoberegovo, Krutoberegovo, etc.

IDC 24 15:40:31.4:0.7, 55:22N:164:26E, h0km, mb3.7/19,
mbmp3.8/21, ML3.8/2, Error ellipse: s-maj=19.2km
s-min=14.2km az=159.0

Table with columns for Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Bering, Krutoberegovo, Krutoberegovo, etc.

24d 15h

Table with columns for Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Koryaksii, Koryaksii, Uglyovaya, etc.

24d 15h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include FINES, CMAR, NOA, HFS, TXAR, WRA, ASAR, ESDC, QSPA.

IDD 24 15:50:07.3±0.8, 54°64'N, 164°16'E, h0km, mb3.8/20, mbmp3.9/22, ML4.9/1, MS4.0/1, Error ellipse: s-maj=20.7km s-min=14.1km az=154.0

KRSC 24 15:50:08.7±1.5, 54°62'N, 164°28'E, h53km, 34km, ML4.2 NEIC 24 15:50:09.6±0.9, 54°7'N, 0.1:164°1E±0.2, h10km, 2km, mb4.4/39, Error ellipse: s-maj=24.1km s-min=10.8km az=152.0

ISC 24 15:54:11.4±0.5, 54°58'N, 0°05.164°22'E, 0±0.4, h25km, n96, b±104/110, mb4.2/42, Komandorskiy Islands region

Main table for 24d 15h with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include BKI, BKTR, KGB, TUMR, BZP, CIRR, BZMR, KMNR, KIRR, KLY, KPT, KOZ, SPN, ESO, SMAR, KRER, UGLR, AVH, KRX, KOK, DALK, PET, KRMR, PEAOB, PETK, MTRV, GRL, OSSR, BILL, JKA, YAK, YAK, M17K, E19K, F20K, B20K, IMAR, E21K, B21K, B21K, STLK, E22K, D23K, D23K, E23K, C23K, C23K, TOLK, MJAR, D24K, F24K, IL31, ILAR, D25K, E25K, D27M, L29M, G31M, H11N2, YKA, YKA.

2018 DEC

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include ZALV, SPITS, KURK, KURB, MK31, MKAR, MAKZ, BVAR, NVAR, PDAR, KKAR, ABKAR, FIAI, FINES, BTK, BTK, CMAR, GAR, CHGR, SIMJ, NC240, NB201, NB2, NOA, HFS, TXAR, AKASG, PAL, GERES, FUORN, BRTR, WRA, ASAR, ESDC, QSPA.

NEIC 24 15:54:16.9±1.2, 5°25'S, 0°10.152°0E±0.1, h46km, 9km, mb4.6/29, Error ellipse: s-maj=24.0km s-min=9.5km az=117.0

IDD 24 15:54:18.1±4.8, 5°50'S, 152°06'E, h78km, 41km, mb3.7/13, mbmp4.0/14, ML2.4/1, MS3.6/3, Error ellipse: s-maj=30.5km s-min=21.4km az=98.0

ISC 24 15:54:16.1±0.6, 5°31'S, 0°09.152°0E±0.1, h45km, n245, ±072/243, mb4.4/27, New Britain region

Main table for 2018 DEC with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include RABL, PMG, PMG, PMG, DZM, DZM, MTN, WBO, WRAB, WB2, WB2, WRA, KNRA, AS31, ASAR, STKA, STKA, MSVF, FITZ, TOO, MORW, CMAR, SONM, GAMB, O14K, M13K, O15K, L14K, N15K, P16K, M15K, L15K, J14K, Q17K, N16K.

1656

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include ACHA, K15K, O17K, M16K, OHAK, Q18K, ANM, L16K, N17K, P18K, F14K, KDAK, M17K, J16K, Q19K, L17K, G15K, N18K, N18K, I17K, F15K, H16K, K17K, J17K, L18K, L18K, N19K, G16K, H17K, L19K, G17K, J18K, SPCR, M20K, F17K, L20K, C16K, J19K, E17K, GCSA, D17K, G18K, K20K, SEW, F18K, O22K, RDOO, SUA, E18K, D17K, J20K, H19K, RC01, G19K, M22K, MK31, MKAR, CAST, F19K, F19K, P23K, CHUM, PWL, H20K, PMR, C18K, B18K, E19K, E19K, SML, TRF, GLI, BPAW, F20K, ZALV, M23K, H21K, C19K, D19K.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like WAT1, SCM, G21K, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like C26K, M30M, N31M, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like KURBB, MKAR, NVAR, etc.

Table for Komandorsky Islands region with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like BKI, KBTR, KBG, etc.

16:31:45.8z-1.7, 54.53N, 164.24E, h0km, mb3.4/4, mbtm3.3/5, ML1.7/1, Error ellipse: s-maj=47.1km s-min=30.5km az=155.0

16:31:46.4z-1.7, 54.45N, 164.20E, h49km, 34km, KRSC 24 16:31:46.8z-0.9, 54.46N, 164.10E, h0.04, h25km, n33, c283/37, mb3.4/4, Komandorsky Islands region

Table for Komandorsky Islands region with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like BKI, KBTR, KBG, etc.

16:37:36.2z-0.7, 55.30N, 164.47E, h0km, mb3.6/13, s-maj=2.4km s-min=1.5, 1km az=161.0

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

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

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

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

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

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

Table of astronomical observations for 1659, including columns for object name, coordinates, magnitude, and other parameters.

Table of astronomical observations for 2018 DEC, including columns for object name, coordinates, magnitude, and other parameters.

Table of astronomical observations for 24d 16h, including columns for object name, coordinates, magnitude, and other parameters.

JMA 24 16:52:28.70 ± 0.22" N 142° 31' 43.3" E, h3377km, MARIANA ISLANDS REGION
IDC 24 16:52:30.4 ± 1.9, 21.64N, 143.06E, h320km, 19km, mb3.4-2.1, mbtmp 4.1/24, Error ellipse: s-maj=16.3km s-min=9.2km az=77.0

24d 17h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HFS Hagfors, NOA NORSTAR Array B, BRTR Keskin Array B, etc.

ADC 24:16:53.03:1.291:0.5:123.7k:104.82E, h0km, Error ellipse: s-maj=161.4km s-min=122.7km az=177.0, Southern Sumatara

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like I06AU Cocos Islands, I04AU SHANNON INFRA93.93, etc.

ROM 24:16:54.40:0.0, 37.71N x 15.02E, h3km, ML2.2, Sicily

ROM 24:16:55.25:0.0, 37.71N x 15.03E, h2km, ML1.9, Sicily

NOU 24:17:04:03.1, 18.84S: 171.51E, h198km, mb4.5/26, Vanuatu Islands Region

NEIC 24:17:04:22.0:1.6, 18.82S:0.08:169.24E:0.09, h213km, 8km, mb4.4/22, Error ellipse: s-maj=13.4km s-min=10.0km az=46.0

ADC 24:17:04:22.5:1.9, 18.80S:169.15E, h219km, 19km, mb3.8/8, mbmp4.3/10, Error ellipse: s-maj=29.3km s-min=15.0km az=54.0

ISC 24:17:04:20.9:0.6, 18.82S:0.06:169.19E:0.08, h200km, n63, s=1923.4, mb4.3/19, Vanuatu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DVP Devils Point, MARNC Mare, Loyalty, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, OUCEN Ouen Lander, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CTAO Charters Tower, MSWZ Moikau Station, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CMSA Cobar Meteorol, INKA Innaminka, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like STKA Stephens Creek, STKA Stephens Creek, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like STKA Stephens Creek, OOD Odnodatta, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASO1 Alice Springs, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MTN Mantion Dam, WRKA Warakura, etc.

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comp=Z:1.8nm,0.8s,baz=343,slow=2.0,SNR=4.3

NEIC 24:17:04:55.1:2.2, 19.9S:0.1:175.1W:0.1, h117km, 46km, mb4.6/28, Error ellipse: s-maj=18.2km s-min=12.0km az=149.0

ADC 24:17:05:03.5:2.7, 20.24S:175.48W, h170km, 23km, mb3.8/13, mbmp4.3/15, MS2:9/4, Error ellipse: s-maj=17.5km s-min=14.7km az=133.0

ISC 24:17:04:56.0:1.5, 19.78S:0.09:174.89W:0.06, h150km, n78, c241/61, mb4.2/26, 2C, Tonga Islands

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, DZM Mont Dzumac, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BKZ Black Stump Fm, BKZ Black Stump Fm, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like QNZ Quartz Range, TKNZ Takaka Hill, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like THZ Tophouse, LTZ Lake Taylor, etc.

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RPZ Rata Peaks, RPZ Rata Peaks, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CAN Canberra, CTA Charters Tower, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CTAO Charters Tower, PMG Port Moresby, etc.

1660

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CONA Conrad Observa, KBA Koelnbreinsper, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WATA Walderalm, WTTA Wattenberg, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SQA Samkt Quirin, SQA Samkt Quirin, etc.

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

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

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

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

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

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

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

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

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

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

Table with columns: TEL, ZSN, MAKZ, MK31, MK31, MK31, MKAR, MKAR, MKAR, OTUK, OTUK, OTUK, MINR, PDGK, MDOK, USP, TKM2, TKM2, CHMS, KBK, AAK, AAK, EKS2, ARTI, ARTI, AB31, AKTO, AKTO, FINES, HFS, NB2, NOA, CMAR, ILAR, YKA, ASAR

AEIC 24 17:20:51.2,3.4,6.1,58N,0.02:150:20W:0.04, h18km,2km, Error ellipse: s-maj=2.8km s-min=2.2km az=51.0 NEIC 24 17:20:51.4,1.2,6.1,54N,0.03:150:08W:0.05, h36km,9km, ML2.6/112,ML2.6(AEIC), Error ellipse: s-maj=4.4km s-min=3.5km az=188.0, Southern Alaska

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC

Table with columns: PPLA, BRLK, BRLK, BRLK, FID, FID, FID, M24K, M24K, RND, KLU, KTH, KTH, HIN, HIN, CAST, CAST, ILSW, ILSW, N19K, N19K, N25K, N25K, N25K, N18K, O18K, O18K, Q19K, L18K, J20K, J20K, CCB, MENT, COLA, M17K, M17K, M17K, J19K, J19K, J19K, IL31, N17K, J18K, J18K, I23K, I23K, SCRR, SCRR, SCRR, J25K, J25K, M27K, K17K, K17K, K17K, BCAR, H21K, H21K, M16K, O16K, O16K, J17K, J17K, IMAR, H18K, H18K, G21K, G21K, G21K, K15K, F21K, F21K, L14K, F20K, F19K, J14K, E19K, F15K

RSNC 24 17:25:11.7,0.5,N,1.7:4W:1, h145km,1km, M2.5, mb4.0, mb5.7,ML2.3, Mw(mb)5.2, Colombia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC

Table with columns: OCAC, DBBC, DBBC, UREC, UREC, MAACC, GARC, GARC, ARGC, ARGC, ARGC, SJCC, SJCC, SJCJ, SJCJ, CRUC, CRUC

IDC 24 17:43:24.9,0.6,55:32N,164:23E, h0km, mb3.9/24, mbmp3.9/28, ML4.1/3, MS3.6/32, Error ellipse: s-maj=16.5km s-min=12.0km az=162.0 KRSC 24 17:43:25.9,1.2,55:19N,164:36E, h49km,26km, ML4.7 MOS 24 17:43:27.6,0.8,55:24N,164:44E, h36km, mb4.6/15, Error ellipse: s-maj=6.4km s-min=5.1km az=75.0 NEIC 24 17:43:34.2,2.5,6N,0.1:162:8E:0.1, h24km,4km, mb4.6/77, Error ellipse: s-maj=20.4km s-min=8.5km az=167.0

ISC 24 17:43:26.7,0.4,55:22N,165:164:28E:0.04, h10km, n458, c322/285, mb4.5/80, MS3.7/36, 3C-1D, Komadorsky Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like O29M Mount Kennedy, J30M Hart River, M30M Minto, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like GOMU GeErMu, BVAR Borovoye, BRVK Borovoye, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like KBA Koelnbreinsper, SOKA Soboth, WATA Walderalm, etc.

24d 18h

Table with columns: SMLA, SMLA, DHRM, DHRM, DHRM, KUDL, BHPAL, BHPAL, NIL, NIL, WUS, Gatai, GTA, TARG, NRN, LZH, LZH, HYB, CHTO, CMAR, DRK, ARSB, AAK, KBL, GAR, BTK, MK31, MK31, MKAR, MAKZ, CHGR, SIMJ, KARB, KARB, KURK, SONM, ZAAO, ZAAO, ZALV, ZALV, BVAR, BVAR, BVAR, BVAR, ABKAR, ARTI, ARTI, ARTI, KRSR, GNI, BRTR, EIL, TIXI, AKASG, ELL, FINES, SEY, ARCES, HFS, NOA, GERES, WB0, WB0, WRA, WB2, ASAR, E19K, F19K, BMAR, ILAR, TORO, YKA, NEW, CPUP

2018 DEC

Table with columns: BKI, Bering, KBTR, Krutoberegovo, KBG, Krutoberegovo, BZGR, Bezmyyanni-Gr, TUMR, Tumorok, CIRR, Tsirk, BZP, Bezmyyanni-Pe, BZM, Bezmyyannaya, KMNR, Kamenistaya, KIRR, Kiritshov, KRKR, Krestovskiy, KRKR, Klyuchi, KLY, Kopyto, KOZ, Kozzyrevsk, SPN, Mys Shipunski, SPN, Nalytchevo, NLC, Nally, ESO, Somma, UGLR, Ugiyovaya, KRKR, Koryakskii, AVH, Avacha, AVH, Arik, KRX, Koryaka, KOK, Dalny, PET, Petropavlovsk, PET, KRMR, Karymshinskiy, KRKR, Russkaya, RUS, PETK, Petropavlovsk-7, MTRV, Mutnovka, GRL, Goretly, GRL, Ossora, OSSR, Apacha, APC, KDRT, Khodutka, Kamc, SHEM, Shemya Is, SHEM, SHEM, MA2, Magadan, YAK, Yakutsk, TIXI, Tiksi, ILAR, Eielson, YKA, Yellowknife Ar, KURBB, Kurchatov Arra, MKAR, Makanchi Array, BVAR, Borovoye Array, NOA, NORSA, TXAR, Lajitas Array, ESDC, Soneka Array, IDC 24 18:50:43.72,8.25,29N;124.27E, h114km,26km, mb3.5/13, mbmtpp3.9/14, Error ellipse: s-maj=23.0km s-min=12.5km az=62.0, JMA 24 18:50:44.3,0.2,25'N;124.2E;0.7, h109km,2km, IDC 24 18:50:43.2,0.8,25'N;124.18E;0.05, h109km,8km, n26,0965/41, mb3.9/13, Northeast of Taiwan

1664

Table with columns: BVAR, ASAR, STKA, FINES, BRTR, HFS, YKA, NEIC 24 18:54:17.4, 1.4, 4.4, 2'N;0.1, 148.3E;0.1, h35km,1km, mb4.9/126, Error ellipse: s-maj=21.5km s-min=10.7km az=151.0, BUJ 24 18:54:17.0, 4.4, 10N;148.51E, h67km, mb4.6/45, mb5.0/15, MS4.23, MS7.3/93, MOS 24 18:54:17.4, 1.0, 4.4, 2'N;148.28E, h57km, mb5.1/56, Error ellipse: s-maj=6.7km s-min=4.5km az=120.1, MOS Felt (III) at Yuzhno-Kuril'sk, Malokuril'skoye, JMA 24 18:54:18.5, 0.3, 4.4, 1'N;148.2E;0.1, h0km, MV5.6/40, SE OFF ETOROFU, JMA Felt I J1 at SE OFF ETOROFU, SKHL 24 18:54:19.4, 0.8, 4.4, 0'N;148.40E, h79km, mb5.8/6, IDC 24 18:54:20.1, 2.1, 4.4, 19N;148.27E, h66km, 17km, mb4.4/22, mbmp4.7/29, MS3.1/12, Error ellipse: s-maj=16.7km s-min=10.7km az=165.0, ISC 24 18:54:16.7, 0.4, 43.9N;0.05, 143.36E;0.04, h43km, 3km, h43km, P-P, n802, i57/838, mb4.9/186, MS3.8/8, 35C-40, East of Kuril Islands

IDC 24 18:48:23.5, 1.5, 54.78N;164.68E, h0km, mb3.6/9, mbmp3.8/12, ML4.1/3, MS2.8/3, Error ellipse: s-maj=40.8km s-min=18.6km az=1.0, KRSC 24 18:48:24.7, 2.2, 54.60N;164.67E, h1km, 24km, ML4.1, ISC 24 18:48:24.1, 1.5, 54.65N;164.58E;0.04, h10km, 10km, n46, i198/72, mb3.6/9, Komandorsky Islands region

Table with columns for station ID, name, coordinates, and signal strength. Includes stations like UGL, TYV, JMM, MAJO, MJAR, etc.

Table with columns for station ID, name, coordinates, and signal strength. Includes stations like NJ2, HHC, H11N2, ULN, etc.

Table with columns for station ID, name, coordinates, and signal strength. Includes stations like F19K, GCSA, G19K, M18K, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like E09A, J05D, J05F, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like N0C02, N0C03, N0C04, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like UPC, DOPR, DOPR, etc.

24h 20h

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KWHZ, TMVZ, OTVZ, etc.

RNSC 24.20:35:22.9,0.0,9N:1:7.7W, h42km, 2km, M2.3, mb3.6, ML2.2, Near north coast of Colombia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LCBC, CAPC, APAC, etc.

NEIC 24.20:45:20.4,0.4,43.59N:0:04:105.34W, h0km, 1km, ML2.3/4, Error ellipse: s-maj=9.1km s-min=4.0km az=317.0

IDC 24.20:45:21.4,2.0,43.72N:105.50W, h0km, mbmp2.8/2, ML2.5/2, Error ellipse: s-maj=47.2km s-min=10.3km az=150.0

ISC 24.20:45:18.4:1.0, 43.64N:0:04:105.53W:0:04, h0km, n23, r154/23, Wyoming

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RSSD, K22A, N23A, etc.

IDC 24.20:46:12.4,2.2,61.48N:150.20W, h55km, 20km, mb3.5/12, mbmp3.7/16, ML3.3/4, MS3.2/5, Error ellipse: s-maj=16.9km s-min=13.6km az=78.0

NEIC 24.20:46:12.2:1.2, 61.50N:0:02:149.91W:0:04, h43km, 4km, Error ellipse: s-maj=3.3km s-min=2.9km az=200.0

AEIC 24.20:46:13.1:1.4, 61.50N:0:02:149.93W:0:04, h35km, 6km, ML3.8, ML4.0/161(NEIC), Error ellipse: s-maj=3.6km s-min=1.0km az=136.0

ISC 24.20:46:11.9,0.7,61.48N:0:03:149.93W:0:03, h45km, 6km, n170, r150/2141, mb3.7/12, MS3.4/3, Southern Alaska

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like M22K, FIS, SUA, etc.

2018 DEC

Main table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GHO, GHO, GHO, etc.

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Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Q23K, SVW2, RAGM, etc.

Table with columns: PDAR, Pinedale Array, 30.37 109 P, comp=N,0.8nm,0.6s,baz=312,slow=8.5,SNR=3.1

PRE 24 20:47:26.3±1.6,26:89S×26:76E,h2km,ML3.9,Fault plane solution: NP1.0,30.00000°,δ64.00000°,λ122.00000°

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

Main table with columns: MREMI, POGA, HOED, ALKP, TEMBE, UPI, MOPA, MOPAN, MUSN, KEIM, GRAF, KGCAG, BROLN, SOE, BRAK, AUGR, CKGRV, ROOI, SOOWA, GRAN, FRAZ, BLWY, PHDH, KOOLE, NMMU, MERW, GRTL, SUR, CVNA, MATJ, KOMG, QNGWA, XAUDM, KRI, TSMU, LSZ, OPO, MBAR, LODK, DBIC, TORD, SNAAL

Table with columns: SNAAL, TAMLA, BELA, MMAIL, GSPA, BRTR, HRA, BDFB, ESCD, SIMJ, GERES, AKASG, KKAR, ABKAR, CMAR, LSA, FORT, SBUM, FINES, MKAR, KURBB, ASAR, YKA, PDAR, ILAR, GLB, SKT, L14K, MKL, MKL7, STLK, SPR3, NVAR

IDD 24 20:52:55.7±0.8,55:17N;164:97E,h0km,mb3.8/14, mbtmp3.9/16,ML4.4/2,MS3.4/2,Error ellipse: s-maj=25.4km s-min=15.4km az=166.0

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

Table with columns for object name, RA, Dec, and magnitude. Includes objects like AVH, KRX, KRY, etc. with associated coordinates and brightness values.

Table with columns for object name, RA, Dec, magnitude, and other parameters. Includes objects like KURK, KURR, KURB, etc. with various data points.

Table with columns for object name, RA, Dec, magnitude, and other parameters. Includes objects like TA01, TA02, TA03, etc. with various data points.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like LCAR, SNA, APMT, HHAR, VHRN, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like BKI, KRKB, KBT, KBG, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like YATNC, ONTNC, DZM, etc.

ADC 24 21:01:22.4.1.5, 64N, 167.17E, h0km, mb3.5/4, mbtmp3.4/5, ML2.1/1, Error ellipse: s-maj=49.4km

ADC 24 21:23:02.3.2.5, 22.59S, 169.83E, h0km, mb3.9/3, mbtmp3.9/4, ML3.4/1, MS3.0/2, Error ellipse: s-maj=70.6km

DJA 24 21:43:38.5.3.7, 5S, 23.15W, 10E, 1.9, h79km, 1.9km, MS.2.1/2, mb3.3/4, mb4.8/12, MLV5.5/1, Mw(mb)4.7/4

24d 21h

Table of satellite data for 24d 21h, listing stations like WRA, WB1, QLP, etc., with columns for station name, frequency, polarization, and coordinates.

2018 DEC

Table of satellite data for 2018 DEC, listing stations like HHC, PEA0B, HEH, etc., with columns for station name, frequency, polarization, and coordinates.

1674

Table of satellite data for 1674, listing stations like TA02, G001, G001, etc., with columns for station name, frequency, polarization, and coordinates.

Table with columns: Call Sign, Frequency, Mode, Power, SNR, and other technical details for stations like CMAR, FORT, PZH, HNR, BBOO, NWAOW, etc.

2018 DEC

Table with columns: Code, Station Name, Frequency, Mode, Power, SNR, and other technical details for stations like Bering, Krutoberegovo, BZGR, etc.

24d 21h

Table with columns: Call Sign, Frequency, Mode, Power, SNR, and other technical details for stations like PVAQ, PBEJ, EVO, etc.

24d 23h

Table with columns: Code, Station Name, Az, Az', Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ELGU, CZD, PSIM, TIO, TIOUINE, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PRYS, WDLM, HRAO, SWZ, SNKL, etc.

2018 DEC

Table with columns: Code, Station Name, Az, Az', Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BOSCA, NWCL, LEPLH, SKOMA, etc.

IDC 24 22:38:18.3:17.0, 29.57N, 140.64E, h0km, mb3.7/5, mbmtpp3.7/5, Error ellipse: s-maj=340.8km s-min=321.6km az=169.0, Southeast of Honshu

NEIC 24 22:45:07.0:0.9, 6.22S:0.07x130.34E:0.09, h134km, g9km, mb4.5/17, Error ellipse: s-maj=13.0km s-min=10.6km az=73.0

DJA 24 22:45:08.0:3.6, 3.3S:13.10E:1.1, h142km, 7M, M4/8/18, mb4.6/13, mB5.2/7, MLV5.0/18, Mw(mB)4.6/7

IDC 24 22:45:10.3:4.7, 6.46S: 130.17E, h170km, 4.9km, mb3.7/7, mbmtpp4.4/10, Error ellipse: s-maj=39.4km s-min=19.3km az=39.0

ISC 24 22:45:08.1:0.5, 6.32S:0.04:130.35E:0.06, h150km, n79, c1963/83, mb4.3/15, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BNDI, SAUI, MASAI, AAI, etc.

1676

Table with columns: Code, Station Name, Az, Az', Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like FITZ, PLAI, WBO, WRAB, WRA, etc.

IDC 24 22:57:34.2:8.1, 22.724Sx176.10W, h0km, mb3.7/4, mbmtpp3.7/4, Error ellipse: s-maj=208.5km s-min=39.7km az=32.0, South of Fiji Islands

STKA Stephens Creek 38.48 247 P P 23 04 57.7 -0.4

ASAR Alice Springs 45.77 259 P P 23 05 57.6 -0.2

WRA Warramunga Arr 46.08 264 P P 23 06 00.5 +0.2

QSPA South Pole Qui 67.34 180 P P 23 08 31.0 0.0

IDC 24 23:08:11.8:0.8, 6.10S:142.76E, h0km, mb4.1/8, mbmtpp4.1/11, ML1.8/1, MS3.2/3, Error ellipse: s-maj=36.1km s-min=16.3km az=71.0

ISC 24 23:08:16.5:0.6, 6.45S:0.06:142.38E:0.08, h35km, n14, c243/18, mb4.0/8, New Guinea

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like SONM Songoing Array, MKAR Makanchi Arr, ZALV Zalesovo Beam, etc.

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

GUC 24 23:14:00.6:0.8, 18:26S:71.36W, h19km, 7km, ML3.7, NEIC 24 23:14:02.2:2.5, 18:29S:071.23W, h10km, 3.5km, mb4.1/4, Error ellipse: s-maj=12.2km s-min=9.7km az=290.0

IDC 24 23:14:09.2:0.18, 25S:70.66W, h132km, 27km, mb3.4/5, mbtmp3.76, MS3.6/2, Error ellipse: s-maj=41.1km s-min=29.8km az=106.0

ISC 24 23:14:00.9:2.0, 18:25S:071.47W, h11.0km, 1.9km, n47, s164/47, mb3.8/6, 2D, Off coast of northern Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like AP01 Chacalluta, PB18 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like LPAZ La Paz, PB09 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like BDFB Brasilia, BOAV Boa Vista, etc.

TEH 24 23:16:43.8, 30:80'N, 57:37'E, h6km, 82km, ML3.9, IDC 24 23:16:46.2:1.2, 30:84'N, 57:36'E, h0km, mb3.7/7, mbtmp3.89, ML3.8/2, MS3.0/1, Error ellipse: s-maj=27.3km s-min=20.4km az=125.0

ISC 24 23:16:46.0:0.6, 30:82'N, 0:03:57.39E, 0:03, h10km, n49, e234/44, mb3.8/12, Northern and central Iran

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like KRM1 Kerman Provinc, ZRDN Zaranad Kerman, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like KBL Kabil, RAYN Ar Rayn, ARSB Arslanbob, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like BRTR Keskin Array B, AKAS Kas, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like BVAR Borovoye Array, MAKZ Makanchi, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like MK31 Makanchi Array, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like ZAAO Zalesovo Array, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like KAAM Kaadhehdho, FIA1 FINESS Array S, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like TORD Torodi Ar. Bea, KSR5 Korea Array, etc.

IDC 24 23:19:58.6:2.6, 19:20'N, 145:51'E, h150km, 25km, mb4.0/20, mbtmp4.5/21, Error ellipse: s-maj=19.9km s-min=12.1km az=83.0

NEIC 24 23:20:01.9:1.4, 19:23'N, 0:04:145:5E, 0:2, h171km, 7km, mb4.4/42, Error ellipse: s-maj=23.4km s-min=4.4km az=98.0

ISC 24 23:19:59.0:0.5, 19:22'N, 0:06:145:5E, 0:1, h150km, n73, e088/63, mb4.3/35, Mariana Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like GUMO Guam, JMM Monobe, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like H1S3 WAKE ISLAND Hy, H1S1 WAKE ISLAND Hy, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like JSAR Wajuy Array Be, JSURK Wonsuryk Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like SEY Seymchan, AS31 Alice Springs, ASAR Alice Springs, etc.

ASAR Alice Springs 44.11 195 P P comp=2.2,0nm,0.7s,ba=14,slow=7.7,SNR=35

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like YAK Yakutsk, BILL Bilibino, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like ILAR Eielson Array, BVAR Borovoye Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like G31M Satah River, INK Inuvik, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like Q32M Nakina River, R33M Jennings River, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like DLBC Dease Lake, ABKAR Akbulak array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like HOLB Holberg, CO3A Cuyillayte Air, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like EUNU Eureka, IO2E Swisshome, OR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like YKA Yellowknife Arr, YKA Yellowknife Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like YKABZ Willamette Mer, KOD2 Dodson Butte, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like L04D Klamath Falls, RES Resolute Bay, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like B08A Colville Reser, J05D Fort Rock, OR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like ARMO Blue Mountains, BRCO ARCES Array B, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like ARCES ARCES Array B, NVAR Nava Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like ELK Elko, FIA1 FINESS Array S, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like ROCAM Rodrigues Is, IDC 24 23:20:00.6:0.5, etc.

IDC 24 23:20:00.6:0.5, 33:96'N, 141:65'E, h0km, mb4.3/35, mbtmp4.3/40, ML3.8/5, MS3.9/8, Error ellipse: s-maj=12.9km s-min=12.2km az=158.0

MOS 24 23:20:00.7:0.8, 33:98'N, 141:65'E, h13km, mb4.7/30, MS4.3/5, Error ellipse: s-maj=10.4km s-min=5.5km az=175.0

BJJ 24 23:20:00.3, 33:96'N, 141:44'E, h6km, mb4.4/44, mb4.9/14, MS4.5/28, MS7.4/2/28

JMA 24 23:20:01.8:0.4, 34:0N:0:8:14:2E, h33km, MV4.4/37, FAR SE OFF BOSO PEN

NEIC 24 23:20:02.8:1.4, 34:07'N, 0:06:141:57E, 0:07, h10km, 1km, mb4.7/90, Error ellipse: s-maj=11.4km s-min=8.2km az=135.0

ISC 24 23:20:05.7:1.1, 34:01'N, 0:04:141:65E, 0:05, h34km, 3km, n272, s154/268, mb4.5/109, MS4.1/20, 9C-2D, Off east coast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like BSO1 Boso 1, BSO3 Boso 3, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like JIM2 Nagara, JIM3 Oshima 3, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC h m s ISC. Includes stations like JAG Ashigaki, JRY Ryogaki san, etc.

24d 23h

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like MAJO Matushiro, ASAJ Asahikawa, JKA Korea Array, etc.

2018 DEC

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like SEY Seymchan, LZH Lanzhou, GOMU GeErMu, etc.

1678

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like F24K Squaw Lake, IL31 IL31, ILAR Eielson Array, etc.

Table of station data for 1679, including columns for call sign, name, frequency, power, and coordinates. Includes stations like Detroit Lake, Akty, and various array stations.

RNSC 24 23:23:29.50, 0.7'N; 1.7'W; h146km1km, M2.1, mb3.7, ML1.9, Northern Colombia

Table of station data for RNSC 24 23:23:29.50, 0.7'N; 1.7'W; h146km1km, M2.1, mb3.7, ML1.9, Northern Colombia.

Table of station data for 2018 DEC, including columns for call sign, name, frequency, power, and coordinates. Includes stations like PUERTO BERRIO, Tame, Arauca, and various array stations.

IDC 24 23:26:59.2, 1.1, 55:16N; 164:73E, h0km, mb3.5/6, mbmp3.6/7, ML3.2/1, Error ellipse: s-maj=41.3km

Table of station data for IDC 24 23:26:59.2, 1.1, 55:16N; 164:73E, h0km, mb3.5/6, mbmp3.6/7, ML3.2/1, Error ellipse: s-maj=41.3km.

RUS 24 23:27:02.2, 0.5, 55:30N; 0:05, 164:56E, 0:04, h22km, n30, -1:173/45, mb3.5/6, Komandorski Islands region

Table of station data for RUS 24 23:27:02.2, 0.5, 55:30N; 0:05, 164:56E, 0:04, h22km, n30, -1:173/45, mb3.5/6, Komandorski Islands region.

IDC 24 23:34:37.2, 0.9, 12:97S; 45:40E, h0km, mb3.6/7, mbmp3.7/8, ML4.4/2, MS3.1/1, Error ellipse: s-maj=25.5km

Table of station data for IDC 24 23:34:37.2, 0.9, 12:97S; 45:40E, h0km, mb3.6/7, mbmp3.7/8, ML4.4/2, MS3.1/1, Error ellipse: s-maj=25.5km.

JMA 24 23:42:28.6, 0.2, 24:1'N; 0:6'W; 122:6E; 0.9, h28km, MV2.4/8, NW OF ISHIGAKI/JAMA IS

Table of station data for JMA 24 23:42:28.6, 0.2, 24:1'N; 0:6'W; 122:6E; 0.9, h28km, MV2.4/8, NW OF ISHIGAKI/JAMA IS.

Table of station data for 25d 0h, including columns for call sign, name, frequency, power, and coordinates. Includes stations like Yonaguni jima, Eos2, and various array stations.

IDC 25 00:00:36.9, 9.1, 3:00S; 140:77E, h0km, mb3.3/2, mbmp3.4/3, ML3.5/1, Error ellipse: s-maj=354.2km

Table of station data for IDC 25 00:00:36.9, 9.1, 3:00S; 140:77E, h0km, mb3.3/2, mbmp3.4/3, ML3.5/1, Error ellipse: s-maj=354.2km.

ATH 25 00:06:22.7, 38:06'N; 21:53'E, h25km; 1km, ML2.3/10, Error ellipse: s-maj=1.8km s-min=0.9km az=202.0, Greece

Table of station data for ATH 25 00:06:22.7, 38:06'N; 21:53'E, h25km; 1km, ML2.3/10, Error ellipse: s-maj=1.8km s-min=0.9km az=202.0, Greece.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like TONANKAI O.B.S., Shinshirobabe, Kuni, etc.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like KRSR, KS19, MSHR, VLA, etc.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like HEH, HeiHe, SSSLB, BJI, etc.

25d 0h

Table with columns for station codes (HHC, CSH, BTO, MA2, H11N2, etc.), frequencies, and signal strength metrics (PP, S, P, etc.).

2018 DEC

Table with columns for station codes (DAV, LZH, LZ, etc.), frequencies, and signal strength metrics (LR, P, S, etc.).

1682

Table with columns for station codes (AAI, NIKH, PHRA, etc.), frequencies, and signal strength metrics (P, Pmax, etc.).

1683

Table with columns: Station ID, Name, Frequency, Power, Modulation, Status, and other parameters. Includes stations like MKAR Makanchi Array, I17K Unalakleet, D17K Noatak River, etc.

2018 DEC

Table with columns: Station ID, Name, Frequency, Power, Modulation, Status, and other parameters. Includes stations like KURK Kurchatov, O18K Koktuh Hills, O18K Kuna River, etc.

25d 0h

Table with columns: Station ID, Name, Frequency, Power, Modulation, Status, and other parameters. Includes stations like F21K Alatna River, E21K Killik River, E21K Killik River, etc.

25d Oh

Table with columns for station ID, name, elevation, distance, azimuth, elevation angle, and other parameters. Includes stations like WATI Susitna Watana, NNRN Naryn, KNK Knik Glacier, etc.

2018 DEC

Table with columns for station ID, name, elevation, distance, azimuth, elevation angle, and other parameters. Includes stations like E25K Arctic Village, E25K Arctic Village, J25K Salcha River, etc.

1684

Table with columns for station ID, name, elevation, distance, azimuth, elevation angle, and other parameters. Includes stations like KKAR Karatay Array, BVCV Beaver Creek, I28M Miner Creek, etc.

Table containing station information for the 1685 range, including call letters, names, frequencies, and various technical parameters.

Table containing station information for the 2018 DEC range, including call letters, names, frequencies, and various technical parameters.

Table containing station information for the 25d 0h range, including call letters, names, frequencies, and various technical parameters.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SNAEA, SNAE, CZSB, ETMB, etc.

IDC 25 00:24:03.7-1.0, 69.72N:144.43W, h0km, mb3.6/6, mbmp3.5/11, ML3.4/5, MS2.6/1, Error ellipse: s-maj=21.3km s-min=14.3km az=78.0

AEIC 25 00:24:04.0-1.8, 69.54N:0.04:144.38W:0.08, h7km, 6km, ML3.2, ML3.4/74(NEIC), Error ellipse: s-maj=6.3km s-min=4.3km az=186.0

NEIC 25 00:24:05.4-1.5, 69.57N:0.04:144.42W:0.05, h10km, 2km, Error ellipse: s-maj=7.0km s-min=3.0km az=3.0

ISC 25 00:24:04.2-0.9, 69.62N:0.03:144.36W:0.02, h11km, 6km, n92, s155/110, mb3.8/6, Northern Alaska

Main table for the 25d Oh section, listing various stations and their parameters. Includes stations like C27K, C27K, C27K, C26K, etc.

Main table for the 2018 DEC section, listing various stations and their parameters. Includes stations like E21K, F30M, F30M, F30M, etc.

Main table for the 1688 section, listing various stations and their parameters. Includes stations like KMNF, RAJF, KEV, UMAU, etc.

TRN 25:01:59.55.4, 18°43N-64°10W, h93km, MD3.8, Far North-west of Barbuda. NEIC 25:01:59.55.2, 1.18, 16°55N-02°08.64E, h11W, 0.02, h35km, 2km, ML2.8/26, Md3.3/(RSP/PR). Error ellipse: s-maj=14.0km s-min=3.1km az=349.0

ISC 25:01:59.55.2, 18.7N, 02.64, 0.06W, 0.05, h29km, 16km, n26, c0578/32, Virgin Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include SMRT St. Maarten, SABA Saba, HUMP Col San Antoni, UPRR Utuado, UPRR, AOPR, ANBD, AGPR, LSP, MLPR, CRPR, etc.

IDC 25:01:01:56.8-1.1, 12°61N-145°02E, h0km, mb3.5/9, mbmp3.5/9, MS3.6/3. Error ellipse: s-maj=40.7km s-min=17.1km az=90.0

ISC 25:01:02:02.5-1.1, 12°53N-01°10'145°0E, 0.3, h38km, n19, c0589/11, mb3.5/9, MS3.5/3, South of Mariana Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include GUMO Guam, H11S3 WAKE ISLAND Hy 21.69, H11S1 WAKE ISLAND Hy 21.71, H11S2 WAKE ISLAND Hy 21.71, H11N1 WAKE ISLAND Hy 22.17, H11N2 WAKE ISLAND Hy 22.18, H11N3 WAKE ISLAND Hy 22.19, MJAR Matsushiro Arr, WRA Warramunga Arr, ASAR Alice Springs, MSVF Nonsavu, CMAR Chiang Mai Arr, SONM Songo Array, MKAR Makanchi Arr, ZALV Zalesovo Beam, KURBB Kurchatov Arr, ILAR Eielson Array, BVAR Borovoye Array, YKA Yellowknife Arr, etc.

JMA 25:01:06:48.8-0.6, 34°N-1°14'E, h35km, MV3.1/24, FAR SE OFF BOSO PEN IDC 25:01:06:53.5-2.0, 33°31'N-136°75'E, h0km, mb3.3/2, mbmp3.2/3, ML2.7/1, Error ellipse: s-maj=108.1km s-min=24.9km az=105.0

ISC 25:01:06:50.1-1.8, 33°38N-0°08'141°18E, 0.1, h35km, n11, c065/14, Off east coast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include BSO1 Boso 1, BSO3 Boso 3, BSO4 Boso 4, JKUC kagogawauchiur, JMKN Mikurajimian, JHJ2 Mitsune, JIM2 Oshima 3, JKO Kozu shima, MJAR Matsushiro Arr, WRA Warramunga Arr, ASAR Alice Springs, etc.

NEIC 25:01:11:49.6-1.9, 24°55S-0°1'176°2W, 0.2, h35km, 2km, mb4.9/31, Error ellipse: s-maj=27.1km s-min=16.0km az=130.0 IDC 25:01:11:59.0-3.8, 24°75'S-176°52'W, h12km, 30km, mb3.9/10, mbmp4.3/12, MS3.5/5, Error ellipse: s-maj=25.5km s-min=17.9km az=97.0

ISC 25:01:11:48.7-0.4, 24.73S-0°07'176°10W, 0.09, h30km, n75, c136/68, mb4.8/27, 4d, South of Fiji Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include NIUE Niue, MSVF Nonsavu, AFU Afiamaul, URZ Urewera, URZ, RZR Rarotonga, BKZ Black Stump Fm, MSWZ Moikau Station, SNZO South Korori, PLWZ Palliser, WKZ Wanaka, HNR Honiara, ARMA Armidale, EIDS Eidsvold, CTAO Charter Tower, TOO Toolangi, STKA Stephens Creek, PMG Port Moresby, COEN Coen, BBOO Buckleboe, AS31 Alice Springs, ASAR Alice Springs, ASAR, WB2 Warramunga Arr, WB0 Warramunga Arr, WRA Warramunga Arr, WRA, WAKE Wake Island, FORST Forrest, DRV Dumont d'Urville, CCD Concordia, Ant, CASH Casey, GSPA South Pole Guise, QSPA South Pole Guise, PETK Petropavlovsk, KRSR Korea Array, H03S2 Juan Fernandez, H03S1 Juan Fernandez, H03S3 Juan Fernandez, H03N2 Juan Fernandez, H03N3 Juan Fernandez, H03N1 Juan Fernandez, USRK Ussuriysk, TROLL Troll, Antarti, SNA4 Sanae, VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, TXAR Lajitas Array, V35K Ketchikan, J16K Atkin River, SKT Skwentna, J17K VABM Dome, J17K, GHO Glory Hole Cre, J18K Innok River, SCM Sheep Creek Mt, N25K Chitina, Valde, F15K North Star Dit, ILAR Eielson Array, J25K Salcha River, J25K, J26L Joseph Creek, E19K Redstone River, CMAR Chiang Mai Arr, CHTO Chiang Mai, PB04 IPOC Station P, ISOM Mount Dempster, ISOM, PB09 IPOC Station P, MKAR Makanchi Arr, KURBB Kurchatov Arr, BVAR Borovoye Array, ARCES ARCES Array B, FINES FINES Array B, FINES

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include HFS Hagfors, AKASO Malin Arr Br, EKA Eskdalemuir Ar, BRTR Keskin Arr, MMAI Mount Meron Arr, TORD Torodi Ar.

CATAC 25:01:12:05.7-0.9, 14°15'N-92°15'W, h17km, 4km, ML3.6 GCG 25:01:12:10.6-1.7, 14°37'N-92°00'W, h40km, 21km, MD3.4 ISC 25:01:12:06.2-2.3, 14°20'N-01°09'22'W, 0.1, h20km, 8km, n12, c150/22, Near coast of Chiapas

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include RTAL Retalhuleu, RTAL Suchitepequez, SULLM Catarina, SMCA, SMCA, STG3 Santiagou 3, STG3 Fuego 3, FUG Fuego 3, QUIS Sacapulas, QUIS, PCG Pacaya, NBG Las Nubes, CCIG Comitán, CCIG, NUBE Las Nubes, NUBE, JAYA Jayaque - finc, JAYA, JAYA, PMON Piamonte, PMON, PMON, IDC 25:01:19:28.7-1.5, 18°12'S-176°60'E, h424km, 25km, mb3.3/3, mbmp4.1/3, Error ellipse: s-maj=89.2km s-min=32.4km az=143.0, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include MSVF Nonsavu, STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, GERES GERES Array B, SJA 25:01:20:45.7-1.7, 30°83'S-71°70'W, h4km, 35km, ML3.5, MW3.6 GUC 25:01:20:46.6-0.8, 30°88'S-71°70'W, h37km, 2km, ML3.7 ISC 25:01:20:39.8-1.5, 30°88'S-0°03'71°97'W, h0km, 1km, n12km, n34, c139/51, Near coast of central Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include CO06 Fray Jorge, CO06 La Serena, CO05 El Pedregal, GO04 Tololo Observa, GO04 Juntas del Tor, VO06 Catapilco, LCO Las Campanas, VA03 San Esteban, VA03 San Esteban, ROCH El Roble, ROCH, ACCO Cerro Coronel, ACCO Llanos de Chal, MT02 Curacav, PEL Peldehue, PEL, PEL, AUSP Uspallata, AUSP Hacienda Santa, MT10 Zonda, MT13 Cerro Calín, MT03 Universidad Ad, RTLL Cerro Villucun, RTLL, RTLL Ro Olivares, RTLL Cerro Valdivia, MT09 Talagante, AGUA GUANDACOL, AGUA, AGUA, ASAL Salagasta, ASAL, ARCO CERRO ARCO, ARCO, GO03 Copiapo, GO03

Main table containing astronomical data for December 2018, listing objects like Cesi, BZS, LOTR, etc., with their coordinates, magnitudes, and other parameters.

25d 1h

Table with columns for station name, frequency, power, and status. Includes stations like GURO, MEM, RCHB, MLAZ, SIRT, BERT, etc.

2018 DEC

Table with columns for station name, frequency, power, and status. Includes stations like MAK, AKT, MDT, MTSE, etc.

1692

Table with columns for station name, frequency, power, and status. Includes stations like NAO01, NC405, NB201, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase, ID, Time, Res, h m s, ISC. Includes stations like MK31 Makanchi Array, MKAR Makanchi Array, MKAR Peel River, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase, ID, Time, Res, h m s, ISC. Includes stations like D22K Aiyikag River, BNK BinXian, YKA Yellowknife Ar, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase, ID, Time, Res, h m s, ISC. Includes stations like M27K, L27K Beaver Creek, H31M Peel River, etc.

NEIC 25 01:45:02.21, 0.5178N, 0.1731E, h10km, 1km, mb4.2/19, Error ellipse: s-maj=28.3km s-min=15.1km az=131.0
IDC 25 01:45:10.6, 1.2, 52.63N, 173.34E, h51km, 9km, mb3.5/11, mbtm3.8/13, Error ellipse: s-maj=31.6km s-min=16.4km az=178.0
ISC 25 01:45:08.0, 0.9, 52.33N, 173.30E, h33km, n42, c1948/36, mb4.0/21, Near Islands

MDD 25 01:54:37.8, 1.4, 36.53N, 9.774W, h28km, 34km, mb_Lg2.2/5, Error ellipse: s-maj=29.9km s-min=9.0km az=43.0
IGIL 25 01:54:38.3, 36.54N, 9.72W, h16km, ML1.0
SFS 25 01:54:38.1, 36.52N, 9.71W, h23km, ML2.0/11, ML2.6/8, ML1.7/11
INMG 25 01:54:38.3, 1.0, 36.55N, 9.773W, h16km, 4km, ML1.4, Error ellipse: s-maj=4.5km s-min=4.3km az=113.0
CNRM 25 01:54:39.3, 36.31N, 9.04W, h1km, ML2.0
ISC 25 01:54:37.3, 1.5, 36.49N, 0.04, 9.70W, h35km, n42, c1924/70, 2C-10, West of Gibraltar

25d 2h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like EBAD Badajoz, ESPR Espera, PMRV Marv'zo, etc.

IDC 25 02:04:09.5,0.8,2.40S;140.17E, h0km, mb3.77, mbmp3.8/8, ML4.0/1, Error ellipse: s-maj=20.9km s-min=3.3km az=13.0

DJA 25 02:04:12.7,0.5,2.54S;14.140E, h10km, M3.9/5, MLV3.9/5 IDC 25 02:04:12.4,0.8,2.60S;0.09;140.43E;0.05, h24km, n20, r128/116, mb3.77, Near north coast of Irian Jaya

Main table for 25d 2h section, listing various stations like GENI Genyem, JAY Jayapura, WRA Warramunga Arr, etc.

NOU 25 02:07:44.9, 15.94S; 168.17E, h0km, MLV4.8/11, Vanuatu Islands

IDC 25 02:07:49.4, 0.9, 16.18S; 167.99E, h0km, mb4.1/9, mbmp4.1/11, ML4.0/1, MS3.5/6, Error ellipse: s-maj=30.4km s-min=19.8km az=147.0

IDC 25 02:07:55.8, 1.6, 16.55S; 0.1; 168.2E; 0.1, h35km, n21, r137/13, mb4.0/6, MS3.5/4, Vanuatu Islands

Main table for 25d 2h section, listing various stations like DVP Devils Point, ZALV Zalesovo Beam, etc.

IDC 25 02:11:08.6, 4.2, 35.41S; 178.41E, h170km, 32km, mb3.7/6, mbmp4.2/7, Error ellipse: s-maj=50.2km s-min=17.9km az=35.0

NEIC 25 02:11:11.8, 1.7, 35.75S; 0.1; 178.4E; 0.1, h186km, 9km, mb4.2/12, Error ellipse: s-maj=19.3km s-min=13.2km az=185.0

NOU 25 02:11:13.9, 36.26S; 178.10E, h229km, mb3.9/17, Off E. Coast of N. Island, N.Z.

WEL 25 02:11:15.8, 1.1, 36.56S; 17.8E, h195km, 12km, M3.8/20, ML4.0/20, MLV3.8/20, Error ellipse: s-maj=10.2km

2018 DEC

s-min=7.6km az=77.9, confirmed ISC 25 02:11:16.4, 0.8, 36.20S; 0.06; 178.00E; 0.06, h218km, 6km, n130, r176/143, mb4.0/11, Off east coast of North Island

Main table for 2018 DEC section, listing various stations like MXZ Matakaoa Point, URZ Urewera, etc.

1694

Table for 1694 section, listing stations like QSPA South Pole Qui, BELA Belgrano 2, etc.

IDC 25 02:28:56.9, 1.6, 55.04N; 164.52E, h0km, mb3.5/8, mbmp3.5/9, ML2.6/11, Error ellipse: s-maj=53.3km s-min=16.8km az=170.0

KRCS 25 02:28:58.7, 1.5, 54.92N; 164.42E, h51km, 30km, M3.9 IDC 25 02:29:00.3, 1.6, 54.95N; 0.05; 164.56E; 0.06, h28km, 14km, n46, r153/65, mb3.6/8, Komandorsky Islands region

Main table for 1694 section, listing various stations like BKI Bering, KBTR Krutoberegovo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Rows include KDU Kakadu, GUMO Guam, WBO Warramunga Arr, WRAB Tennant Creek, WB2 Warramunga Arr, WRA Warramunga Arr, FAKI Fak Fak, MTN Mantong Dam, MTN Alice Springs, STKA Stephens Creek, KNRA Kunurra, FITZ Fitzroy Crossi, BATI Baumata, DAV Davao City (W), MBWA Marble Bar, MWBA Nwao, JMN Monobe, MJAR Matsushiro Arr, JNU Nakatsue, KSRs Korea Array, KIP Kipapa, PETK Petropavlovsk, CMAR Chiang Mai Arr, ULN Ulanbaatar, SONM Songino Array, M14K Bethel, ACHA Angle Creek He, M16K Timber Creek, J16K Anvik River, GSPA South Pole Qui, ILAR Eielson Array, MAW Mawson, MK31 Makanchi Arr, MKAR Makanchi Arr, MAKZ Makanchi, ZAAO Zalesovo Beam, ZALV Zalesovo Beam, E27K Coleen River, D27M Malcolm River, E28M Babbage River, KURBB Kurchatov Arra, BVAR Borovoye Array.

KRSC 25 02:43:12.9u 1.5, 54.74N:164.46E, h48km,33km, Ml3.9
IDC 25 02:43:12.5u 0.9, 54.89N:164.47E, h0km, mb3.7/13,
mbtmp3.7/14, ML2.4/1, Error ellipse: s-maj=28.4km
s-min=15.2km az=165.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Rows include BKI Bering, BKTR Krutoberegovo, BZGR Bezymyanni-Gr, BZGR Bezymyanni-Gr, CIRR Tsirik, BZP Bezymyanni-Pe, TUMR Tumrok, BZMR Bezymyannaya, BZWR Bezymyanni-We, KMNR Kamenistaya, KIRR Kirishev, KRSR Krestovskiy, KRSL Klyuchi, SPN Mys Shipunskiy, NLC Nalytchevo, ESO Esso, SMAR Somma.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Rows include KRER Koryakskii, UGLR Ugllovaya, AVH Avacha, AVH Arik, KOK Koryaka, DALK Dalny, PETK Petropavlovsk, KRMR Karymshinskiy, RUS Russkaya, PETK Petropavlovsk, MTRV Mutnovka, GRL Gorelyy, GRL Ossora, ILAR Eielson Array, KSRs Korea Array, H1N2 WAKE ISLAND Hy, H1N3 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, H1S1 WAKE ISLAND Hy, H1S3 WAKE ISLAND Hy, H1S2 WAKE ISLAND Hy, YKA Yellowknife Ar, KURBB Kurchatov Arra, MKAR Makanchi Array, BVAR Borovoye Array, NVAR Nina Array, PDAR Pinedale Array, FINES FINES Array B, NOA NORARS Array B, TXAR Litaiz Array, ASAR Alice Springs, ESCD Sonsec Array, QSPA South Pole Qui.

IDC 25 02:46:55.0u 0.9, 33.94N:141.60E, h0km, mb3.5/10,
mbtmp3.5/12, ML2.2/2, Error ellipse: s-maj=28.9km s-min=18.8km az=61.0

JMA 25 02:46:59.6u 0.7, 34.1N:121.42E, h34km,4km, MV3.5/28,
FAIR OFF B/P S/P
NIED 25 02:46:59.6u 3.3, 99.9N:141.57E, h34km, MW3.8, Moment
Tensor Solution, s3 Moment tensor. Scale 10^14Nm;
Mn:3.73; Mm:2.93; Ml:6.66; Me:0.90; Mf:1.18;
Fault plane solution: Ms:6.000000*10^14 NP1:29.000000*,
358.000000*, 1.126.000000*. NP2:155.000000*, 346.000000*,
7.46.000000*.

IDC 25 02:46:59.3u 0.9, 33.98N:108.141.63E, h0km, n27,
n058/26, mb3.6/10, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Rows include BSO1 Boso, BSO3 Boso, JKUC kamogawauchiur, JMKM Mikurajimanih, JMKY Miyake Tsubota, JMYJ JMYK, JHJ2 Mitsune, JIM2 Oshima, JTHY Toshihigashi, JKO Koshima, JIZS Izuoshima, JOD2 Odawara 2, MJAR Matsushiro Arr, MJAR Matsushiro Arr, KSRs Korea Array, KSRs Korea Array, USRK Ussuriysk Arr, H1S3 WAKE ISLAND Hy, H1S1 WAKE ISLAND Hy, H1S2 WAKE ISLAND Hy, SONM Songino Array, ZALV Zalesovo Beam, MKAR Makanchi Array, KURBB Kurchatov Arra, ILAR Eielson Array, BVAR Borovoye Array, WRA Warramunga Arr, ASAR Alice Springs, AKASG Malin Arra, PDAR Pinedale Array.

IDC 25 02:49:23.5u 1.5, 2.91N:127.26E, h0km, mb3.5/6,
mbtmp3.5/6, Error ellipse: s-maj=98.3km s-min=19.9km
IDC 25 02:49:30.0u 1.6, 2.9N:0.3u:127.4E, h49km, n6, n085/6,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Rows include mb3.5/5, Northern Molucca Sea, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, MKAR Makanchi Array, KURBB Kurchatov Arra.

IDC 25 03:00:24.1u 3.6, 54.34N:86.73E, h0km, mbtmp2.4/2,
ML2.2/2, Error ellipse: s-maj=30.0km s-min=17.1km
az=55.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Rows include I46RU ZALESOV INFRA, ZALV Zalesovo Beam, KURBB Kurchatov Arra, MKAR Makanchi Array.

IDC 25 03:03:12.3u 1.5, 2.75N:127.04E, h0km, mb3.7/5,
mbtmp3.7/5, Error ellipse: s-maj=135.4km
s-min=19.9km az=66.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Rows include WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, MKAR Makanchi Array, KURBB Kurchatov Arra.

IDC 25 03:08:16.4u 4.3, 5.49S:129.22E, h250km, 43km, mb2.8/1,
mbtmp3.6/4, Banda Sea, Error ellipse: s-maj=67.4km s-min=17.2km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Rows include FITZ Fitzroy Crossi, FITZ Zalesovo Beam, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, MKAR Makanchi Array.

IDC 25 03:11:03.4u 0.6, 54.61N:164.116E, h0km, mb4.1/30,
mbtmp4.1/31, ML3.0/1, MS3.4/18, Error ellipse:
s-maj=18.0km s-min=11.0km az=156.0
KRSC 25 03:11:04.1u 1.4, 54.50N:164.23E, h47km,24km, Ml4.3
NEIC 25 03:11:04.8u 1.0, 54.6N:0.1u:164.2E:0.1, h10km,1km,
mb4.5/67, Error ellipse: s-maj=2.7km s-min=7.5km
az=153.0

MOS 25 03:11:07.1u 1.1, 54.52N:164.09E, h48km, mb4.8/13, Error
ellipse: s-maj=6.5km s-min=5.8km az=95.8
ANF 25 03:11:17.3u 2.0, 55.25N:164.52E, h59km, 11km, Error
ellipse: s-maj=17.0km s-min=7.1km az=49.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Rows include BKI Bering, BKTR Krutoberegovo, BZGR Bezymyanni-Gr, BZGR Bezymyanni-Gr, CIRR Tsirik, BZMR Bezymyannaya, BZWR Bezymyanni-We, KMNR Kamenistaya, KIRR Kirishev, KRSR Krestovskiy, KRSL Klyuchi, KLY Klyuchi, KLY Klyuchi, KPT Kopyto, KPT Kopyto, KII Karymskiy, SPN Mys Shipunskiy, SPN Mys Shipunskiy, SPN Mys Shipunskiy, KOZ Kozyrevsk, KIRR Kirishev, NLC Nalytchevo, NLC Nalytchevo, NLC Nalytchevo, NLC Nalytchevo, ESO Esso, ESO Esso, SMAR Somma, UGLR Ugllovaya, UGLR Ugllovaya, KRER Koryakskii, KRER Koryakskii, KRER Koryakskii, KRER Koryakskii, AVH Avacha.

25d 3h

2018 DEC

1696

Table with 23 columns: Station Name, Elevation, Coordinates, Azimuth, Distance, Frequency, Mode, Signal, and other parameters. It lists numerous weather stations and their data points across the entire page.

Table with columns: Station, Frequency, Power, and other details. Includes stations like MASC, GDHS, CBE, TBG, etc.

Table with columns: Station, Frequency, Power, and other details. Includes stations like OLIL, SUIC, CGMC, etc.

Table with columns: Station, Frequency, Power, and other details. Includes stations like PFO, ELK, HLID, etc.

25d 3h

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes rows like G29M Pine Creek, H29M Whitestone, PINM Pinnacle, etc.

2018 DEC

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes rows like I23K Minto, Yukon-K, TOLK Toolik Lake Re, E23K Chadalar, etc.

1700

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes rows like K17K Iditarod, L17K Donlin, C18K Utukok River, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes rows like MARI3 Mariato, CACAO El Cacao, etc.

UPA 25 03:51:47.0-0.7, 7.57N-80.79W, h9km, 5km, MW3.5, Panama
IDC 25 03:56:43.8-0.7, 22:34N-121:03E, h0km, mb4.1/16, mbtmp4.1/17, ML3.4/1, MS3.4/19, Error ellipse: s-maj=22.5km s-min=15.9km az=69.0
ASIES 25 03:56:44.4, 22:59N-120:80E, h6km, ML4.6, Mw4.2, Moment Tensor Solution. Moment tensor: Scale 10^22Nm; M1:0.28; M2:0.02; M3:0.70; M4:0.02; M5:0.13; M6:1.52; Fault plane solution: Ms2.0764x10^22 NP1: phi=85.9000; delta=82.0000; lambda=148.33000; NP2: phi=276.17000; delta=1.67000; lambda=179.72000. Principal axes: T P1g31.7290; Azm242.4070; N P1g41.6690; Azm5.7950; P P1g32.0390; Azm129.6430; NIED 25 03:56:44.0, 22:68N-120:62E, h20km, MW4.5, Moment Tensor Solution. s3 Moment tensor: Scale 10^19Nm; M1:1.85; M2:0.68; M3:1.17; M4:0.82; M5:0.83; M6:2.96; Fault plane solution: Ms5.74000x10^15 NP1: phi=240.00000; delta=5.00000; lambda=-92.00000; NP2: phi=82.00000; delta=5.00000; lambda=-68.00000; TAP 25 03:56:44.4, 22:59N-120:80E, h6km, ML4.6, C NEIC 25 03:56:46.9, 22:68N-120:84E, h10km NEIC 25 03:56:47.0, 1.6, 22:68N-120:88E, 0.07, h10km, 1km, mb4.4/46, Mw4.1/27, Error ellipse: s-maj=11.9km s-min=3.6km az=284.0, Moment Tensor Solution. Moment tensor: Scale 10^15Nm; M1:0.48; M2:0.06; M3:0.54; M4:0.57; M5:0.13; M6:0.80; Fault plane solution: Ms1.78000x10^15 NP1: phi=281.81000; delta=69.63000; lambda=159.18000; NP2: phi=180.93000; delta=172.14000; lambda=32.08000. Principal axes: T 1.0753, P1g8.0000, Azm234.0000; N 0.1422, P1g54.0000, Azm335.0000; P

-1.8476, Plg35.0000", Azm138.0000"; BUJ 25 03:56:47.3, 22°17'N, 120°56'E, h5km, mb4.3/25, mB4.8/7, ML4.1/4, Ms4.2/14, Ms7.3/9/12

ISC 25 03:56:46.5-0.4, 22.558N, 0.01120°83E, 0.02, h10km, n243, c170/302, mb4.3/38, MS3.4/17, 10C-16D, Taiwan

Table with columns: Code, Station Name, Δ, AZ, Phase ID, Time, Res. Lists various seismic stations and their coordinates.

Table with columns: WCS, PHUB, WCHT, ETB, WCHH, P, Sg, Pn, S, etc. Lists seismic events with station codes and magnitudes.

Table with columns: WMQ, MK31, MKAR, MKAR, MAKZ, MAKZ, PMG, PETK, ZAAO, ZAAO, ZALV, ZALV, ZALV, PALK, NRN, MA2, H11N1, H11N2, H11N3, H11S3, H11S1, H11S2, WRA, WB2, WB2, GAR, GAR, AS31, ASAR, BVAR, BVAR, BRVK, CTA, TIXI, NRK, NRK, ABKAR, ABKAR, ABKAR, KBZ, E21K, E21K, D22K, TOLK, E24K, E24K, F24K, F24K, RND, F25K, IL31, IL31, ILAR, BMAR, F26K, M24K, I26K, I26K, J26L, J26L, N25K, N25K, E28M, E28M, FINES, E29M, E29M, BCAR, I28M, I28M, G29M, H29M, DAWY, I30M, I30M, K29M, K29M, M29M, M29M, F31M, G31M, M30M, M30M, A36M, A36M, M31M, M31M, F30M, F30M, HFS, NC405, NB2, NOA, NOA, NOA, RUBS, RUBS. Lists seismic events with station codes and magnitudes.

25d 5h

Table with columns: ITM, KMBO, YKA, FUORN, DY2G, and various station names and frequencies.

FUNV 25 04:37:41.4, 11°52'N:07°64'W, h22km, MW3.2
R5NC 25 04:37:45.0, 0.0, 11°N:5°7'W, h20km, 1km, M2.4,
ML2.4

ISC 25 04:37:38.1, 2.3, 11°51'N:07°70'W, h22km, 1km,
n17, f1591/33, 1C-6D, Near coast of Venezuela

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and station details.

IDC 25 04:44:21.5, 5.7, 20°33'S:168°77'E, h0km, mb3.7/3,
mbtmp3.7/4, ML3.8/1, MS3.0/2, Error ellipse:
s-maj=143.1km s-min=56.5km az=136.0

NOU 25 04:44:21.6, 2.1, 80°S:169°14'E, h0km, MLV4.0/16,
Southeast of Loyalty Islands

ISC 25 04:44:25.2, 2.0, 21°8'S:01°16'9"E, h1km, n19,
f104/19, mb3.6/3, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and station details.

SJA 25 04:45:28.6, 0.6, 20°08'S:69°20'W, h117km, 2km, ML3.6,
MW3.7

GUC 25 04:45:30.4, 0.6, 20°90'S:69°12'W, h108km, 3km, ML3.6
IDC 25 04:45:34.3, 3.0, 20°75'S:68°79'W, h134km, 30km, mb3.3/2,
mbtmp3.7/4, Error ellipse: s-maj=50.4km s-min=26.2km
az=111.0

ISC 25 04:45:29.3, 0.8, 20°87'S:03°69'26'W, h0km, h116km, gkm,
n43, f143/58, 3C-3D, Northern Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and station details.

2018 DEC

Table with columns: PB06, IPOC Station P, and various station names and frequencies.

Table with columns: PX02, AF01, AF01, AF01, and various station names and frequencies.

Table with columns: PB12, IPOC Station P, and various station names and frequencies.

Table with columns: AP01, AP01, YJ01, and various station names and frequencies.

Table with columns: PB14, IPOC Station P, and various station names and frequencies.

Table with columns: GO02, GO02, GO02, LP02, and various station names and frequencies.

Table with columns: LP02, LP02, AC01, AC01, AC01, and various station names and frequencies.

Table with columns: H03N1, H03N2, H03N3, and various station names and frequencies.

Table with columns: PLCA, BDFB, and various station names and frequencies.

Table with columns: TORD, TORD, and various station names and frequencies.

Table with columns: H1S2, H1S1, H1S3, and various station names and frequencies.

Table with columns: H1N3, H1N2, H1N1, and various station names and frequencies.

Table with columns: MKAR, and various station names and frequencies.

CATAC 25 04:46:06.3, 0.8, 14°43'N:90°58'W, h197km, 5km, ML3.5
IDC 25 04:46:07.0, 1.8, 14°44'N:90°58'W, h218km, 38km, mb3.5/5,
mbtmp3.9/8, Error ellipse: s-maj=82.3km s-min=14.6km
az=35.0

GCG 25 04:46:06.4, 0.5, 14°54'N:90°61'W, h198km, 4km, MD3.7
NEIC 25 04:46:06.6, 1.7, 14°48'N:07°50'W, h218km, 6km,
mb4.4/44, Error ellipse: s-maj=11.1km s-min=7.8km
az=197.0

SNET 25 04:46:08.7, 1.1, 14°57'N:90°57'W, h160km, 7km, ML3.7
ISC 25 04:46:05.8, 0.7, 14°45'N:06°90'W, h0km, h203km, 5km,
n89, f112/110, mb4.4/21, 3C-1D, Guatemala

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and station details.

1702

Table with columns: TGUH, CMIG, and various station names and frequencies.

Table with columns: BOAB, TEIG, JTS, and various station names and frequencies.

Table with columns: TLIG, BRDY, WHTX, and various station names and frequencies.

Table with columns: LRAL, TREL, TXAR, and various station names and frequencies.

Table with columns: Y52A, Y52A, and various station names and frequencies.

Table with columns: HODGE, SWET, SWET, and various station names and frequencies.

Table with columns: W50A, W35A, W35A, BG3, BG3, and various station names and frequencies.

Table with columns: CPCT, FNO, WWT, CLTN, and various station names and frequencies.

Table with columns: TKL, TKL, and various station names and frequencies.

Table with columns: BIRD, OK029, OK029, and various station names and frequencies.

Table with columns: SIUC, SIUC, KAN01, KAN01, and various station names and frequencies.

Table with columns: KAN01, USIN, and various station names and frequencies.

Table with columns: KAN08, WCI, WCI, and various station names and frequencies.

Table with columns: CZSB, M57A, M57A, LUPA, WNYN, L56A, L56A, and various station names and frequencies.

Table with columns: L59A, J57A, SADO, J59A, E46A, WONY, LWB, WBO, and various station names and frequencies.

Table with columns: AGMN, ULM, ULM, and various station names and frequencies.

Table with columns: FFC, SCHO, SCHO, and various station names and frequencies.

Table with columns: SCHO, and various station names and frequencies.

Table with columns: YKAB2, YKA, and various station names and frequencies.

Table with columns: N19K, N19K, SUMG, SUMG, and various station names and frequencies.

Table with columns: M17K, M17K, EKA, and various station names and frequencies.

IDC 25 04:46:16.0, 5.6, 7°05'S:129°38'E, h179km, 55km, mb3.0/1,
mbtmp3.7/4, Error ellipse: s-maj=63.1km s-min=25.4km
az=69.0

ISC 25 04:46:23.0, 2.6, 7°55'O:129°6'E, h200km, n12,
f112/14, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and station details.

1703

MKAR Makanchi Array 8.17 206 Pn Pn 05 12 17.0 +1.1
MKAR 0.1nm,0.3s,baz=26,slow=14,SNR=6.1
Lg Lg 05 14 37.7
0.1nm,0.3s,baz=28,slow=28,SNR=3.3
0.2nm,0.3s

AUST 25 05:11:08.3:0.3,25.5:5.13*0E+4,h10km,mb3.9/5,
ML2.8/5, Error ellipse: s-maj=9.9km s-min=6.0km
az=13.2, Northern Territory

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, h m s ISC, Res ISC

IDC 25 05:22:04.5:1.7,3.12N:125.74E,h0km,mb4.0/4,
mbtmp2.0/4, Error ellipse: s-maj=175.8km s-min=23.6km
az=64.0

NEIC 25 05:22:15.9:1.2,3.8N:0.1:127.9E:0.2,h98km,9km,
mb4.3/10, Error ellipse: s-maj=24.9km s-min=13.3km
az=86.0

ISC 25 05:22:15.7:1.0,3.8N:0.1:127.9E:0.1,h100km,n18,
r124/18,mb4.2/8,Talau Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, h m s ISC, Res ISC

IDC 25 05:44:14.2:0.8,31.70N:131.70E,h0km,mb3.8/10,
mbtmp3.7/12,ML2.9/1,MS3.7/18, Error ellipse:
s-maj=26.2km s-min=15.0km az=68.0

JMA 25 05:44:18.1:0.1,31.8N:0.3:132.0E:0.6,h26km,1km,
MD4.1/40,MV4.2/40,HUGANADA REGION
JMA Felt II J1 at HUGANADA REGION.

NIED 25 05:44:18.1,31.75N:131.98E,h26km,MW4.2.Moment
Tensor Solution. s3 Moment tensor: Scale 10^19Nm.

NEIC 25 05:44:22.4:1.4,31.79N:0.05:131.66E:0.8,h45km,9km,
mb4.4/18 Error ellipse: s-maj=11.4km s-min=3.2km
az=122.0

ISC 25 05:44:19.2:1.4,31.75N:0.05:131.84E:0.05,h31km,9km,
n74,r1936/58,mb4.2/20,MS3.6/17.9D,Kyushu

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, h m s ISC, Res ISC

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, h m s ISC, Res ISC

2018 DEC

SONM Songino Array 25.14 317 P P 05 49 41.1 +0.3
SONM Songino Array 25.14 317 P P 05 49 40.8 +0.7
comp=N,1.3nm,0.3s

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, h m s ISC, Res ISC

YAK Yakutsk 30.32 358 LR LR 06 02 53.1
CMAR Chiang Mai Arr 32.46 254 LR LR 06 05 15.7
BRDH Bariadhala 36.70 266 LR LR 06 08 02.1

WB0 Warrunganga Arr 51.28 177 P Iamb Iamb 05 53 22.1 +1.7
WRA Warrunganga Arr 51.46 177 P Iamb Iamb 05 53 21.9 +0.2
D19K Kuna River 53.56 26 P Iamb Iamb 05 53 38.7 +1.9

ASAR Alice Springs 55.14 178 P P 05 53 48.7 0.0
ARTI Arti 55.24 320 LR LR 06 19 46.4
ABXAR Akbuluk array 55.21 311 P P 05 53 48.7 -1.0

SUA Sunitna One 56.74 34 P P 05 54 00.8 +0.9
E24K Your Creek 57.13 26 P Iamb Iamb 05 54 04.5 +2.0
D25K Kavik River 57.81 25 P Iamb Iamb 05 54 08.9 +1.7

ILAR Eielson Array 58.09 30 P P 05 54 10.1 +0.9
F25K Christian Rive 58.25 27 P Iamb Iamb 05 54 12.8 +2.5
BMAR Burnt Mountain 58.68 27 P P 05 54 15.7 +2.4

YKA Yellowknife Arr 72.20 27 P P 05 55 40.9 +0.2
AKASG Malin Array B 73.39 320 P P 05 55 46.6 -1.4
HFS Hagtors 75.39 333 LR LR 06 34 00.2

IDC 25 05:59:43.0:2.7,54.16N:86.38E,h0km,mbtmp2.8/2,
ML2.6/2, Error ellipse: s-maj=21.1km s-min=11.8km
az=64.0,Southwestern Siberia

H6RU ZALESOVO INFRA 0.94 257 I P 06 05 20.0
ZALV Zalesovo Beam 0.94 257 Pp Pg 05 09 59.7 -1.3
ZALV 1.6nm,0.3s,baz=74,slow=17,SNR=12

ISC 25 06:06:45.4:2.5,4.73S:151.63E,h0km,mb3.3/3,
mbtmp3.4/3, Error ellipse: s-maj=228.7km
s-min=29.0km az=126.0,New Britain region

WRA Warrunganga Arr 22.63 227 P Iamb Iamb 06 11 48.5 +0.3
ASAR Alice Springs 25.43 221 P P 06 12 14.8 -0.3
ILAR Eielson Array 82.53 22 P P 06 19 09.9 +0.1

SOME 25 06:12:27.7,39.60N:73.88E,h35km
KINET 25 06:12:27.8:0.1,39.60N:74.11E,h17km,mb3.0
NNC 25 06:12:28.5:2.0,39.81N:74.39E,h0km,mb3.8,mvp3.4,
Error ellipse: s-maj=14.4km s-min=9.3km az=166.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, h m s ISC, Res ISC

ARSB Aral 2.19 7 LR P 06 13 28.5 +0.1
ARL Aral 2.19 7 LR P 06 13 07.4 0.0

MRKS Merksa 3.12 350 eP S 06 13 24.2 -1.9
MRKS 11nm,0.5s
10nm,0.6s

BOOM Boomschoy usch 3.17 27 eP S 06 13 20.5 -0.4
BOOM Boomschoy usch 3.17 27 eP S 06 13 58.8 -0.4

KDJ Kojays 3.44 44 LR P 06 13 24.0 -0.6
TKM2 Tokmak 2 3.46 20 LR P 06 14 04.9 -1.0
TKM2 Tokmak 2 3.46 20 LR P 06 14 06.4 +0.1

USP Oshpenovka 3.60 6 LR P 06 13 27.1 +0.4
KST Kasket 3.68 23 eP S 06 13 33.9 -1.8
DGS Degeres 3.81 20 eP S 06 13 37.6 -0.2

DGS Degeres 3.81 20 eP S 06 13 27.6 +3.3
DGS Degeres 3.81 20 eP S 06 13 37.6 -0.2
DGS 28nm,0.5s
7.9nm,0.4s

IUG Iuzhnay 3.88 311 eP P 06 13 35.3 -3.8
IUG Iuzhnay 3.88 311 eP S 06 14 23.1 -3.2
IUG Iuzhnay 3.88 311 eP S 06 13 34.2 +3.7

MTBS Tian-Shan 4.03 33 eP P 06 13 37.6 -2.0
TTNS Tian-Shan 4.03 33 eP S 06 14 27.6 +0.4
TTNS Tian-Shan 4.03 33 eP S 06 13 40.6 -1.3

KK31 Karatay Array 4.30 324 LR Pn Pn 06 13 36.8 +0.5
KK31 2.6nm,0.5s,baz=135,slow=23,SNR=15
mbtmp3.3/3,MS3.4/1, Error ellipse: s-maj=196.7km
s-min=26.9km az=63.0

ISC 25 06:17:40.2:1.1,0.01N:0.10:124.6E:0.1,h73km,n10,
r176/10,mb3.2/3,Minahasa Peninsula, Sulawesi

KMSI Cibinong 0.81 314 P S Pn 06 17 56.0 -0.7
LUWI Luwuk 2.07 240 P P Pn 06 18 06.5 -6.5
SANI Sanana 2.49 145 P P Pn 06 18 17.1 -1.5

ASAR Alice Springs 25.22 160 P P 06 23 00.9 +1.4
ASAR 0.3nm,0.6s,baz=346,slow=2.5,SNR=5.6
0.2nm,0.6s

ASCJ Asahikawa 46.77 18 LR LR 06 45 09.9
MKAR Makanchi Array 59.44 328 P P 06 27 36.0 +0.5
0.3nm,0.3s,baz=130,slow=10,SNR=5.4
0.3nm,0.3s

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, h m s ISC, Res ISC

25d 7h

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC h m s, ISC h m s. Includes stations like ILAR Eielson Array, YKA Yellowknife Arr, KURBB Kurchatov Arr, MKAR Makanchi Arr, TXAR Lajitas Array.

IDC 25 06:33:44.0-0.9, 31°43'N-131°65'E, h0km, mb3.6/10, mbmp3.6/12, ML2.9/2, MS3.6/12, Error ellipse: s-maj=26.0km s-min=16.1km az=65.0

NIED 25 06:33:49.9, 31°75'N-131°98'E, h27km, MW4.2, Moment Tensor Solution. s3 Moment tensor: Scale 1015Nm; M1:1.67; M2:0.27; M3:1.93; M1:1.09; M2:0.80; M3:0.34; Fault plane solution: Mo2.29000x1015 NP1:φ43.00000°; δ60.00000°, λ121.00000°. NP2:φ172.00000°, δ42.00000°, λ74.00000°

JMA 25 06:33:49.9, 0.1, 31°8N-0.3, 132°0E-0.6, h27km, 1km, MD4.0/40, MV4.2/40, HYUGA WADA REGION

JMA FcH1 J1 at HYUGA WADA REGION

ISC 25 06:33:50.1-1.5, 31°74'N-131°93'E, h0.08, h35km, 5km, n40, c126/30, mb3.6/10, MS3.6/10, Kyushu

Main station list table for 25d 7h, listing stations from JNKG to SOMAC with their respective parameters.

IDC 25 06:54:41.8, 7.4, 19°20'N-108°83'W, h0km, mb3.1/5, mbmp3.2/7, ML3.1/2, Error ellipse: s-maj=122.0km s-min=64.4km az=149.0

MEX 25 06:54:46.2, 0.5, 19°32'N-108°53'W, h10km, h22km, ISC 25 06:54:46.3, 1.6, 19°4N-01°108'45'W-0.10, MD4.4, c25/13/24, mb3.2/4, Revilla Gigedo Islands region

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC h m s, ISC h m s. Includes stations like CJM Chamela, CIHU Emiliano Zapat, ANIG Ahuacatlan, CDAR Ciudad de Arme, MAIG Mazatlan, CEGR Campo Tres, SOMAC Volcano de Col, SOMAC.

2018 DEC

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC h m s, ISC h m s. Includes stations like MNGA Volcan de Coli, INCO Volcan de Coli, AAG Agusalientes, TXAR Lajitas Array, ANMO Albuquerque, NVAR Mina Array Bay, ELK Elko, PDAR Pinedale Array, YKA Yellowknife Arr, ILAR Eielson Array.

IDC 25 06:55:25.1, 1.6, 19°24'N-108°94'W, h0km, mb3.7/7, mbmp3.8/11, ML3.4/3, MS3.7/11, Error ellipse: s-maj=53.4km s-min=17.9km az=62.0

NEIC 25 06:55:28.0, 1.2, 19°33'N-109°108'8W-0.1, h10km, 1km, mb4.2/41, Error ellipse: s-maj=22.2km s-min=8.6km az=230.0

ISC 25 06:55:29.5, 1.1, 19°4N-01°108'8W-0.1, h26km, n86, c082/69, mb4.2/16, MS3.7/9, Revilla Gigedo Islands region

Main station list table for 2018 DEC, listing stations from H06E1 SOCORRO T-PHAS 2.09 255 T to Y14A Wickenburg.

IDC 25 07:00:33.2, 1.0, 51°94'N-74°26'E, h0km, mbmp2.7/4, ML2.2/3, Error ellipse: s-maj=33.2km s-min=8.9km az=30.0

NNC 25 07:00:35.0, 0.5, 51°85'N-74°22'E, h0km, mb3.3, mpv3.0, Error ellipse: s-maj=16.2km s-min=3.5km az=26.0, Suspected Mining explosion.

ISC 25 07:00:33.3, 1.0, 52°0N-01°174°26E-0.06, h0km, n12, c150/18, 5C-7D, Central Kazakhstan

Main station list table for 25 07, listing stations from BVA0 Borovoye Array to TA0E Nuku Hiva Isla.

1704

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC h m s, ISC h m s. Includes stations like YKA Yellowknife Arr, MID Middleton Isla, ILAR Eielson Array, LPAZ La Paz, LPAZ La Paz, D27M Malcolm River, D27M Malcolm River, PPT2 Papeete2, PPT2 Papeete2, RES Resolute Bay, MDP Montages des, H03N2 Juan Fernandez, H03N1 Juan Fernandez, H03N3 Juan Fernandez, CPUP Villa Florida, PLCA Paso Flores.

IDC 25 07:00:33.2, 1.0, 51°94'N-74°26'E, h0km, mbmp2.7/4, ML2.2/3, Error ellipse: s-maj=33.2km s-min=8.9km az=30.0

NNC 25 07:00:35.0, 0.5, 51°85'N-74°22'E, h0km, mb3.3, mpv3.0, Error ellipse: s-maj=16.2km s-min=3.5km az=26.0, Suspected Mining explosion.

ISC 25 07:00:33.3, 1.0, 52°0N-01°174°26E-0.06, h0km, n12, c150/18, 5C-7D, Central Kazakhstan

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC h m s, ISC h m s. Includes stations like BVA0 Borovoye Array, BVA0 Borovoye Array, BVAR Borovoye Array, BRVK Borovoye, BRVK Borovoye, KURBB Kurchatov Arr, KURBB Kurchatov Arr, KURBB Kurchatov Arr, KURK Kurchatov, KURK Kurchatov, KURK Kurchatov, OTUK ZALESOVO INFRA, I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, MAKZ Makanchi Array, MAKZ Makanchi Array, MK31 Makanchi Array, MK31 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array.

IDC 25 07:11:40.2, 52.0, 15°83'S-173°21'W, h0km, mb3.8/3, mbtp3.8/3, Error ellipse: s-maj=1008.0km s-min=202.9km az=79.0, Tonga Islands

Main station list table for 25 07, listing stations from STKA Stephens Creek to MKAR Makanchi Array.

IDC 25 07:12:59.7, 5.6, 21°37'N-144°37'E, h0km, mb3.5/4, mbtp3.5/4, Error ellipse: s-maj=215.5km s-min=31.0km az=73.0, Mariana Islands region

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC h m s, ISC h m s. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array.

NEIC 25 07:18:19.6, 1°15'N-126°47'E, h30km, Moment Tensor Solution. Duration: 2s Moment tensor: Scale 107Nm; M1:2.23; M2:0.26; M3:0.97; M1:0.07; M2:0.45; M3:0.68; Fault plane solution: Mo1.38000x1017 NP1:φ91.99000°, δ59.33000°, λ76.13000°. NP2:φ37.83000°, δ33.38000°, λ112.01000°. Principal axes: T 1.4410, P1g72.000°, Azm69.0000°; N -0.1200, P1g12.0000°, Azm199.0000°; P -1.3209, P1g13.0000°, Azm292.0000°; MOS 25 07:18:20.9, 1.1, 1°16'N-126°34'E, h30km, mb5.7/3, MS4.7/9, Error ellipse: s-maj=7.3km s-min=3.9km az=118.2

BUI 25 07:18:20.2, 0°98'N-126°34'E, h33km, mb5.3/6, mb5.4/9, MS4.7/7, MS7.4/6/7

IDC 25 07:18:22.2, 1.6, 1°15'N-126°42'E, h27km, 10km, mb5.1/38, mbtp5.3/44, ML5.1/5, MS4.4/5, Error ellipse: s-maj=12.2km s-min=8.2km az=72.0

NEIC 25 07:18:23.2, 1.3, 1°12'N-0°06'126°45E-0.05, h35km, 1km, mb5.6/225, Mmw5.4/25, Error ellipse: s-maj=10.9km s-min=8.0km az=199.0

DJA 25 07:18:24.1, 0.1, 1°N-2°12'6E°, h49km, 2km, MS.3/98, mb5.4/98, mb5.7/71, ML5.5/24, Mw(mb)5.3/71, Mmw5.2/25, Mwp5.4/25

GCMT 25 07:18:25.6, 0.1, 1°27'N-0°01'126°34E-0.01, h31km, MW5.4/137, Moment Tensor Solution. s126.c212; s137.c237; Duration: 1s2 Moment tensor: Scale 107

25d 7h

2018 DEC

1706

Table with columns for station codes (e.g., PZH, BBOO, HNR), coordinates, and various data points including time and signal strength.

Table with columns for station codes (e.g., HNS, DL2, AUMBR), coordinates, and various data points including time and signal strength.

Table with columns for station codes (e.g., MDJ, BNX, TEY), coordinates, and various data points including time and signal strength.

1707

Table with columns for call sign, frequency, power, and other parameters. Includes entries like ZEA, ZAK, KAAM, MSVF, etc.

2018 DEC

Table with columns for call sign, frequency, power, and other parameters. Includes entries like YAK, YAK, YAK, YAK, etc.

25d 7h

Table with columns for call sign, frequency, power, and other parameters. Includes entries like BRZS, BRZS, BRZS, CASY, etc.

25d 7h

Table with columns for station name, frequency, mode, and signal strength. Includes stations like G16K, RAYN, I17K, L16K, N16K, M16K, P16K, D17K, O16K, RDOG, RDOG, C17K, E17K, G17K, F17K, J17K, H17K, L17K, O17K, Q16K, K17K, NAX, CHIR, BELG, BELG, K17R, N17K, N17K, M17K, M17K, P17K, E18K, Q17K, B18K, C18K, F18K, H18K, G18K, ACHA, L18K, GNI, N18K, N18K, A19K, Q18K, P18K, J18K, M18K, O18K, SII, R18K, C19K, GCSA, F19K, F19K, ATD, G19K, D19K, H19K, O19K, O19K, N19K, J19K, E19K, L19K, OHAK, OHAK, OHAK, NCK, NCK, P19K, D20K, ILSW, F20K, KDAK, KDAK, KDAK, KDAK.

2018 DEC

Table with columns for station name, frequency, mode, and signal strength. Includes stations like L20K, K20K, H20K, E20K, I20K, J20K, Q20K, M20K, O20K, GOF, KBZ, KBZ, PPT, PPT2, PPT2, PPT2, PPT2, KVAR, KIV, KIV, KIV, KIV, KIV, KIV, KIV, A21K, IMAR, SPCR, SPU, C21K, G21K, G21K, PPLA, B21K, B21K, F21K, CHUM, H21K, CAST, A22K, SKT, BCA, BRSE, I21K, SUA, B22K, B22K, F22K, D22K, BPAW, H22K, VRH, VRH, G22K, E22K, E22K, MARD, M22K, O22K, TRF, RW, SEW, PMR, PMR, PMR, COLD, D23K, G23K, G23K, C23K, I23K, I23K, MCK, NEA2, VSLR, VSLR, KNK, PWL, E23K, E23K, E23K, WAT1, SML, TOLK.

1708

Table with columns for station name, frequency, mode, and signal strength. Includes stations like TOLK, SOC, SOC, SOC, SOC, SOC, SOC, M23K, WAT6, D24K, P23K, E24K, COLA, C24K, C24K, CCB, H24K, SCM, DHY, GLI, F24K, F24K, VORD, VORD, POKR, VORR, VORR, G24K, G24K, VSR, VSR, HDA, KLMR, KLMR, ILAR, ILAR, LPSR, LPSR, Q23K, M24K, KLU, EYAK, D25K, G25K, K24K, PAX, F25K, J25K, E25K, E25K, HARP, MOS, MOS, RIDG, KIBK, C26K, BMRM, N25K, BMAR, BMAR, GAIM, F26K, SCRK, G26K, C27K, C27K, MENT, MENT, J26L, OBN, OBN, OBN, OBN, OBN, OBN, ASF, L26K, L26K, I26K, KMBQ, KMBQ, KMBQ, M26K, LVZ, LVZ, E27K, E27K.

Table with columns: Call Sign, Frequency, Mode, Power, Direction, Azimuth, Elevation, SNR, and other parameters. Rows include stations like G27K, I27K, L27K, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Direction, Azimuth, Elevation, SNR, and other parameters. Rows include stations like AKASG, AKKBC, AKKBF, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Direction, Azimuth, Elevation, SNR, and other parameters. Rows include stations like NOA, MAUC, MORB, etc.

25d 8h

Table listing station data for 25d 8h, including columns for Code, Station Name, Azimuth, Phase ID, Time, and Residuals. Includes stations like Cathedral Cave, Farmland, Wyandotte Cave, etc.

NNC 25 07:23:22.1±1.6, 50.01N:82.06E, h0km, mb3.3, mpv3.5, Error ellipse: s-maj=18.1km s-min=4.1km az=51.0, Suspected Mining explosion.

ISC 25 07:23:24.1±1.3, 49.73N:81.71E, h0km, mbtmp2.6/3, ML2/3, Error ellipse: s-maj=18.0km s-min=10.3km

Table listing station data for Puerto Rico region, including columns for Code, Station Name, Azimuth, Phase ID, Time, and Residuals. Includes stations like Semipalatinsk, Kurchatov, Kurrb, etc.

RSRP 25 07:31:39.0, 19.18N:66.51W, h31km, 9km, MD2.6/5, 4C,

Table listing station data for AOPR region, including columns for Code, Station Name, Azimuth, Phase ID, Time, and Residuals. Includes stations like AOPR, CEP, LSP, etc.

NNC 25 07:41:36.5±3.2, 37.69N:71.54E, h0km, mb3.8, mpv3.5, 1C-3D, Error ellipse: s-maj=25.5km s-min=19.4km

Table listing station data for KK31 region, including columns for Code, Station Name, Azimuth, Phase ID, Time, and Residuals. Includes stations like Karatay Array, Chumysh, etc.

KRSC 25 07:44:36.9±1.8, 54.86N:164.66E, h51km, 28km, MI3.6, Komandorsky Islands region

Table listing station data for KRSC region, including columns for Code, Station Name, Azimuth, Phase ID, Time, and Residuals. Includes stations like Bering, Krutoberegovo, etc.

2018 DEC

Main table listing station data for 2018 DEC, including columns for Code, Station Name, Azimuth, Phase ID, Time, and Residuals. Includes stations like Krutoberegovo, Bezymyanniy-Pe, etc.

ISC 25 07:44:53.8±2.9, 54.34N:86.05E, h0km, mbtmp2.8/2, ML2.8/2, Error ellipse: s-maj=21.1km s-min=11.7km

Table listing station data for I46RU region, including columns for Code, Station Name, Azimuth, Phase ID, Time, and Residuals. Includes stations like Zalesovo Beam, Kurchatov Arra, etc.

UPP 25 07:50:17.1±0.1, 67.85N:20.20E, h0km, ML2.7, Confirmed Induced event

HEL 25 07:50:18.4±0.3, 67.85N:20.23E, h0km, ML1.2, Explosion

ISC 25 07:50:16.7±0.9, 67.84N:0.03:20.25E:0.04, h0km, n19, <0.86>3/0, Sweden

Table listing station data for KUA region, including columns for Code, Station Name, Azimuth, Phase ID, Time, and Residuals. Includes stations like Kuravaara, Kurrb, etc.

ISC 25 07:55:01.2±2.5, 54.25N:86.15E, h0km, mbtmp2.9/2, ML2.8/2, Error ellipse: s-maj=19.6km s-min=11.6km

Table listing station data for I46RU region, including columns for Code, Station Name, Azimuth, Phase ID, Time, and Residuals. Includes stations like Zalesovo Beam, Kurchatov Arra, etc.

ISC 25 08:10:49.4±3.0, 54.24N:87.16E, h0km, mbtmp2.9/2, ML2.7/1, Error ellipse: s-maj=26.0km s-min=17.9km

Table listing station data for I46RU region, including columns for Code, Station Name, Azimuth, Phase ID, Time, and Residuals. Includes stations like Zalesovo Beam, Kurchatov Arra, etc.

1710

Table listing station data for IDC 25 08:19:48.5±2.7, 53.93N:86.54E, h0km, mbtmp2.6/2, ML2.4/2, Error ellipse: s-maj=23.0km s-min=13.7km

Table listing station data for I46RU region, including columns for Code, Station Name, Azimuth, Phase ID, Time, and Residuals. Includes stations like Zalesovo Beam, Kurchatov Arra, etc.

IDC 25 08:25:14.6±3.3, 53.47N:87.69E, h0km, mbtmp2.6/2, ML2.4/2, Error ellipse: s-maj=33.9km s-min=17.6km

Table listing station data for I46RU region, including columns for Code, Station Name, Azimuth, Phase ID, Time, and Residuals. Includes stations like Zalesovo Beam, Kurchatov Arra, etc.

IDC 25 08:34:39.0±1.5, 54.50N:83.57E, h0km, mbtmp2.7/3, ML2.4/3, Error ellipse: s-maj=15.3km s-min=9.7km

Table listing station data for I46RU region, including columns for Code, Station Name, Azimuth, Phase ID, Time, and Residuals. Includes stations like Zalesovo Beam, Kurchatov Arra, etc.

CNRM 25 08:38:00.8, 36.42N:7.45W, h8km, ML2.2, MDD 25 08:38:05.0, 35.96N:7.28W, h4km, 3km, mb, Lg2.7/15,

INMG 25 08:38:05.7, 1.3, 36.70N:7.28W, h8km, ML2.3, Error ellipse: s-maj=3.7km s-min=2.2km az=23.0

IGIL 25 08:38:06.2, 36.72N:7.34W, h16km, ML2.1, SFS 25 08:38:07.8, 36.80N:7.28W, h26km, ML2.8/16, ML2.7/12, ML2.4/16

ISC 25 08:38:04.1±2.1, 36.73N:0.04:7.30W:0.02, h11km, 9km, n73, <1.945>121, Strait of Gibraltar

Table listing station data for PBDV region, including columns for Code, Station Name, Azimuth, Phase ID, Time, and Residuals. Includes stations like Barranco-do-Ve, Vaqueiros, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like ESTREMOZ, SIERRA GORDA, MANTEIGAS, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like RUS Russkaya, RUS Russkaya, etc.

25d 09:20:5.2, 6.54, 18N.86.52E, h0km, mbtmp3.2/2, ML3.0/2, Error ellipse: s-maj=20.9km s-min=12.9km az=57.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

25d 09:23:01.4, 7.54, 43N.164.37E, h0km, mb4.0/15, mbtmp4.0/18, ML3.6/3, MS3.1/5, Error ellipse: s-maj=20.8km s-min=14.8km az=153.0, KRSC 25 09:23:01.4, 7.54, 43N.164.37E, h48km, 24km, M14.2, NEIC 25 09:23:02.7, 2.2, 54, 4N.0.2, 164.4E, 0.1, h10km, 2km, mb2.4/23, Error ellipse: s-maj=29.6km s-min=11.9km az=179.0, MOS 25 09:23:05.2, 1.2, 54, 50N.164.23E, h43km, mb4.7/14, Error ellipse: s-maj=7.1km s-min=5.9km az=78.5, ISC 25 09:23:03.4, 0.5, 54.53N.0.04, 164.25E.014, h17km, n156, s189/166, mb4.2/42, MS3.7/5, 4C-4D, Komandorsky Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like BERING, TUMROK, etc.

25d 09:23:01.4, 7.54, 43N.164.37E, h0km, mb4.0/15, mbtmp4.0/18, ML3.6/3, MS3.1/5, Error ellipse: s-maj=20.8km s-min=14.8km az=153.0, KRSC 25 09:23:01.4, 7.54, 43N.164.37E, h48km, 24km, M14.2, NEIC 25 09:23:02.7, 2.2, 54, 4N.0.2, 164.4E, 0.1, h10km, 2km, mb2.4/23, Error ellipse: s-maj=29.6km s-min=11.9km az=179.0, MOS 25 09:23:05.2, 1.2, 54, 50N.164.23E, h43km, mb4.7/14, Error ellipse: s-maj=7.1km s-min=5.9km az=78.5, ISC 25 09:23:03.4, 0.5, 54.53N.0.04, 164.25E.014, h17km, n156, s189/166, mb4.2/42, MS3.7/5, 4C-4D, Komandorsky Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like BERING, TUMROK, etc.

25d 09:04:30.1, 3.3, 55.53N.86.19E, h0km, mbtmp2.7/2, ML2.8/2, Error ellipse: s-maj=26.8km s-min=23.8km az=30.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

25d 09:09:10.4, 2.6, 54.06N.86.45E, h0km, mbtmp3.0/2, ML2.8/2, Error ellipse: s-maj=21.8km s-min=12.5km az=62.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

25d 09:04:30.1, 3.3, 55.53N.86.19E, h0km, mbtmp2.7/2, ML2.8/2, Error ellipse: s-maj=26.8km s-min=23.8km az=30.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

25d 09:09:10.4, 2.6, 54.06N.86.45E, h0km, mbtmp3.0/2, ML2.8/2, Error ellipse: s-maj=21.8km s-min=12.5km az=62.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

25d 09:09:10.4, 2.6, 54.06N.86.45E, h0km, mbtmp3.0/2, ML2.8/2, Error ellipse: s-maj=21.8km s-min=12.5km az=62.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

25d 09:09:10.4, 2.6, 54.06N.86.45E, h0km, mbtmp3.0/2, ML2.8/2, Error ellipse: s-maj=21.8km s-min=12.5km az=62.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

25d 9h

Table with columns: YKA, Yellowknife Ar, 40.42 45 eP, P, 09 30 42.1 +2.0, etc. Includes stations like KURK, KURB, MK31, MKAR, etc.

SOME 25 09:25:20.0, 44.62N-82.18E, h25km
NCC 25 09:25:22.5, 0.9, 44.70N-81.96E, h0km, mb3.6, mpv3.4,
Error ellipse: s-maj=12.2km s-min=3.1km az=119.0,
Suspected Mining explosion.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like DJR, MK31, MKAR, etc.

2018 DEC

Main table with columns: ARXS, ZSN, Zaisan, 5.3nm, 0.2s, eS, Sb, 09 26 54.8 -0.2, etc. Includes stations like BSO1, BSO3, BSO4, etc.

1712

Table with columns: MAJO, Matushiro, 8.29 336 Pn, Pn, 09 48 09.8 -1.0, etc. Includes stations like MAJO, JTO, JSD, etc.

1713

Table with columns for flight codes (e.g., CN2, TWGBT, TPUB), destinations (e.g., BeiNa, BinXian, Nanjing), times, and status indicators (P, S, Pn, etc.).

2018 DEC

Table with columns for flight codes (e.g., LuoYang, Hailar, HIA), destinations, times, and status indicators (P, S, Pn, etc.).

25d 9h

Table with columns for flight codes (e.g., MYLDM, LZH, SHER), destinations (e.g., Lahad Datu, Lanzhou, Shemys Is), times, and status indicators (P, S, Pn, etc.).

25d 9h

Table with columns: IRK, Irkutsk, 36.47 320 eP, P, 09 53 15.4 +0.1, etc. Includes rows for UBPT, KDI, MOY, PMG, SBU, etc.

2018 DEC

Table with columns: MYKOM, Kota Tinggi, 45.63 241, P, P, 09 54 31.7 +0.7, etc. Includes rows for WMO, BRDH, KULM, etc.

1714

Table with columns: G16K, Koyuk River, 49.64 27, P, P, 09 55 00.7 -0.8, etc. Includes rows for MAKZ, PPI, J16K, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, Band, etc. Includes stations like YBH Yreka Blue Hor, F07A Phinny Hill Vi, BANOM Banah, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, Band, etc. Includes stations like GNI Garni, PLID Pearl Lake, ARBE Arbavere, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, Band, etc. Includes stations like NB2 NORSAR Subarra, DUG Dugway, HWUT Hardware Ranch, etc.

25d 13h

Table with columns for station name, frequency, power, and other technical details. Includes stations like ILAR Eielson Array, NVAR Mina Array, TXAR Lajitas Array, YKA Yellowknife Arr, and FUORN Otenpass-Fuorn.

13 06 40.6 -1.4
13 06 42.4 -0.6
13 07 23.1 -0.1
13 07 31.5 -0.5
13 13 29.5 -1.0

Main table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time, Res. Lists various stations including ABTO Aybut, RBK Rabkut, WHFO Wadi Hawf, DMTO DMTO, DOK Doka, MHTO MHTO, BSY Bisya, JMDO Jabal Madar, SMDO Samad, JLJN Jalan Bani Buh, WBK Wadi Bani Khal, ASUD Al Ashush, BIDO Bidbid, WSAR Wadi Sarin, BANOM Banath, EIL Elat, ASAF Jabal al Asfar, MFU Meroun Merton, GNI Garni, KBZ Khabaz, AKASG Malin Array B, MKAR Makanchi Array, BVAR Borovoye Array, KURBB Kurchatov Arr, CMAR Chiang Mai Arr, ZALV Zalesovo Beam, DAVOX Davos/Dischmat, TORD Torodi Ar. Bea, FINES FINESS Array B, HFS Hagfors, ESDC Sonseca Array, NOA NORSA Array B, SONM Songino Array, ARCES ARCESS Array B, WRA Warramunga Arr, ASAR Alice Springs, RCBR Riachuelo, FRB Frofisher Bay.

13 06 40.6 -1.4
13 06 42.4 -0.6
13 07 23.1 -0.1
13 07 31.5 -0.5
13 13 29.5 -1.0

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time, Res. Lists stations like BKI Bering, KBTR Krutoberegovo, KBG Krutoberegovo, BZP Bezymyanniy-Pe, KLY Klyuchi, KIRN Kirishev, KMNR Kamestaya, KPT Kopyto, TUMR Tumrok, KOZ Kozyrevsk, ESO Esso, SPN Mlys Shipunski, OSSR Ossora, SMAR Somma, KRER Koryakski, UGLR Uglovaya, KOK Arik, AVH Avacha, KRX Koryaka, PET Petropavlovsk, KMRM Karymshinski, PETK Petropavlovsk, PETK.

2018 DEC

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time, Res. Lists stations like RUS Russkaya, MTRV Mutnovka, GRL Gorelyy, MA2 Magadan, ILAR Gielson Array, MJAR Matsushiro Arr, H1N2 WAKE ISLAND Hy, H1N3 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, YKA Yellowknife Arr, TXAR Lajitas Array, WRA Warramunga Arr, ASAR Alice Springs.

13 09 23.1 -0.1
13 09 25.5 +0.5
13 09 26.0 +0.9
13 13 48.0
13 13 40.6 +0.7
13 13 46.1 +0.2
13 53 11.7
13 53 11.2
13 53 13.5
13 15 45.8 +0.7
13 19 09.8 +1.3
13 20 18.7 +0.3
13 20 38.5 +0.6

13 08 51.7 -0.7
13 10 41.9 -1.0
13 09 00.0 -1.5
13 10 55.4 -0.2
13 09 03.1 -0.3
13 10 58.8 -0.2
13 09 03.7 -0.4
13 10 58.5 -0.7
13 09 06.3 +1.9
13 09 06.7 -0.5
13 09 07.1 -0.8
13 11 02.9 -4.1
13 09 24.9 -0.3
13 19 04.0
13 19 59.7
13 21 31.4
13 24 09.3
13 27 22.9
13 14 11.6 -0.4
13 14 15.9 -1.1
13 14 18.5 +0.8
13 14 25.5 +0.7
13 14 55.0 +2.3
13 15 04.5 -0.9
13 14 28.8
13 15 18.8 -0.2
13 15 31.0 +0.4
13 15 51.9 -1.0
13 16 02.6 -0.5
13 14 02.7
13 16 11.0 -0.3
13 16 21.2 -0.8
13 19 27.2 +0.8
13 19 30.3 +0.8
14 00 16.5
14 05 23.0

Main table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time, Res. Lists stations like PCIG PCIG, HUIG Huatulco, CMIG Matias Romero, CMIG Matias Romero, CMIG Matias Romero, CMIG Matias Romero, UXXUV UXXUV, UXXUV UXXUV, TGIG TGIG, TGIG TGIG, THIG THIG, THIG THIG, CHUJ Union Juarez, PEIG Puerto Escondi, PEIG Puerto Escondi, CCIG Comita, NEUV Arroyo Zacate, OXBJ Oaxaca, OXBJ Oaxaca, VHO Vista Hermosa, VHO Vista Hermosa, TUIG Tuzandepelt, TUIG Tuzandepelt, RTAL Rethalhueu, HUEH Huehuetenango, HUEH Huehuetenango, VHSA Villahermosa, VHSA Villahermosa, YOIS Yosondua, YOIS Yosondua, PMUV Sontecomapan, PMUV Sontecomapan, PNIG Pinotepa, PNIG Pinotepa, TPIX Tlaxiaca, TPIX Tlaxiaca, TOIG Topxalan, TOIG Topxalan, HLIG Huajuapán de L, HLIG Huajuapán de L, TPIG Tehuacan, TPIG Tehuacan, FTIG Fresnillo de T, FTIG Fresnillo de T, TLIG Tlapa, TLIG Tlapa, JALV Jalcomulco, JALV Jalcomulco, CRIG Cruz Grande, CRIG Cruz Grande, LVIG Laguna Verde, LVIG Laguna Verde, PETF Flores, PETF Flores, SCIG Sabancuy, SCIG Sabancuy, DAIG Los Arroyos, DAIG Los Arroyos, PBCV Popocatepetl, PBCV Popocatepetl, PBXN Popocatepetl, PBXN Popocatepetl, PBXN Popocatepetl, PPM Popocatepetl, PPM Popocatepetl, YAIG Yautepex, YAIG Yautepex, CXUV Coxquihui, CXUV Coxquihui, PLIG Platanillo, PLIG Platanillo, CAIG El Cayaco, CAIG El Cayaco, ARIG Puente Sto Nin, ARIG Puente Sto Nin, DEIG Demacau, DEIG Demacau, ZIIG Zihuatanajo, ZIIG Zihuatanajo, MYIG Merida, MYIG Merida, TEIG Tepich, TEIG Tepich, JTS Las Juntas de, JTS Las Juntas de, TXAR Lajitas Array, TXAR Lajitas Array, ANMO Albuquerque, ANMO Albuquerque, SDV Santo Domingo, SDV Santo Domingo, NVAR Mina Array Bea, NVAR Mina Array Bea, YKA Yellowknife Arr, YKA Yellowknife Arr, ESDC Sonseca Array, ESDC Sonseca Array.

13 08 51.7 -0.7
13 10 41.9 -1.0
13 09 00.0 -1.5
13 10 55.4 -0.2
13 09 03.1 -0.3
13 10 58.8 -0.2
13 09 03.7 -0.4
13 10 58.5 -0.7
13 09 06.3 +1.9
13 09 06.7 -0.5
13 09 07.1 -0.8
13 11 02.9 -4.1
13 09 24.9 -0.3
13 19 04.0
13 19 59.7
13 21 31.4
13 24 09.3
13 27 22.9
13 14 11.6 -0.4
13 14 15.9 -1.1
13 14 18.5 +0.8
13 14 25.5 +0.7
13 14 55.0 +2.3
13 15 04.5 -0.9
13 14 28.8
13 15 18.8 -0.2
13 15 31.0 +0.4
13 15 51.9 -1.0
13 16 02.6 -0.5
13 14 02.7
13 16 11.0 -0.3
13 16 21.2 -0.8
13 19 27.2 +0.8
13 19 30.3 +0.8
14 00 16.5
14 05 23.0

1722

NEAR CHICHIJIMA ISLAND
MOS 25 13:14:00.3, 1.0, 28.85N; 142°53'E, h30km, mb4.6/13, Error ellipse: s-maj=18.9km s-min=6.7km az=116.1
NIED 25 13:14:00.3, 5.28; 189N; 142°45'E, h45km, MVA, 2, Moment Tensor Solution. s2. Moment tensor: Scale 10^15N; Mr: 1.75; Mw: 0.04; Ms: 1.71; Mo: 0.67; M0: 0.30; M1: 1.13; Fault plane solution: Mo2. 19000x10^15 NP1: 0.338, 0.00000, 0.64, 0.00000, 1.79, 0.00000; NP2: 0.181, 0.00000, 0.28, 0.00000, 1.11, 0.00000; NEIC 25 13:14:01.1, 7.28; 74N; 0.05; 142°4E; 0.2, h24km, 5km, mb4.6/25 Error ellipse: s-maj=20.8km s-min=7.2km az=77.0

13 13 40.6 +0.7
13 13 46.1 +0.2
13 53 11.7
13 53 11.2
13 53 13.5
13 15 45.8 +0.7
13 19 09.8 +1.3
13 20 18.7 +0.3
13 20 38.5 +0.6

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time, Res. Lists stations like CBIJ Chichi jima, CBJJ Chichijima, JCHJ Haha-jima-NKT2, JHJ2 Mitsune, BSO1 Boso 1, JOD2 Odawara 2, JAG JAG, JAG Ashikaga, INU Inuyama, JGF Kuroka, MIAO Matsu Arr-Jizo, MJAR Matsushiro Arr, MJAR Matsushiro Arr, MJAR Matsushiro Arr.

Main table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time, Res. Lists stations like MAJO Matsushiro, MAJO Matsushiro, MJAB Matsu Tunnel, JMIM Mimi, JNU Nakatsue, JNU Nakatsue, JOW Kunigami, JOW Kunigami, KSRS Korea Array, KSRS Korea Array, USRK Utsukibaki, YHNB Yeheng, YULB Yu-li, SSSL Suanglung, SSSL Suanglung, TPUB Ta-pu, TPUB Ta-pu, BNX BinXian, BNX BinXian, NJ2 Nanjing, NJ2 Nanjing, HEH HeiHe, HEH HeiHe, HIA Hailar, HIA Hailar, DAV Davao City (W), DAV Davao City (W), ZEA Zeya, ZEA Zeya, HHC Huo-hao-te, HHC Huo-hao-te, HHC Huo-hao-te, HHC Huo-hao-te, SONM Songino Array, SONM Songino Array, YAK Yakutsk, YAK Yakutsk, SLVN Son La, SLVN Son La, PZH PanZhiHua, PZH PanZhiHua, MOY Mondy, MOY Mondy, PHRA Phra Pradaeng, PHRA Phra Pradaeng, GOMU GeErLu, GOMU GeErLu, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, TIXI Tikas, TIXI Tikas, ZAAO Zalesovo Array, ZAAO Zalesovo Array, ZALV Zalesovo Beam, ZALV Zalesovo Beam, WRAB Warramunga Arr, WRAB Warramunga Arr, WRWB Tennant Creek, WRWB Tennant Creek, WRAB Warramunga Arr, WRAB Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, MK31 Makanchi Array, MK31 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, MAKZ Makanchi, MAKZ Makanchi, NRIK Norilsk, NRIK Norilsk, KURK Kurchatov, KURK Kurchatov, KURK Kurchatov, KURK Kurchatov, KURB Kurchatov Arr, KURB Kurchatov Arr, AS31 Alice Springs, AS31 Alice Springs.

Table of astronomical observations for stations like IZZE, FETU, SABU, and others, listing coordinates and observations.

NEIC 25 14:12:54.2, 2.5, 5.40S; 0:07:15:1.83E; 0:08, h51km, 9km, mb4.4/24, Error ellipse: s-maj=12.3km s-min=9.6km

IDC 25 14:12:55.4, 4.6, 5.49S; 0:07:17:0E; h74km, 39km, mb3.9/14, mbmp4.2/15, ML2.2/1, MS3.4/1, Error ellipse: s-maj=28.7km s-min=20.0km az=86.0

IDC 25 14:12:52.9, 0.5, 5.43S; 0:07:15:1.82E; 0:08, h45km, n67, a1540/58, mb4.3/26, MS3.4/10, New Britain region

Table listing station details for NEIC and IDC events, including station names, coordinates, and observation times.

Main table of astronomical observations for stations like E19K, ZALV, F21K, and others, listing coordinates and observations.

IDC 25 14:15:37.7, 29.0, 37.24N; 20:11E, h0km, mb3.8/4, mbmp3.8/4, MS3.1/2, Error ellipse: s-maj=48.7km az=37.0

ATH 25 14:15:43.6, 37.60N; 20:32E, h8km, 3km, ML3.4/4, Error ellipse: s-maj=3.9km s-min=1.3km az=44.0

THE 25 14:15:44.0, 37.63N; 20:35E, h8km, ML2.9/9, Error ellipse: s-maj=1.2km s-min=0.4km az=26.0

ISC 25 14:15:43.6, 1.6, 37.24N; 20:11E, h0km, n66, a41, c048/59, mb3.8/4, Ionian Sea

Table listing station details for ATH, THE, and ISC events, including station names, coordinates, and observation times.

Table of astronomical observations for stations like MKAR, ZALV, PDAR, listing coordinates and observations.

KRSC 25 14:26:53.6, 1.4, 54.52N; 164.22E, h47km, 33km, ML3.5 IDC 25 14:26:54.1, 3.5, 54.76N; 164.16E, h0km, mb3.2/2

ISC 25 14:26:52.9, 1.6, 54.57N; 164.20E; 0:08, h2km, 16km, n29, c197/40, Komandorski Islands region

Table listing station details for KRSC and ISC events, including station names, coordinates, and observation times.

IDC 25 14:54:49.1, 999.0, 7.85S; 102:58E, h0km, Error ellipse: s-maj=598.1km s-min=154.8km az=56.0, Southwest of Sumatra

NEIC 25 14:55:23.4, 0.9, 18.5S; 0:2:17:75W; 0:2, h51km, 12km, mb4.5/20, Error ellipse: s-maj=22.9km s-min=21.7km

IDC 25 14:55:31.1, 1.9, 18.76S; 177:68W, h603km, 23km, mb3.4/1, mbtmp4.4/13, Error ellipse: s-maj=20.6km s-min=17.4km az=2.0

ISC 25 14:55:30.6, 0.8, 18.7S; 0:1:17:77W; 0:1, h600km, n45, c082/45, mb4.5/24, Fiji Islands region

Table listing station details for IDC and ISC events, including station names, coordinates, and observation times.

TXAR comp=Z,0.4nm,0.6s,baz=321,slow=1.9,SNR=4.9 ... Lajitas Array 58.27 82 P P 15 58 11.8 +0.7

ASAR Alice Springs 85.83 223 P P 16 00 55.7 -0.2

NOU 25 16:01:30.0, 40.34S, 176.72E, h34km, MLV2.9/7, North Island, New Zealand

Code Station Name Az AZZ Phase ID Time Res h m s ISC ... PGFS Porangahau Fir 0.14 291 S P 16 01 34.4 +0.3

TWD Chiawan 0.81 247 P Pn 16 03 28.8 -0.7 ... LATG Datong 0.82 280 I S Pn 16 03 29.5 -0.3

NOU 25 16:01:31.0, 40.6, 177.7E, h9km, MLV2.1/2, ML3.6/12, MLV3.2/12, Error ellipse: s-maj=6.8km

Code Station Name Az AZZ Phase ID Time Res h m s ISC ... NSK Sangauang 1.00 286 I S Pn 16 03 31.7 -0.3

KNRA Kununurra 21.35 171 P P 16 12 09.0 -1.1 ... FITZ Fitzroy Crossi 23.51 180 P P 16 12 30.5 +0.1

IDC 25 16:37:49.5, 56.0, 20.00S, 179.20E, h0km, mb3.7/3, mbtmp3.7/3, Error ellipse: s-maj=1011.0km

Code Station Name Az AZZ Phase ID Time Res h m s ISC ... STKA Stephens Creek 35.66 243 P P 16 44 49.1 -0.3

NOU 25 16:01:29.1, 1.1, 140.35S, 176.78E, 177km, 3km, n80, c0579/90, North Island

Code Station Name Az AZZ Phase ID Time Res h m s ISC ... PWZ Waipawa Distri 0.43 340 P P Sg 16 01 38.1 +0.3

NOU 25 16:01:29.1, 1.1, 140.35S, 176.78E, 177km, 3km, n80, c0579/90, North Island

Code Station Name Az AZZ Phase ID Time Res h m s ISC ... WWSB Renai 1.25 251 P Pn 16 03 35.3 -0.7

IDC 25 17:16:08.3, 1.7, 54.31N, 164.50E, h50km, 30km, MI4.0, Komandorsky Islands region

Code Station Name Az AZZ Phase ID Time Res h m s ISC ... BKI Bering 0.94 65 eP Pn 17 16 26.3 +1.2

NOU 25 16:01:29.1, 1.1, 140.35S, 176.78E, 177km, 3km, n80, c0579/90, North Island

Code Station Name Az AZZ Phase ID Time Res h m s ISC ... E0S3 EOS3 0.14 219 Op Pn 16 03 23.8 +0.6

NOU 25 16:01:29.1, 1.1, 140.35S, 176.78E, 177km, 3km, n80, c0579/90, North Island

Code Station Name Az AZZ Phase ID Time Res h m s ISC ... WWSB Renai 1.25 251 P Pn 16 03 35.3 -0.7

IDC 25 17:16:08.3, 1.7, 54.31N, 164.50E, h50km, 30km, MI4.0, Komandorsky Islands region

Code Station Name Az AZZ Phase ID Time Res h m s ISC ... BKI Bering 0.94 65 eP Pn 17 16 26.3 +1.2

NOU 25 16:01:29.1, 1.1, 140.35S, 176.78E, 177km, 3km, n80, c0579/90, North Island

Code Station Name Az AZZ Phase ID Time Res h m s ISC ... WWSB Renai 1.25 251 P Pn 16 03 35.3 -0.7

NOU 25 16:01:29.1, 1.1, 140.35S, 176.78E, 177km, 3km, n80, c0579/90, North Island

Code Station Name Az AZZ Phase ID Time Res h m s ISC ... WWSB Renai 1.25 251 P Pn 16 03 35.3 -0.7

IDC 25 17:16:08.3, 1.7, 54.31N, 164.50E, h50km, 30km, MI4.0, Komandorsky Islands region

Code Station Name Az AZZ Phase ID Time Res h m s ISC ... BKI Bering 0.94 65 eP Pn 17 16 26.3 +1.2

NOU 25 16:01:29.1, 1.1, 140.35S, 176.78E, 177km, 3km, n80, c0579/90, North Island

Code Station Name Az AZZ Phase ID Time Res h m s ISC ... WWSB Renai 1.25 251 P Pn 16 03 35.3 -0.7

NOU 25 16:01:29.1, 1.1, 140.35S, 176.78E, 177km, 3km, n80, c0579/90, North Island

Code Station Name Az AZZ Phase ID Time Res h m s ISC ... WWSB Renai 1.25 251 P Pn 16 03 35.3 -0.7

IDC 25 17:16:08.3, 1.7, 54.31N, 164.50E, h50km, 30km, MI4.0, Komandorsky Islands region

Code Station Name Az AZZ Phase ID Time Res h m s ISC ... BKI Bering 0.94 65 eP Pn 17 16 26.3 +1.2

25d 17h

2018 DEC

1728

Table with multiple columns: Station Name, Altitude, Azimuth, Frequency, Power, and other technical details. Includes stations like CIRR Tsirk, BZP Bezmyanniy-Pe, and M17K Holitna River.

1733

Table with columns: Code, Station Name, Az, El, P, Q, R, Time, Res. Includes entries for Mount Kennedy, Haines Junction, Miner Creek, etc.

IDC 25 20:59:19.7, 1.1, 49S, 134.57E, h0km, mb3.5/3, mbmp3.6/4, ML3.5/1, Error ellipse: s-maj=401.4km s-min=24.6km az=78.0

Table with columns: Code, Station Name, Az, El, P, Q, R, Time, Res. Includes entries for Fak Fak, Biak, Serui, Papua, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, Time, Res. Includes entries for Alice Springs, Makanchi Array, Kurchatov Arra, etc.

IDC 25 21:20:36.3, 1.5, 30'16N, 87.49E, h0km, mb3.7/7, mbmp3.6/9, ML3.5/2, Error ellipse: s-maj=49.8km s-min=23.7km az=58.0

Table with columns: Code, Station Name, Az, El, P, Q, R, Time, Res. Includes entries for Chiang Mai Arr, Makanchi Array, Kurchatov Arra, etc.

IDC 25 21:20:41.4, 1.3, 30'22N, 02.87'E, 0.3, h35km, n9, of 1907/9, mb3.5/7, Xizang

Table with columns: Code, Station Name, Az, El, P, Q, R, Time, Res. Includes entries for Chiang Mai Arr, Kurchatov Arra, Sonm Songoing Array, etc.

IDC 25 21:31:12.4, 2.0, 30'31N, 87.42E, h0km, mb3.6/9, mbmp3.6/11, ML3.7/2, MS2.8/2, Error ellipse: s-maj=37.9km s-min=34.2km az=82.0

Table with columns: Code, Station Name, Az, El, P, Q, R, Time, Res. Includes entries for Chiang Mai Arr, Ala-Archa, Makanchi Array, etc.

IDC 25 21:31:12.4, 2.0, 30'31N, 87.42E, h0km, mb3.6/9, mbmp3.6/11, ML3.7/2, MS2.8/2, Error ellipse: s-maj=37.9km s-min=34.2km az=82.0

Table with columns: Code, Station Name, Az, El, P, Q, R, Time, Res. Includes entries for Kurchatov Arra, Zalesovo Beam, Borovoye Array, etc.

2018 DEC

Main table with columns: Code, Station Name, Az, El, P, Q, R, Time, Res. Includes entries for NOA NORSAR Array B, TORO Torodi Arr, IDC 25 21:54:34.0, etc.

25d 21h

Table with columns: LZH, TKM2, TKM2, TKM2, etc. Includes entries for Ala-Archa, Kurchatov Arra, Zalesovo Beam, etc.

25d 22h

Table with columns for station name, frequency, power, and status. Includes stations like TNCH, KBL, GYA, AB31, etc.

2018 DEC

Table with columns for station name, frequency, power, and status. Includes stations like RNP9, RNP5, RNDU, etc.

1734

Table with columns for station name, frequency, power, and status. Includes stations like FITZ, FRB, YKA, etc.

1735

Table with columns: KEV, KEV, comp=Z, 15nm, 0.3s, E S, Sn, 22 25 52.3 +0.8, 22 25 59.0, 22 25 15.3 +1.3, etc.

JMA 22:23:31.41.50.1, 24.0N, 0.8E, 122.5E, 0.3, h29km, 2km, M2.6/14, NW OFF ISHIGAKIJIMA IS

Table with columns: Code, Station Name, A, AZ, Phase ID, Time, Res, EOA, EOA4, EOA3, EOA5, etc.

Table with columns: Code, Station Name, A, AZ, Phase ID, Time, Res, PFVI, PFVI, PFVI, etc.

2018 DEC

Main table with columns: Code, Station Name, A, AZ, Phase ID, Time, Res, PFVI, PFVI, PTEO, PTEO, etc.

25d 22h

Table with columns: LEIR, Leirfjorden, 1.61 117, eP, Pn, 22 54 17.6 +1.7, 22 54 37.9 +1.6, 22 54 38.5, etc.

26d 1h

Table with columns: ULM, comp, Z, 0.3nm, 0.3s, baz, 219, slow=15, SNR=4.3, Lg, Lg, 00 33 33.5, etc.

2018 DEC

Table with columns: OFFRI, 'Of'er, 0.69 244 P, Pb, 00 54 29.0 +0.0, etc.

1738

Table with columns: CO01, Juntas del Tor, 9.36 197 Pn, Pn, 01 03 40.0 +0.8, etc.

HEL 26 00:28:42.2+0.3, 67:89N, 19:91E, h0km, ML1.6, Suspected explosion

UPP 26 00:28:41.1+0.0, 67:85N, 20:20E, h0km, ML2.5, Unknown, Sweden

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

UPP 26 00:28:44.2+0.0, 67:85N, 20:22E, h0km, ML1.7, Unknown, Sweden

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

JSO 26 00:53:56, 32:94N, 35:65E, h5km, ML2.7/24
GRAL 26 00:53:56, 1+0.3, 32:84N, 35:69E, h0km, 9km, MD3.0

GII 26 00:53:56, 1+0.3, 32:92N, 0:02:35, 689E:0:00:1, h6km, Md2.5/6, Mw=2.77, confirmed

ISC 26 00:53:55.4+0.8, 32:92N, 0:02:35.73E, 0:03, h13km, 4km, n65, d0R73/5, Dead Sea region

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

SJA 26 01:01:27.4+0.6, 20:96S, 66:97W, h246km, 6km, ML4.1, MW3.9

SCB 26 01:01:29.5+1.5, 21:03S, 66:97W, h218km, 12km, ML4.3/2, MW3.6, Error ellipse: s-maj=7.1km s-min=3.7km az=0.0

IDC 26 01:01:30.6+1.4, 20:84S, 66:78W, h223km, 13km, mb3.6/8, mbmp4.2/12, Error ellipse: s-maj=17.6km s-min=11.6km az=71.0

NEIC 26 01:01:30.1+2.4, 20:99S, 0:07:66W, 0:09, h217km, 7km, mb4.2/27, Error ellipse: s-maj=12.4km s-min=9.7km az=85.0

VAO 26 01:01:31.2+0.5, 20:87S, 66:91W, h232km, 6km, mb4.1, ISC 26 01:01:29.8+0.6, 21:00S, 66:99W, 0:04, h222km, 6km, mb3.6/12, 36, 14942/160, mb4.1/18, 2C, Southern Bolivia

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

GO01 Chusmiza, 2.46 302 Pn, Pn, 01 02 15.2 +0.0

GO01 Chusmiza, 2.46 302 eS, S, 01 02 15.2 +0.0

GO01 Chusmiza, 2.46 302 eS, S, 01 02 15.2 +0.0

GO01 Chusmiza, 2.46 302 eS, S, 01 02 15.2 +0.0

GO01 Chusmiza, 2.46 302 eS, S, 01 02 15.2 +0.0

GO01 Chusmiza, 2.46 302 eS, S, 01 02 15.2 +0.0

GO01 Chusmiza, 2.46 302 eS, S, 01 02 15.2 +0.0

GO01 Chusmiza, 2.46 302 eS, S, 01 02 15.2 +0.0

GO01 Chusmiza, 2.46 302 eS, S, 01 02 15.2 +0.0

GO01 Chusmiza, 2.46 302 eS, S, 01 02 15.2 +0.0

GO01 Chusmiza, 2.46 302 eS, S, 01 02 15.2 +0.0

GO01 Chusmiza, 2.46 302 eS, S, 01 02 15.2 +0.0

GO01 Chusmiza, 2.46 302 eS, S, 01 02 15.2 +0.0

GO01 Chusmiza, 2.46 302 eS, S, 01 02 15.2 +0.0

GO01 Chusmiza, 2.46 302 eS, S, 01 02 15.2 +0.0

GO01 Chusmiza, 2.46 302 eS, S, 01 02 15.2 +0.0

GO01 Chusmiza, 2.46 302 eS, S, 01 02 15.2 +0.0

FRTB Fartura, 16.31 101 eP, Pn, 01 05 06.7 -0.3

FRTB Serra Nova Dou, 17.51 62 eP, Pn, 01 05 18.5 -0.6

FRTB Itaperi, 17.96 84 eP, Pn, 01 05 39.8 -0.9

RCLB Rio Claro- Sao, 18.14 98 eP, Pn, 01 05 25.6 -0.3

SPB Sao Paulo, 18.28 102 eP, Pn, 01 05 27.4 +0.1

SPB Sao Paulo, 18.28 102 eP, Pn, 01 05 27.4 +0.1

VAOS Vals, 18.68 100 P, Pn, 01 05 30.6 -1.1

BDFB Brasilia, 18.79 77 P, Pn, 01 05 32.8 -0.2

BDFB Brasilia, 18.79 77 P, Pn, 01 05 32.8 -0.2

GO06 Curarrehue, 18.91 191 P, Pn, 01 05 34.8 +0.7

PTCB Ponta de Minas, 19.50 86 eP, Pn, 01 05 39.8 -0.9

ITTB Itaituba, 19.83 35 eP, Pn, 01 05 42.5 -1.0

PLCA Paso Flores, 19.90 188 P, Pn, 01 05 47.2 -2.0

PLCA Paso Flores, 19.90 188 P, Pn, 01 05 47.2 -2.0

PLCA Paso Flores, 19.90 188 P, Pn, 01 05 47.2 -2.0

PLCA Paso Flores, 19.90 188 P, Pn, 01 05 47.2 -2.0

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PLCA Paso Flores, 19.90 188 P, Pn, 01 05 47.2 -2.0

PLCA Paso Flores, 19.90 188 P, Pn, 01 05 47.2 -2.0

PLCA Paso Flores, 19.90 188 P, Pn, 01 05 47.2 -2.0

PLCA Paso Flores, 19.90 188 P, Pn, 01 05 47.2 -2.0

PLCA Paso Flores, 19.90 188 P, Pn, 01 05 47.2 -2.0

DJA 26 01:09:32.0+0.4, 6:5:3, 12:9E, h306km, 9km, M4, 4/16, mb4.6/6, mb4.8/6, MLV4.5/16, Mw(mB)4.1/6

NEIC 26 01:09:33.1+1.6, 5:81S, 0:09:128, 82E:0:05, h261km, 10km, mb4-12.0, Error ellipse: s-maj=13.8km s-min=6.2km az=165.0

IDC 26 01:09:36.9+2.1, 6:12S, 128:63E, h315km, 23km, mb3.2/5, mbmp4.2/10, Error ellipse: s-maj=22.6km s-min=10.9km az=64.0

ISC 26 01:09:32.3+0.6, 5:95S, 0:05:128, 95E:0:07, h264km, n52, az=187.0, mb3.9/8, Banda

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

26d 1h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like M16K, O16K, OHAK, GCSA, L16K, etc.

2018 DEC

Main table of station data for December 2018. Columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BKI, KBTR, KBG, etc.

1740

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like NLC, SMAR, KRER, etc.

ADC 26.01:25.17.9...0.85.71N; 166.43E, h0km, mb3.6/11, mbmp3.6/12, ML3.1/1, MS3.1/9, Error ellipse: s-maj=31.2km s-min=16.0km az=166.0

ADC 26.01:35.08.8.1.6.55:17N; 164.44E, h0km, mb3.5/5, mbmp3.5/6, ML3.2/1, Error ellipse: s-maj=53.1km s-min=22.3km az=162.0

NEIC 26.01:53.41.1.0.9.19:34N; 01:155:127W; 0.006, h6km; 2km, Error ellipse: s-maj=2.0km s-min=0.7km az=170.0

Table of astronomical observations for station OBL Observatory Le, including columns for station name, phase, ID, time, and residual.

DJA 26 01:54:09.3-0.5, 7.S.4; 12.7E; h426km, 9km, M4.4/13, mb4.3/7, mB4.6/1, MLv4.4/13, Mw(mB)3.8/1

Table of astronomical observations for stations AAI Ambon, BNDI Bandanaira, and others, including columns for station name, phase, ID, time, and residual.

TIR 26 02:09:38.2, 41.38N, 21.00E, h16km, 1km, Md2.6, M1.9

Table of astronomical observations for stations OHR Ohrid, PSH Peshkopja, and others, including columns for station name, phase, ID, time, and residual.

NEIC 26 02:18:59.2-0.4, 36.275N, 0.010, 97.512W, 0.006, h5km, 2km, mb Lg2.6/42, ML2.8/69, Error ellipse: s-maj=1.4km, s-min=0.7km, az=183.0, Oklahoma

Table of astronomical observations for stations CROK Carrier, OK029 Liberty Lake, and others, including columns for station name, phase, ID, time, and residual.

Table of astronomical observations for stations ADOK Arcadia Dam, OK031 Brethren Rd, and others, including columns for station name, phase, ID, time, and residual.

OK038 West End E0370, OK038 Anthony NE Sta

Table of astronomical observations for stations FNO Franklin, T35A Sooner Cattle, and others, including columns for station name, phase, ID, time, and residual.

ABTX Abilene, Hawie, Basin Creek Fa X40A

Table of astronomical observations for stations RTBA Rita Blanca, SNO7 Snyder 07, and others, including columns for station name, phase, ID, time, and residual.

GII 26 02:19:12.9-0.5, 37.63N, 15.10E, h10km, confirmed

Table of astronomical observations for stations GII 26 02:19:13.6-0.4, 37.53N, 15.25E, h10km, 2km, ML4.9/11

LDG 26 02:19:15.5-0.2, 37.63N, 15.17E, h10km, Error ellipse: s-maj=6.0km, s-min=4.9km, az=160.0

CRAAG 26 02:19:17.0-0.3, 37.52N, 15.26E, Mb4.9, Italie

Table of astronomical observations for stations VAE Valguarnera, RAFF Raffo Rosso, and others, including columns for station name, phase, ID, time, and residual.

Table with columns: Call sign, Name, Frequency, Band, Mode, Power, etc. Includes stations like CASP Castiglione de..., KOME Kolasin, etc.

Table with columns: Call sign, Name, Frequency, Band, Mode, Power, etc. Includes stations like FETA Feichten, DAVOX Davos/Dischmat, LESA Schwarzeleot, etc.

Table with columns: Call sign, Name, Frequency, Band, Mode, Power, etc. Includes stations like GOPC GO Pecny, Ondr, CFR Carcalui, etc.

26d 2h

Table of astronomical data for 26d 2h, listing object names (e.g., UOSS, HATD, ASHO), coordinates, magnitudes, and other parameters.

2018 DEC

Table of astronomical data for 2018 DEC, listing object names (e.g., MDOK, MFOK, SFJD), coordinates, magnitudes, and other parameters.

1744

Table of astronomical data for 1744, listing object names (e.g., A36M, SADO, NBMA), coordinates, magnitudes, and other parameters.

Table with columns: Call sign, Frequency, Mode, Power, Distance, and Name. Includes entries like HNS comp=Z,800nm,19.4s, LYN comp=Z,470nm,17.6s, etc.

Main table with columns: Call sign, Frequency, Mode, Power, Distance, and Name. Includes entries like OTAV Otavalo 92.73 272, NVAR Mira Array Bea 92.79 325, etc.

Table with columns: Call sign, Frequency, Mode, Power, Distance, and Name. Includes entries like O19K comp=N,37nm,0.5s, L19K White Mountain 2.49 291, etc.

AEIC 26 02:36:59.8z 2.0,61:35N,0.01:149:99W:0.04, h20km,7km, Er= ellipsoid: s-maj=2.9km s-min=2.1km az=93.0

NEIC 26 02:37:00.2,1.4,61:38N,0.03:149:90W:0.03, h33km,6km, M-L2.5:130, M-L2.4(AEIC), Error ellipse: s-maj=4.0km

s-min=1.5km az=158.0, Southern Alaska

Code Station Name A' AZ' Phase ID Time Res

Main table of station data for the '26d 2h' section. Includes entries like FIS Fire Island 0.29 213, RC01 Rabbit Creek A 0.30 165, etc.

IDC 26 02:39:49.8z 1.5,5:92S,148:35E, h71km,13km, mb3.9/12, mbmp4.2/14, MS3.5/10, Error ellipse: s-maj=25.5km

s-min=8.6km az=111.0, NEIC 26 02:39:50.4z 2.0,6:03S,0:09,148:5E:0.1, h61km,6km

mb4.6/30, Error ellipse: s-maj=17.5km s-min=10.0km az=123.0

ISC 26 02:39:49.6z 0.4,6:00S,0:06,148:50E:0.09, h65km, n90, s=1812/85, mb4.5/28, New Britain region

Main table of station data for the '26d 2h' section. Includes entries like PMG Port Moresby 3.64 201, PMG Port Moresby 3.64 201, etc.

26d 3h

BATI	Baumata	24.93 259	LR	LR	02 56 49.9
FITZ	Fitzroy Crossi	25.34 240	P	P	02 45 11.4 +0.7
STKA	Stevens Creek	26.54 193	P	P	02 45 22.5 +0.8
STKA	Stevens Creek	26.54 193	P	P	02 45 22.5 +0.8
STKA	Stevens Creek	26.54 193	P	P	02 45 22.5 +0.8
STKA	Stevens Creek	26.54 193	P	P	02 45 22.5 +0.8
WRKA	Warakurna	27.07 223	P	P	02 45 26.5 +0.1
BBOO	Buckleboo	29.09 202	I	I	02 46 17.4
FORT	Forrest	31.24 215	P	P	02 46 03.2 -0.1
FOR	Forrest	31.24 215	P	P	02 46 04.1 +0.9
TOO	Toolangi	31.55 185	P	P	02 46 06.3 +0.4
MBWA	Marble Bar	31.68 239	I	I	02 47 03.5 +0.1
MBWA	Marble Bar	31.68 239	I	I	02 47 03.5 +0.1
MBWA	Marble Bar	31.68 239	I	I	02 47 03.5 +0.1
MBWA	Marble Bar	31.68 239	I	I	02 47 03.5 +0.1
MBWA	Marble Bar	31.68 239	I	I	02 47 03.5 +0.1
MBWA	Marble Bar	31.68 239	I	I	02 47 03.5 +0.1
MBWA	Marble Bar	31.68 239	I	I	02 47 03.5 +0.1
MBWA	Marble Bar	31.68 239	I	I	02 47 03.5 +0.1
MBWA	Marble Bar	31.68 239	I	I	02 47 03.5 +0.1

2018 DEC

ERTU	Ertsjaerv	1.46 148	P	Pn	02 43 51.1 +0.2
KLF	Kolari	1.54 110	PN	Pn	02 43 51.7 -0.2
KLF	Kolari	1.54 110	PN	Pn	02 44 10.1
KLF	Kolari	1.54 110	PN	Pn	02 44 10.1
KLF	Kolari	1.54 110	PN	Pn	02 44 10.1
KLF	Kolari	1.54 110	PN	Pn	02 44 10.1
KLF	Kolari	1.54 110	PN	Pn	02 44 10.1
KLF	Kolari	1.54 110	PN	Pn	02 44 10.1
KLF	Kolari	1.54 110	PN	Pn	02 44 10.1
KLF	Kolari	1.54 110	PN	Pn	02 44 10.1

1746

WRA	Warramunga Arr	46.26 265	P	P	03 12 00.5 +0.1
WRA	Warramunga Arr	46.26 265	P	P	03 12 00.5 +0.1
WRA	Warramunga Arr	46.26 265	P	P	03 12 00.5 +0.1
WRA	Warramunga Arr	46.26 265	P	P	03 12 00.5 +0.1
WRA	Warramunga Arr	46.26 265	P	P	03 12 00.5 +0.1

IDC 26 02:43:22.4+0.3, 67.72N, 136.20E, h0km, mb4.6/17, mb1mp4, 6.19, ML4, 8/2, MSA, 3/47, Error ellipse: s-maj=21.8km s-min=15.9km az=148.0

NOU 26 03:23:50.1, 16.39S, 167.99E, h0km, mb4.8/31, Vanuatu Islands

NEIC 26 03:23:54.3, 1.9, 167.38S, 0.07, 167.89E, 0.07, h35km, 1km, mbs, 1/63, Error ellipse: s-maj=14.5km s-min=7.8km az=138.0

GCMT 26 03:23:55.3, 0.3, 16, 18S; 0.02:168.08E; 0.01, h12km, MV5, 0.84, Moment Tensor Solution. s29, c37; s84, c112; Duration: 0 Moment Tensor Solution. Scale 10^19Nm; Mr0.32; 12; Mw3.41; 11; Mo3.73; 10; Mm0.64; 31; Mo0.69; 12; Mw1.79; 33; Best double couple: M4, 06100; 1019; NP1; 220.0000; 387.0000; 1; 15.0000; NP2; 128.0000; 865.0000; 4.4.00000. Principal axes: T 3.6920, Plg15.0000, Azm351.0000; N 0.7340, Plg64.0000; Azm227.0000; P -4.4310, Plg20.0000, Azm87.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

IDC 26 03:23:53.7, 0.3, 16.37S, 0.05, 168.04E, 0.05, h35km, n183, e1977/161, mbs, 0.57, MSA, 3/49, 2D, Vanuatu Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
DVP	Devils Point	1.36	174	P	02 34 13.8 -2.3	
DVP	Devils Point	1.36	174	P	02 34 13.8 -2.3	
MARC	Mare, Loyalty	5.08	180	P	02 35 07.5 +0.1	
KOUNC	Koumang, New C	5.48	220	P	02 35 11.9 -0.9	
YATNC	Mannie plateau,	5.76	181	P	02 35 15.3 -1.5	
YATNC	Mannie plateau,	5.76	181	P	02 35 15.3 -1.5	
DZM	Mont Dzumac	5.87	195	ePn	02 35 16.8 -1.5	
DZM	Mont Dzumac	5.87	195	ePn	02 35 16.8 -1.5	
DZM	Mont Dzumac	5.87	195	ePn	02 35 16.8 -1.5	
DZM	Mont Dzumac	5.87	195	ePn	02 35 16.8 -1.5	
DZM	Mont Dzumac	5.87	195	ePn	02 35 16.8 -1.5	

HEL 26 02:43:22.4+0.3, 67.72N, 136.20E, h0km, ML1.0, Explosion

UPP 26 02:43:23.0, 1.67, 82N, 20E, h4km, ML2.6, Suspected induced event

ISC 26 02:43:23.2, 0.1, 67.80N, 0.03, 20.25E, 0.04, h0km, n17, c095/24, Sweden

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
KUA	Kurraavaara	0.16	12	P	02 43 26.3 0.0	
KUA	Kurraavaara	0.16	12	P	02 43 26.3 0.0	
RATU	Laukkulupa	0.25	276	P	02 42 27.9 -0.1	
DUNU	Dundret	0.69	107	P	02 43 36.7 +0.2	
LANU	Lannavaara	0.71	69	P	02 43 36.7 -0.1	
LANU	Lannavaara	0.71	69	P	02 43 36.7 -0.1	
LANU	Lannavaara	0.71	69	P	02 43 36.7 -0.1	
MASU	Masugnbyn	0.75	116	P	02 43 38.0 +0.4	
KIF	Kilpisjarvi	1.23	9	P	02 44 02.8 +0.2	
KIF	Kilpisjarvi	1.23	9	P	02 44 02.8 +0.2	
KIF	Kilpisjarvi	1.23	9	P	02 44 02.8 +0.2	
KIF	Kilpisjarvi	1.23	9	P	02 44 02.8 +0.2	

IDC 26 03:03:32.8+0.3, 24.66S, 175.70W, h0km, mb4.2/3, mb1mp4, 2/3, Error ellipse: s-maj=79.8km s-min=167.6km az=83.0, South of Tonga Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
STKA	Stevens Creek	38.10	249	P	03 10 53.2 -0.4	
STKA	Stevens Creek	38.10	249	P	03 10 53.2 -0.4	
STKA	Stevens Creek	38.10	249	P	03 10 53.2 -0.4	
STKA	Stevens Creek	38.10	249	P	03 10 53.2 -0.4	

IDC 26 03:03:32.8+0.3, 24.66S, 175.70W, h0km, mb4.2/3, mb1mp4, 2/3, Error ellipse: s-maj=79.8km s-min=167.6km az=83.0, South of Tonga Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
ASAR	Alice Springs	45.78	260	P	03 11 56.4 -0.2	
ASAR	Alice Springs	45.78	260	P	03 11 56.4 -0.2	
ASAR	Alice Springs	45.78	260	P	03 11 56.4 -0.2	
ASAR	Alice Springs	45.78	260	P	03 11 56.4 -0.2	

1749

Table listing various stations with columns for call letters, power, frequency, and location. Includes entries for ESO, AVH, AVH, AVH, AVH, etc.

2018 DEC

Table listing stations for December 2018 with columns for call letters, power, frequency, and location. Includes entries for PDAR, AAK, AAK, AAK, etc.

26d 4h

Table listing stations with columns for call letters, power, frequency, and location. Includes entries for PETF, PETF, PETF, etc.

CATAC 26 04:19:06.3, 1.0, 15:03N, 92:95W, h14km, 6km, ML 4.2
SNEX 26 04:19:08.0, 1.0, 14:93N, 92:83W, h17km, 6km, ML 4.1
MEX 26 04:19:08.5, 1.2, 14:83N, 92:97W, h60km, 19km, MD 4.3

IDA 26 04:19:53.4, 2.5, 8:20S, 118:14E, h0km, mb3.3/6, mbmp3.8/5, ML3.1/3, MS3.1/1, Error ellipse: s-maj=60.0km s-min=23.1km az=75.0

DJA 26 04:19:54.8, 0.3, 8:52S, 118:07E, h10km, M3.5/9, ML3.5/9
ISC 26 04:19:57.1, 0.9, 8:23S, 0:05, 118:03E, 0.06, h35km, n13, 1871/16, Sumbawa region

PLAI Plampang 0.64 203 P Sn 04 20 08.0 -1.8
TWISI Taliwang, Sumb 1.24 246 P Pn 04 20 18.0 0.0
WBSI Waikabubak, Sumb 1.94 136 P Pn 04 20 29.6 +1.9

ASAR Alice Springs 2.61 137 P P 04 24 43.8 -0.5
HNR Honiara 41.42 95 LR LR 04 44 06.6

SONM Songoing Array 36.10 284 P P 04 17 46.4 -0.7
YKA Yellowknife Arr 49.83 347 P P 04 27 52.9 -3.5

IDA 26 04:23:00.6, 1.7, 4:44N, 127:55E, h0km, mb3.8/6, mbmp3.8/6, Error ellipse: s-maj=123.1km s-min=18.4km

DJA 26 04:23:16.0, 0.8, 4:15N, 127:55E, h130km, 6km, ML 2.9, mb4.1/4, MLV4.2/9

ASAR Alice Springs 28.57 168 P P 04 28 57.9 -0.7
MKAR Makanchi Array 57.63 324 P P 04 32 52.3 +0.7

26d 4h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h m s, ISC. Contains station data for various locations like Borovoye Array, Alice Springs, etc.

NEIC 26 04:23:59.3±0.8, 32.95N±0.03, 100.91W±0.03, h1km±8km, M_Lg2.9/79, ML3.3/6, Error ellipse: s-maj=4.8km s-min=1.2km az=137.0, Western Texas

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h m s, ISC. Contains station data for stations in the Western Texas region like Snyder 5, Snyder 07, etc.

NOU 26 04:34:44.3, 17.81S±1.77, 53W, h572km, mb4.3/23, Fiji Islands Region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h m s, ISC. Contains station data for stations in the Fiji Islands region like FUGATOGA, BASSET, etc.

2018 DEC

Main table listing seismic events with columns: MSVF, Station Name, Az, Phase ID, Time, Res, h m s, ISC, and magnitude/depth information.

1750

Table listing seismic events with columns: XLT, Station Name, Az, Phase ID, Time, Res, h m s, ISC, and magnitude/depth information.

Table listing stations: ABTA Abfaltersbach, DAVA Damuels, FETA Feichten, CIMO Cimolais, FUORN Ofenpass-Fuorn, TUE Stuetta, TOROD Torodi Ar. Bea, TORD comp=2.0, 8nm, 0.7s, baz=177, slow=3.9, SNR=6.5

IDC 26 04:50:25.6:1.0.55:38N, 164.45E, h0km, mb3.3/7, mbtm3.4/8, ML1.1/3, MS3.2/1, Error ellipse: s-maj=37.9km s-min=19.8km az=149.0

KRSC 26 04:50:27.4:1.2.55:31N, 164.45E, h59km, 25km, M4.0, ISC 26 04:50:28.0:7.55:34N, 0.05:164.48E, 0.05, h23km, n36, i=147/39, mb3.4/7, Komandorsky Islands region

Main station list for Komandorsky Islands region with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Bering, Krutoberegovo, Bezymyanni-We, Koyto, Mys Shipunski, etc.

IDC 26 04:55:44.5:1.0.55:06N, 164.22E, h0km, mb3.1/3, mbtm3.1/4, ML2.0/1, Error ellipse: s-maj=115.0km s-min=25.8km az=151.0, Komandorsky Islands region

Main station list for Komandorsky Islands region (continued) with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Petropavlovsk, Eielson Array, Kurchatov Arra, etc.

Table listing stations: BA1R 17nm,0.5s, BA1R i AML, SVE 12nm,0.5s, SVE 2.30 14 i P, SVE 24m,0.6s, SVE i S, SVE 34nm,0.5s, SVE i AML, SVE 24m,3.5s, AKTO Aktyubinsk, AKTO 0.6nm,0.6s, AKTO 3.5nm,1.1s, AB31 Akbulak array, AB31 5.37 178 i P, AB31 0.6nm,0.6s, baz=360, slow=13, AB31 2.0nm,0.7s, baz=350, slow=28, SNR=7.0

NEIC 26 05:34:44.8:1.1.54:9N, 0.3:164.9E, 0.3, h10km, 2km, mb4.2/6, Error ellipse: s-maj=46.4km s-min=18.2km az=156.0

KRSC 26 05:34:45.7:1.0.55:28N, 164.52E, h58km, 24km, M4.1, ISC 26 05:34:46.2:1.1.54:46N, 165.98E, h0km, mb3.8/12, mbtm3.8/12, MS2.8/2, Error ellipse: s-maj=30.8km s-min=18.5km az=176.0

ISC 26 05:34:49.2:0.7.55:28N, 0.04:164.56E, 0.04, h35km, n55, i=146/52, mb3.9/17, Komandorsky Islands region

Main station list for Komandorsky Islands region (continued) with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Bering, Krutoberegovo, Koyto, Mys Shipunski, etc.

Table listing stations: PMG 0.7nm, 0.3s, baz=168, slow=22, SNR=1.1, DZM comp=2.450nm, 21.2s, baz=116, slow=37, DZM 15.22 149 e LR, DZM 15.22 149 Pn, DZM 0.1nm, 0.8s, baz=294, slow=20, SNR=1.5, COEN 15.40 250 Pn, COEN 15.40 250 Pn, PATS 15.84 225 Pn, PATS 15.84 225 Pn, CTA 0.3nm, 0.3s, baz=44, slow=15, SNR=5.6

CTAO 15.84 225 Pn, EIDS 17.53 201 P, JAY 18.47 290 P, Nonsavu 21.22 116 P, MSVF 8.7nm, 0.8s, baz=132, slow=7.0, SNR=6.7, MSVF 12.0nm, 0.9s, baz=309, slow=21, SNR=4.2

ARMA 22.09 195 P, WBO 25.26 242 I Amb, WB2 25.36 242 P, WRA 25.37 242 P, WRA 25.37 242 P, WRA 25.37 242 P, WRA 25.37 242 P

WRA 25.37 242 P, WRA 25.37 242 P, WRA 25.37 242 P, WRA 25.37 242 P, WRA 25.37 242 P, WRA 25.37 242 P

MTN 26.73 259 P, MTN 26.73 259 P, AS31 27.31 235 P, ASAR 27.31 235 P, ASAR 27.31 235 P, ASAR 27.31 235 P

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1753

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like WMIGZ Waiomatatini S, OUZ Omahuta, HAZ Te Kaha, etc.

DC 26 07:20:47.1 ± 14.0, 42.51°N; 142.35°E, h0km, mb3.7/5, mbtmp3.7/5, Error ellipse: s-maj=368.7km s-min=38.2km az=168.0

JMA 26 07:20:52.3, 0.2, 42.0N, 0.8, 142.5E, 0.8, h69km, 2km, MV3.3/4.0, S OFF URAKAWA

ISC 26 07:20:52.8, 0.9, 42.03N, 0.0, 142.43E, 0.0, h64km, 2.7km, n23, c0568/41, mb3.9/5, 14D, Hokkaido region

Main station list for 1753 region, including JNBK, JSHD, JKJB, JEW, JNW, etc.

BEO 26 07:23:11.6 ± 0.8, 43.39°N; 17.15°E, h0km, ML2.0/5, VIE 26 07:23:11.1 ± 1.6, 43.35°N; 17.38°E, h8km, mb2.6/1, ml2.0/2, Error ellipse: s-maj=32.1km s-min=12.5km az=55.0

RHSSO 26 07:23:12.0 ± 0.3, 43.40°N; 17.36°E, h6km, 2km, ML2.2/1, ISC 26 07:23:11.3 ± 1.0, 43.38°N; 17.33°E, 0.02, h6km, 9km, n37, c08270, 3C, Northwestern Balkan Peninsula

Main station list for Balkan Peninsula region, including RIC, MAK, STON, etc.

2018 DEC

Table for station SOKA, MOA, and others with Az, Phase ID, Time, Res.

DC 26 07:32:35.0 ± 1.1, 27.39°N; 69.95°E, h0km, mb3.7/8, mbtmp3.7/9, ML3.2/1, MS2.4/1, Error ellipse: s-maj=31.3km s-min=23.4km az=57.0

ISC 26 07:32:40.7 ± 1.2, 27.68°N; 70.70°E, 0.2, h35km, n10, c1921/9, mb3.6/8, India-Pakistan border region

Main station list for India-Pakistan border region, including AAK, MKAR, CMAR, etc.

ASIES 26 07:33:18.7, 24.57°N; 122.74°E, h95km, ML4.4, Mw3.6, Moment Tensor Solution. Moment tensor: Scale 10^21Nm; Mn:2.04; M0:2.27; M0:0.23; M0:2.11; M0:0.81; M0:1.91;

Fault plane solution: M0:3.66589x10^21 NP1: m=126.84000°, s=71.83000°, l=105.97000°. NP2: m=264.29000°, s=24.01000°, l=150.02000°. Principal axes: T P1g60.0420°, Azm59.7710°, N P1g15.1550°, Azm301.7400°, P P1g25.1700°, Azm204.4250°

JMA 26 07:33:18.7, 0.1, 24.57°N; 122.74°E, 0.4, h95km, 1km, MV3.3/19, NW OFF ISHIGAKIJIMA IS

TAP 26 07:33:18.7, 24.57°N; 122.74°E, h95km, ML4.4, C, DC 26 07:33:21.4, 5.7, 24.79°N; 122.99°E, h129km, 60km, mb3.4/9, mbtmp3.8/10, Error ellipse: s-maj=50.2km s-min=15.6km az=63.0

ISC 26 07:33:18.0 ± 0.7, 24.54°N; 122.75°E, 0.02, h99km, 4km, n176, c1908/289, mb3.6/9, Taiwan region

Main station list for Taiwan region, including JYNG, YOY, EOS, etc.

Table for station YHNB, ZUZH, etc. with Az, Phase ID, Time, Res.

26d 7h

Main station list for Taiwan region, including YHNB, ZUZH, etc. with Az, Phase ID, Time, Res.

26d 7h

Table with columns: Code, Station Name, Az, El, P, S, and various data points for stations like JIASHIAN, TAIMALI, YIJHU, etc.

IDC 26 07:37:51.4-0.7, 37.48N-20.91E, h0km, mb4.0/17, mbmp3.9/26, ML4.0/6, MS3.5/33, Error ellipse: s-maj=14.7km s-min=12.2km az=153.0

Table with columns: Code, Station Name, Az, El, P, S, and various data points for stations like LITHAKIA, KIPSSELI, etc.

2018 DEC

Main table with columns: Code, Station Name, Az, El, P, S, and various data points for stations like ITHOMI, ANO CHORA, etc.

1754

Table with columns: Code, Station Name, Az, El, P, S, and various data points for stations like MOLDOVITA, MOLDOVA, etc.

Table with station codes (XNQ, ATGU, etc.) and names (Altiaghaj, Quba, etc.) and their respective coordinates and status.

IDC 26 07:47:23.9,3,7,53.58N,87.93E, h0km, mbtmp2.6/2, ML2.3/2, Error ellipse: s-maj=36.0km s-min=19.2km az=54.0, Southwestern Siberia

Table listing station codes (I46RU, ZALV, ZALV, ZALV, etc.) and names (ZALESOVO INFRA, Zalesovo Beam, etc.) with coordinates and status.

IDC 26 08:00:44.7,3,0,54.18N,86.48E, h0km, mbtmp2.5/2, ML2.0/2, Error ellipse: s-maj=22.8km s-min=13.1km az=64.0, Southwestern Siberia

Table listing station codes (I46RU, ZALV, ZALV, ZALV, etc.) and names (ZALESOVO INFRA, Zalesovo Beam, etc.) with coordinates and status.

IDC 26 08:01:06.5,1,7,55.08N,164.54E, h0km, mb3.6/9, mbtmp3.6/10, ML2.9/1, Error ellipse: s-maj=48.7km s-min=19.3km az=167.0

Table listing station codes (BKI, BKT, KBTR, etc.) and names (Bering, Krutoberegovo, etc.) with coordinates and status.

H1N2 WAKE ISLAND Hy 35.09 1.176 T baz=359,slow=76,SNR=15

Table listing station codes (H1N1, YKA, KURBB, etc.) and names (WAKE ISLAND Hy, Yellowknife Arr, etc.) with coordinates and status.

IDC 26 08:20:26.7,3,2,54.09N,86.73E, h0km, mbtmp2.6/2, ML2.2/2, Error ellipse: s-maj=26.3km s-min=15.4km az=61.0, Southwestern Siberia

Table listing station codes (I46RU, ZALV, ZALV, etc.) and names (ZALESOVO INFRA, Zalesovo Beam, etc.) with coordinates and status.

MOS 26 08:20:30.2,0,9,44.37N,146.71E, h150km, mb4.4/13, Error ellipse: s-maj=9.5km s-min=6.7km az=82.3

IDC 26 08:20:31.0,0,6,44.31N,146.71E, h105km, mb4.7/10, Error ellipse: s-maj=8.4km s-min=5.6km az=82.3

IDC 26 08:01:09.9,2,1,54.84N,164.70E, h0.005, h31km, 1.7km, n37, s1566/53, mb3.7/9, Komandorsky Islands region

Table listing station codes (NEM2, NMR, NMR, etc.) and names (Nemuro 2, Nemuro-Hokkai, etc.) with coordinates and status.

ASAJ Asahikawa 2.96 268 I P Sn 08 21 19.1 +1.3

Table listing station codes (ASAJ, JCH, JSE, etc.) and names (Asahikawa, Churui, etc.) with coordinates and status.

Table listing station codes (USA0B, USRK, USRK, etc.) and names (Ussuriysk Arra, etc.) with coordinates and status.

Table listing station codes (PETK, PETK, MA2A, etc.) and names (Petropavlovsk, Magadan, etc.) with coordinates and status.

Table listing station codes (BILL, BILL, BILL) and names (Bilibino, Bilibino) with coordinates and status.

Table listing station codes (H1N2, H1N1, H1N3, etc.) and names (WAKE ISLAND Hy, WAKE ISLAND Hy, etc.) with coordinates and status.

Table listing station codes (F15K, C16K, M16K, etc.) and names (North Star Dit, Lisburne Hills, etc.) with coordinates and status.

Table listing station codes (OHAK, C16T, KDKA, etc.) and names (Old Harbor, Castle Rocks, etc.) with coordinates and status.

Table listing station codes (E22K, E22K, KTH, etc.) and names (Anaktuvuk Pass, Kantissha Hill, etc.) with coordinates and status.

Table listing station codes (ZALV, ZALV, RND, etc.) and names (Zalesovo Beam, Zalesovo Beam, etc.) with coordinates and status.

Table listing station codes (E24K, E24K, C24K, etc.) and names (Your Creek, Franklin Bluff, etc.) with coordinates and status.

Table listing station codes (D25K, BCAR, EGAK, etc.) and names (Kavik River, Beaver Creek A, etc.) with coordinates and status.

Table listing station codes (WUS, WUS, BVAR, etc.) and names (Wushu, Borovoye Arra, etc.) with coordinates and status.

26d 9h

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, Azimuth Error, Elevation Error, Frequency Error, Bandwidth Error, SNR Error, Azimuth Error, Elevation Error, Frequency Error, Bandwidth Error, SNR Error.

ADC 26 09:42:54.3±2.1, 35.97N; 10.75W, h0km, mb3.7/2, mbtnp4.0/4, ML4.4/2, MS2.5/1, Error ellipse: s-maj=58.1km s-min=29.3km az=81.0

CNRM 26 09:42:59.6, 36.00N; 10.58W, h54km, ML4.2, MDD 26 09:43:00.2±0.5, 36.04N; 10.66W, h30km, mb_Lg4.1/33, Error ellipse: s-maj=4.8km s-min=3.4km az=85.0

LDG 26 09:43:00.0±0.0, 36.08N; 10.75W, h25km, ML3.8/5, Error ellipse: s-maj=10.7km s-min=2.3km az=139.0

IGIL 26 09:43:03.5, 36.07N; 10.49W, h31km, ML3.9

INMG 26 09:43:03.0±1.2, 36.09N; 10.51W, h34km, ML3.5, Error ellipse: s-maj=4.1km s-min=3.2km az=76.0

ISC 26 09:42:58.4, 1.9, 36.04N; 0.03; 10.59W; 0.05, h32km±15km, n141, c1994/206, 8C-12, Azores-Cape St. Vincent Ridge

Main table for station 26d 9h, listing station names like PSVI, PVFI, PFVI, PVFI, etc., with associated data.

2018 DEC

Main table for station 2018 DEC, listing station names like ESPR, EBAD, ZHG, etc., with associated data.

1758

Main table for station 1758, listing station names like EZAR, EPON, EVIV, etc., with associated data.

ADC 26 09:45:37.2±3.1, 54.32N; 87.18E, h0km, mbtnp3.0/2, ML2.7/2, Error ellipse: s-maj=26.0km s-min=18.1km az=57.0, Southwest Siberia

Table for station ADC 26 09:45:37.2±3.1, 54.32N; 87.18E, h0km, mbtnp3.0/2, listing station names like I46RU, ZALVO, etc., with associated data.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Bering, Krutoberegovo, Bezymyanni, etc.

IDC 26 09:57:03.9.1.5, 55.69N, 165.89E, h0km, mb3.5/5, mbtmp3.5/6, ML2.7/1, MS2.7/2, Error ellipse: s-maj=54.4km s-min=20.7km az=168.0

KRSC 26 09:57:03.6.1.1, 55.55N, 165.94E, h40km, mb1.9, mbtmp3.5/6, ML2.7/1, MS2.7/2, Error ellipse: s-maj=54.4km s-min=20.7km az=168.0

KRSC 26 09:57:03.6.1.1, 55.55N, 165.94E, h40km, mb1.9, mbtmp3.5/6, ML2.7/1, MS2.7/2, Error ellipse: s-maj=54.4km s-min=20.7km az=168.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Bering, Krutoberegovo, Bezymyanni, etc.

ASRS 26 10:04:27.0.2.1, 53.69N, 101.91E, h0km, M2.3, The earthquakes of Russia in 2018. Obninsk, GS RAS, 212 P + CD-ROM, 2020.

IDC 26 10:04:34.9.3.6, 53.53N, 90.56E, h0km, mbtmp3.1/3, ML2.7/3, Error ellipse: s-maj=32.4km s-min=24.6km az=32.0, Southern Siberia

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

IDC 26 10:18:47.8.1.2, 51.66N, 75.43E, h0km, mbtmp2.7/2, ML2.0/2, Error ellipse: s-maj=44.0km s-min=9.3km az=27.0

NNC 26 10:18:48.2.0.6, 51.70N, 75.34E, h0km, mb2.6, mpv2.2, Error ellipse: s-maj=13.7km s-min=4.1km az=21.0, Suspected Mining explosion.

IDC 26 10:18:48.1.1.0, 51.74N, 0.08E, 75.33E, h0km, n11, #1500/11, 9C-2D, Eastern Kazakhstan

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

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

KOLA 26 10:22:37.8.68.06N, 33.37E, h0km, ML2.0, Error ellipse: s-maj=2.7km s-min=1.8km az=90.0, Olenegorsk City, Mines

HEL 26 10:22:37.0.0.2, 68.07N, 33.41E, h0km, ML1.8, Explosion IDC 26 10:22:40.2.8.68.15N, 32.86E, h0km, mbtmp3.4/3, ML2.0/3, Error ellipse: s-maj=31.2km s-min=11.1km az=68.0

IDC 26 10:22:36.6.0.8, 68.07N, 0.03E, 33.32E, h0km, n35, #1547/61, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Apatity, Lovozero, Kurchatov, etc.

IDC 26 10:23:08.6.0.6, 3.33N, 97.52E, h0km, mb4.1/19, mbtmp4.1/19, MS3.2/7, Error ellipse: s-maj=28.9km s-min=13.3km az=55.0

DJA 26 10:23:13.6.0.2, 3.1N, 97.7E, h10km, M4.5/18, mb4.5/2, mb5.3/1, ML4.5/18, Mw(mb)4.7, 7.0

NEIC 26 10:23:17.0.2.7, 3.03N, 0.05E, 97.42E, h0km, h58km, 8km, mb4.4/24, Error ellipse: s-maj=8.4km s-min=7.8km az=70.0

IDC 26 10:23:16.6.0.4, 3.11N, 0.04E, 97.34E, h0km, n71, #1555/69, mb4.3/30, MS3.1/5, Northern Sumatera

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Banda Aceh, Mandailing Nat, etc.

KBL Kabul, 40.87 323 P P 10 30 53.6 +0.5

TARG Taragay, Kyrgy, 42.25 338 P P 10 31 05.0 +0.5

WRA Warranguna Arr, 42.95 124 P P 10 31 09.6 -0.5

WRAB Tennant Creek, 42.96 124 P P 10 31 09.7 -0.3

WRAB Warranguna Arr, 42.96 124 P P 10 31 10.0 -0.2

WRB Warranguna Arr, 42.95 124 P P 10 31 10.2

WRB Warranguna Arr, 42.95 124 P P 10 31 10.2

WRB Warranguna Arr, 42.95 124 P P 10 31 10.2

WRB Warranguna Arr, 42.95 124 P P 10 31 10.2

WRB Warranguna Arr, 42.95 124 P P 10 31 10.2

WRB Warranguna Arr, 42.95 124 P P 10 31 10.2

WRB Warranguna Arr, 42.95 124 P P 10 31 10.2

WRB Warranguna Arr, 42.95 124 P P 10 31 10.2

WRB Warranguna Arr, 42.95 124 P P 10 31 10.2

WRB Warranguna Arr, 42.95 124 P P 10 31 10.2

WRB Warranguna Arr, 42.95 124 P P 10 31 10.2

WRB Warranguna Arr, 42.95 124 P P 10 31 10.2

WRB Warranguna Arr, 42.95 124 P P 10 31 10.2

WRB Warranguna Arr, 42.95 124 P P 10 31 10.2

WRB Warranguna Arr, 42.95 124 P P 10 31 10.2

WRB Warranguna Arr, 42.95 124 P P 10 31 10.2

WRB Warranguna Arr, 42.95 124 P P 10 31 10.2

WRB Warranguna Arr, 42.95 124 P P 10 31 10.2

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WRB Warranguna Arr, 42.95 124 P P 10 31 10.2

WRB Warranguna Arr, 42.95 124 P P 10 31 10.2

WRB Warranguna Arr, 42.95 124 P P 10 31 10.2

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WRB Warranguna Arr, 42.95 124 P P 10 31 10.2

WRB Warranguna Arr, 42.95 124 P P 10 31 10.2

WRB Warranguna Arr, 42.95 124 P P 10 31 10.2

WRB Warranguna Arr, 42.95 124 P P 10 31 10.2

TEH 26 10:30:22.8.34.36N, 45.68E, h15km, 2.7km, ML2.7, ISN 26 10:30:22.9.6.34.38N, 45.68E, h14km, 4km, ML3.0

ISN 26 10:30:22.6.1.2, 34.38N, 0.04E, 45.70E, h0km, 14km, n10, #124/14, Iran-Iraq border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Ghaz-e-Sharib, Dehras, etc.

26d 11h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like RAFI, BRLS, KK31, etc.

NEIC 26 10:46:01.0-0.8, 36:112N, 0:006:97.87W, 0.01, h5km, 4km, mb_Lg1.9/5, ML2.0/49, ML2.5/26, Error ellipse: s-maj=1.5km s-min=0.5km az=124.0

NEIC 26 10:46:01.0-0.6, 36:104N, 0:007:97.87W, 0.01, h5km, 1km, Error ellipse: s-maj=2.9km s-min=1.8km az=257.0, Oklahoma

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like CROK, OK029, OK004, etc.

IDC 26 10:52:04.7-2.9, 28:63N, 127:51E, h0km, mb3.8/5, mbmp3.8/5, Error ellipse: s-maj=179.1km s-min=20.0km az=99.0

JMA 26 10:52:29.7-0.2, 28:1N, 127:8E, h185km, 4km, MV4.0/35, NWY OF AMAMI OSHIMA IS

ISC 26 10:52:28.1-0.9, 28:45N, 105:127:69E, 0.07, h20km, 7km, n26, <0.93/43, mb3.6/6, Northwest of Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JTK, JAMN, etc.

2018 DEC

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JOKE, JIH, JTAJ, etc.

NCC 26 11:05:30.3-7.7, 38:74N, 72:70E, h246km, 64km, mb2.2, mpv3.1, 5C-2D, Error ellipse: s-maj=80.0km s-min=39.8km az=11.0, Tajikistan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KK31, KK31, TKM2, etc.

IDC 26 11:05:27.1-1.1, 36:87N, 72:09E, h0km, mb3.8/8, mbmp3.7/14, ML3.1/6, MS3.1/3, Error ellipse: s-maj=22.6km s-min=17.6km az=83.0

ISC 26 11:05:44.1-1.1, 37:4N, 0:1x72:2E, 0.1, h142km, n16, <3.03/15, mb3.3/8, Tajikistan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like AAK, MKAR, KURBB, etc.

ROM 26 11:17:08.0-0.0, 37:75N, 15:13E, h5km, ML2.5, Sicily

ROM 26 11:17:55.0-0.0, 37:75N, 15:13E, h6km, ML1.8, Sicily

SOME 26 11:18:11.4, 39:38N, 74:73E, h10km, NCC 26 11:18:13.5, 1.6, 39:46N, 74:68E, h0km, mb3.6, mpv3.2, Error ellipse: s-maj=30.6km s-min=10.8km az=108.0

KRNET 26 11:18:25.7-0.1, 39:54N, 74:99E, h15km, mb2.5, ISC 26 11:18:28.8-1.7, 39:34N, 0:08:74:99E, 0:05, h10km, n22, <1.88/33, 14C-8D, Southern Xinjiang

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SFK, SFK, SALK, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like AML, BOOM, MNAS, etc.

AEIC 26 11:26:07.3-1.7, 61:38N, 0:03:150:09W, 0:05, h20km, 7km, Error ellipse: s-maj=4.0km s-min=3.6km az=154.0

NEIC 26 11:26:07.8-1.2, 61:40N, 0:04:149:99W, 0:07, h43km, 5km, ML3.1/11, ML3.1(AEIC), Error ellipse: s-maj=5.8km s-min=4.8km az=147.0, Southern Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like FIS, RC01, M22K, etc.

2018 DEC

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like Sparrevohn, Kilae Creek, Kottuk Hills, 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 Juan Fernandez, Cape Leeuwin, 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 Tongmen, Yanliu Villag, Hualien, 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 Juan Fernandez, Cape Leeuwin, 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 Chishang, Illan, Zhanghua, 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 Zalesovo Beam, Makanehi Array, etc.

26d 12h

KRSC 26 12:07:12.71.6, 54°30'N, 164°30'E, h60km, 29km, ML3.7, Komandorsky Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Bering, Krutoberegovo, Bezymyannyi-Pe, etc.

IDC 26 12:12:49.3:1.8, 6.43S:129.56E, h0km, mb3.4/2, mbmp3.5/5, ML3.2/3, MS3.2/1, Error ellipse: s-maj=81.6km s-min=25.9km az=77.0

ISC 26 12:13:04.5:0.9, 6.90S:129.6E:0.1, h150km, n15, c1933/15, Banda Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Saumlaki, Fak Fak, Darwin Rock St, etc.

SJA 26 12:15:05.7:0.7, 23°06'S:66°46'W, h243km, 7km, ML3.7, MW3.6

GUC 26 12:15:06.7:0.5, 23°03'S:66°33'W, h281km, 12km, ML3.9

ISC 26 12:15:05.9:2.0, 23.09S:0.04:66.48W:0.05, h235km:16km, n29, c193151, 3C-1D, Jujuy Province

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Salta, Yavi, San Pedro de A Zapla, etc.

Table with columns: TA01, Station Name, Azimuth, Phase ID, Time, Res. Includes Diego Aracena.

IDC 26 12:22:19.3:0.5, 8°25'S:116°73'E, h0km, mb4.3/17, mbmp4.3/19, ML4.0/2, MS3.3/16, Error ellipse: s-maj=16.8km s-min=10.6km az=65.0

DJA 26 12:22:22.0:2.8, S:2.1°11'7"E, h10km, M4.8/23, mB5.3/6, mB5.0/10, MLv4.8/23, Mw(mB)4.8/6

NEIC 26 12:22:23.6:1.1, 8°33'S:108°116'75E:0.06, h23km, 1km, mb4.7/27, Error ellipse: s-maj=11.8km s-min=8.7km az=187.0

ISC 26 12:22:21.6:1.8, 8°32'S:116°81'E:0.04, h11km, 11km, n106, c1947/110, mb4.6/35, MS3.3/14, 2D, Sumbawa

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes Tailwang, Sumb, Plampang, etc.

BKSI Bukkumba, GRJI Gresik, MMRI Maumere, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes Maumere, Pacitan, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes Wanaagama, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes Karang Pucung, Cimerak, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes Marble Bar, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes Meekehatharra, Warramunga Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes Warramunga Arr, Warramunga Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes Warramunga Arr, Warramunga Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes Kellerberrin, Kambalda, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes Port Moresby, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes Chiang Mai Arr, etc.

Table with columns: TOO, PALK, NJ2, etc. Includes Toolangi, Pallekele, Nanjing.

Table with columns: SHL, HNR, TIA, etc. Includes Shionlong, Honiara, Tainan.

Table with columns: HNS, HNS, LZH, etc. Includes HongShan, Lanzhou.

Table with columns: KSRS, KSRS, BJT, etc. Includes Baifu, Baitiatu, Majuro.

Table with columns: HHC, HHC, DZM, etc. Includes Hu-ho-hao, Mont Dzumac, Gaotai.

Table with columns: JMM, USKR, etc. Includes Marumori, Ussuriysk Ar.

Table with columns: GAR, KURB, etc. Includes Garm, Kurchatov Arr.

Table with columns: ZAAO, ZAAO, ZALV, etc. Includes Zalesovo Array, Zalesovo Beam.

Table with columns: BVAR, BVAR, etc. Includes Borovoye Array, Borovoye.

Table with columns: VVDA, VVDA, etc. Includes Vanda, Vanda.

Table with columns: BKAR, BKAR, etc. Includes Abkulaq array, Kilima Mbogo.

Table with columns: GSPA, GSPA, etc. Includes South Pole Qai, Sanae.

Table with columns: BOSB, BOSB, etc. Includes Boshof.

Table with columns: SNAI, SNAI, etc. Includes Snae.

Table with columns: BELA, BELA, etc. Includes Belgrano 2.

Table with columns: TORD, NVAR, etc. Includes Torodi Arr, Minn Array.

Table with columns: TXAR, CPUP, etc. Includes Lajitas Array, Villa Florida.

Table with columns: ROM 26 12:59:55.0:0.0, 37.74N:15.11E, h6km, ML2.3, Sicily

Table with columns: ROM 26 13:00:14.0:0.0, 37.74N:15.11E, h6km, ML2.1, Sicily

OSPL 26 13:00:23.2:2.9, 19°37'N:67°61'W, h1km, 16km, ML3.3

NEIC 26 13:00:24.5:1.0, 19°27'N:67°66'W:0.04, h11km, 5km, ML3.3/30, MD3.0/18(RSPR), Error ellipse: s-maj=5.2km s-min=3.8km az=92.0

SDD 26 13:00:25.5:3.2, 19°37'N:67°59'W, h31km, 146km, MD3.4, ML3.3, MW3.6

RSPR 26 13:00:26.9, 19°27'N:67°68'W, h68km, 11km, MD3.0/18

ISC 26 13:00:24.0:1.4, 19.27N:0.05:67.61W:0.02, h9km, 9km, n176, c0959/99, 18C-11D, Mona Passage

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes Isla Desecheo, Isla Desecheo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like Punta Cana, DR, Puerto Rico Se, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like AML Almayashu, UCH Uchtor, EKS2 Erkin-Say, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like PAWZ Paruwai Farm, PAWZ PAWZ, DUWZ D'Urville Isla, etc.

DC 26 13:15:38.7, 8.7, 36.70N, 71.51E, h104km, 66km, mb3.3/4, mbmp3.7/9, ML3.4/5, Error ellipse: s-maj=67.8km, s-min=25.1km az=37.0

NDC 26 13:15:43.0, 8.2, 37.14N, 71.39E, h119km, 148km, mb3.5, mpy4.2, Error ellipse: s-maj=64.4km, s-min=47.4km, az=14.0

DJA 26 13:34:37.0, 0.8, 6.12N, 121.66E, h131km, 6km, M4.7/16, mb4.9/12, mB5.0/4, MLV4.7/16, MW1.6/16, Error ellipse: s-maj=31.8km, s-min=11.9km, az=70.0

26 Dec 13h

Table listing astronomical objects like Nakatsue, GSI, CMAR, etc., with columns for Name, RA, Dec, Magnitude, etc.

Table with columns Code, Station Name, AZ, Phase ID, Time, Res, etc.

2018 DEC

Table listing astronomical objects like Chichi jima, Chichijima, Haha-jima-NKT2, etc., with columns for Name, RA, Dec, Magnitude, etc.

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Table listing astronomical objects like Ungalikthuk R, Elm, Anvik River, etc., with columns for Name, RA, Dec, Magnitude, etc.

NIED 26 13:57:46.9, 29:16N, 139:64E, h451km, MW4.2, Moment Tensor Solution...
JMA 26 13:57:46.9, 0.3, 29:2N, 1:0, 14:0E, h451km, 4km, MV4.3/23, NEAR TORISHIMA ISL
IDC 26 13:57:48.5, 1.4, 29:17N, 139:28E, h438km, 15km, mb3.3/18, mbtmp4.2/24, Error ellipse: s-maj=14.2km s-min=7.6km az=91.0
NEIC 26 13:57:49.1, 1.4, 29:18N, 1:10, 139:3E, 0.1, h437km, 2gkm, mb4.2/56, Error ellipse: s-maj=16.7km s-min=13.7km az=108.0
ISC 26 13:57:47.5, 0.4, 29:16N, 1:05, 139:32E, 0.07, h423km, n277, s127/285, mb4.1/50, 1C-1D, Southeast of Honshu

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Type, and other parameters. Includes stations like H22K, G22K, E22K, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Type, and other parameters. Includes stations like H22K, G22K, E22K, etc.

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 AFI, AFI, AFI, etc.

Table with columns: Call Sign, Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like KARZ Kaharoa, TOZ Taharoa Road, MKRZ Makaiti, etc.

Table with columns: Call Sign, Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like CAN Canberra, CAN Canberra, CAN Canberra, etc.

Table with columns: Call Sign, Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like GENI Genyem, OOD Oodnadatta, BBOO Bucklebo, etc.

26d 14h

Table with 4 columns: Station ID, Name, Altitude, and Coordinates. Includes stations like N19K, N19K Bonanza Creek, HP1G, M17K, M17K, M17K, etc.

2018 DEC

Table with 4 columns: Station ID, Name, Altitude, and Coordinates. Includes stations like Y22D, IRIS PASCALI, SCM, SHEEP CREEK MO, R31K, etc.

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Table with 4 columns: Station ID, Name, Altitude, and Coordinates. Includes stations like YUK4, Talbot Arm, P32M, Atlin, etc.

1769 2018 DEC 26d 14h

Table with columns: ID, Name, Value, Unit, Type, Date, Time, and other metrics. Includes rows like Q24A Divide, M31M Drury Creek, F20K Avara Lake, etc.

Table with columns: ID, Name, Value, Unit, Type, Date, Time, and other metrics. Includes rows like H29M Whitestone, 435B Jarrell, TOLK Toolik Lake, etc.

Table with columns: ID, Name, Value, Unit, Type, Date, Time, and other metrics. Includes rows like TROLL Troll, Antarti, TROLL Troll, MTO2 Curacav, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Suao, Dajia District, Sanyi, Nioudou, Yeheng, Sanguang, Wufeng Townshi, Neicheng, Miaoli, Nanjuang, Emei, Fushanzhiwuyua, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations from TRN (Trinidad) to ANWB (Willy Bob).

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like YAK (Yakutsk), YAK (Yakutsk), YAK (Yakutsk), etc.

ISC 26 15:03:33.4.2.1.7.31S.129.72E, h0km, mb3.5/1, mbtm3.5/4, ML3.7/3, Error ellipse: s-maj=83.4km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like FITZ (Fitzroy Crossi), WRA (Warramunga Arr), ASAR (Alice Springs), MKAR (Makanchi Array), etc.

ISC 26 15:38:29.0.1.3.38.37N.142.55E, h0km, mb3.6/3, mbtm3.6/5, ML3.1/2, MS2.4/1, Error ellipse: s-maj=44.3km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like JIKH (Ishinomakiboku), JIO (Ouri), JKM (Kesennumamotoy), etc.

ISC 26 15:53:27.4.3.6.34.01N.141.52E, h0km, mb3.2/2, mbtm3.1/3, ML2.0/1, MS2.5/1, Error ellipse: s-maj=102.9km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like BS01 (Boso 1), BS04 (Boso 4), JMYK (Miyake Tsubota), etc.

ISC 26 16:03:28.4.0.7.55.46N.164.26E, h0km, mb3.9/21, mbtm3.4/24, ML4.3/2, MS2.3/8, Error ellipse: s-maj=18.6km

ISC 26 16:03:29.2.1.1.55.31N.164.44E, h64km, mb3.5/1, mbtm3.4/9, Error ellipse: s-maj=23.1km

ISC 26 16:03:30.0.4.55.38N.160.05E, h22km, mb4.0/9, Error ellipse: s-maj=7.3km

ISC 26 16:03:30.0.4.55.38N.160.05E, h22km, mb4.0/9, Error ellipse: s-maj=7.3km

ISC 26 16:03:30.0.4.55.38N.160.05E, h22km, mb4.0/9, Error ellipse: s-maj=7.3km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations from BKI (Bering) to YAK (Yakutsk).

ISC 26 16:03:30.0.4.55.38N.160.05E, h22km, mb4.0/9, Error ellipse: s-maj=7.3km

ISC 26 16:03:30.0.4.55.38N.160.05E, h22km, mb4.0/9, Error ellipse: s-maj=7.3km

ISC 26 16:03:30.0.4.55.38N.160.05E, h22km, mb4.0/9, Error ellipse: s-maj=7.3km

ISC 26 16:03:30.0.4.55.38N.160.05E, h22km, mb4.0/9, Error ellipse: s-maj=7.3km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations from B21K (Ikpiquip River) to YAK (Yakutsk).

FUNV 26 15:57:20.5, 10.92N.62.04W, h15km, MW4.0, TRN 26 15:57:21.4, 11.01N.62.04W, h102km, MD3.9, North of the Panama peninsula. Felt in Trinidad, MMI IV

ISC 26 15:57:19.0.1.4.10.95N.0.04.62.07W.0.05, n119km, 1.4km, n19, n150/34, 3C-3D, Near coast of

ISC 26 16:03:30.0.4.55.38N.160.05E, h22km, mb4.0/9, Error ellipse: s-maj=7.3km

ISC 26 16:03:30.0.4.55.38N.160.05E, h22km, mb4.0/9, Error ellipse: s-maj=7.3km

26d 16h

Table with columns for station code, name, time, and various status indicators (P, Pmax, I, S, etc.). Includes stations like Ninganchiao, Suangliang, Ta-pu, Baotou, WAKE ISLAND, Lanzhou, Chengdu, and Gaotai.

2018 DEC

Table with columns for station code, name, time, and various status indicators. Includes stations like Davao City, Kunming, Unalaska Valle, Kuka Creek, Zalesovo Beam, and various other locations.

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Table with columns for station code, name, time, and various status indicators. Includes stations like Granite Mouna, Nishilik Lake, Chiang Mai, VABM Dome, Nushagak River, and various other locations.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details. Includes stations like E23K Chandalar, I23K Minto, TOLK Toolik Lake, etc.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details. Includes stations like I30M Mount Dempster, DZA Taraz, INK Inuvik, etc.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details. Includes stations like KIV Kislovodsk, KIV Kislovodsk, KIV Kislovodsk, etc.

26d 17h

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like PRU Pruhonice, SRO Srobarova, SRO Srobarova, etc.

Code Station Name Az Az' Op Phase ID ISC Time Res h m s ISC
BAKI Biak 1.16 261 P Pn 17 03 02.4 -0.6
BAKI 17 03 20.1 +1.3

2018 DEC

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

Code Station Name Az Az' Op Phase ID ISC Time Res h m s ISC
BKI Bering 1.22 57 eP Op 17 04 38.0 -1.1
BKI 17 04 38.1 -1.7

1776

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like AVH Avacha, AVH Arik, AVH Koryaka, etc.

GLI 26 17:05:04.8-0.4,36:475N,0:003:35:476E,0:001,h1km, MWSZ.8,confirmed

ISK 26 17:05:04.7,36:464N-35:75E,h1km,ML2,9/23
AFAD 26 17:05:05.0,0.0,36:45N-35:73E,h21km,2km,ML2,9
ISC 26 17:05:05.2,1.1,36:48N,0:002:35:72E,0:02,h2km,10km, n75,c074/95,Turkey

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like AVH Avacha, AVH Arik, AVH Koryaka, etc.

Table with columns: MMLI, Mount Malkishu, 4.04 184, P, Pn, 17 06 07.8 -0.2, etc.

IDC 26 17:39:01.8:2.1, 7.29S:129.31E, h0km, mb3.5/1, mbtmp3.5/4, ML3.5/3, Error ellipse: s-maj=84.1km s-min=28.2km az=76.0, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

IDC 26 17:47:57.8:1.0, 15.04N:120.28E, h0km, mb3.6/5, mbtmp3.6/5, Error ellipse: s-maj=57.5km s-min=10.6km az=55.0

IDC 26 17:48:02.8:1.1, 14.9N:02:120.3E:0.3, h43km, n6, r1503/6, mb3.8/4, Luzon

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

ROM 26 17:48:09.8:0.3, 38.64N:02:14.81E:0.02, h264km, 2km, ML3.5/41, Error ellipse: s-maj=2.6km s-min=1.5km az=139.0

IDC 26 17:48:11.7:1.2, 38.72N:14.56E, h270km, 18km, mb3.1/9, mbtmp3.7/15, Error ellipse: s-maj=25.0km s-min=18.2km az=42.0

IDC 26 17:48:10.6:0.8, 38.66N:08:14.76E:0.06, h257km, 7km, n79, r1503/94, mb3.5/8, Sicily

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

Main table with columns: RESU, EPOZ, ALJIA, ALJIA, ALJIA, etc.

Table with columns: az=68.0, Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

26d 19h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ESO Esso, NLC Nalytchevo, BRX Arik, etc.

IDC 26 18:45:11.9:7.3, 49.035x104.91E, h0km, mb3.7/4, mbtm3.7/4, MS3.3/14, Error ellipse: s-maj=195.9km s-min=32.9km az=108.0, Southeast Indian Ridge

Main station list for IDC 26 18:45:11.9:7.3, 49.035x104.91E. Includes stations like H01W2 Cape Leeuwin H, H01W1 Cape Leeuwin H, H01W3 Cape Leeuwin H, etc.

IDC 26 18:47:28.3:3.4, 1.08N-92.66E, h0km, mb3.3/4, mbtm3.2/5, MS2.7/1, Error ellipse: s-maj=107.5km s-min=26.2km az=65.0

Main station list for IDC 26 18:47:28.3:3.4, 1.08N-92.66E. Includes stations like SNI Sinabang, Aceh; MLI Meulaboh, Aceh; GSI Gunungsitoli; etc.

UPA 26 18:50:24.0:1.1, 7.28N-80.27W, h6km, 4km, MW3.6, Panama

Main station list for UPA 26 18:50:24.0:1.1, 7.28N-80.27W. Includes stations like ACHO3 Achotines, Los; TOSI3 Tonosi; AZU Azuero; etc.

2018 DEC

Main station list for 2018 DEC. Includes stations like RLMT Red Lodge; BRIGG Briggsdale; PD31 Pinedale Array; etc.

1778

Station list for 1778. Includes stations like SLWF Sugar Loaf; TBM Table Mountain; MWB Mount Baker; etc.

IDC 26 19:31:04.5:54.0, 19.73S-178.04W, h0km, mb3.6/3, mbtm3.6/3, MS2.7/2, Error ellipse: s-maj=981.0km s-min=162.0km az=82.0, Fiji Islands region

Main station list for IDC 26 19:31:04.5:54.0, 19.73S-178.04W. Includes stations like MSVF Nonavau; RAR Raratonga; STKA Stephens Creek; etc.

IDC 26 19:32:43.9:9.6, 14.75S-174.51W, h0km, mb3.5/3, mbtm3.5/3, MS3.1/1, Error ellipse: s-maj=429.2km s-min=37.8km az=139.0, Samoa Islands region

Main station list for IDC 26 19:32:43.9:9.6, 14.75S-174.51W. Includes stations like DZM Motu Dzumac; WRA Warrungarra Arr; ASAR Alice Springs; etc.

ASRS 26 19:37:58.3:0.3, 48.12N x 8.3E, h8km, MLh3.0/9, Error ellipse: s-maj=5.3km s-min=2.5km az=126.6, confirmed

SOME 26 19:38:01.6, 47.52N-82.20E, h0km, NNC 26 19:38:01.0, 1.3, 47.49N-82.70E, h19km, 28km, mb3.3, mp2.8, Error ellipse: s-maj=9.1km s-min=6.5km az=48.0

ISC 26 19:38:01.6:1.3, 47.49N-82.70E, h19km, 28km, mb3.3, mp2.8, Error ellipse: s-maj=9.1km s-min=6.5km az=48.0

Main station list for ISC 26 19:38:01.6:1.3, 47.49N-82.70E. Includes stations like MK31 Makanchi Array; MKAR Makanchi Array; MAKZ Makanchi Array; etc.

IDC 26 19:49:59.3:7.3, 51.22N-158.94E, h65km, 49km, mb3.0/3, mbtm3.3/4, ML2.3/1, Error ellipse: s-maj=67.2km s-min=52.7km az=80.0

Main station list for IDC 26 19:49:59.3:7.3, 51.22N-158.94E. Includes stations like KRSC 26 19:49:59.5:1.9, 51.20N-158.38E-0.09, h48km, 15km, n26, c1922/32, mb3.5/3, Near east coast of Kamchatka Peninsula

26d 21h

Table with columns: Code, Station Name, Azimuth, Elevation, Time, Residual. Includes stations like WRAB Tennant Creek, WRA Warramunga Arr, AS31 Alice Springs, etc.

ISN 26.20:24.07.9.0.3, 34.73N, 45.70E, h14km, 18km, ML2.7
TEH 26.20:24.08.5, 34.73N, 45.67E, h7km, 162km, ML2.8
ISC 26.20:24.09.1.1.1, 34.71N, 0.05, 45.67E, h18km, n9,

Table with columns: Code, Station Name, Azimuth, Elevation, Time, Residual. Includes stations like KGS1 Ghasr-e-Shirin, IDHR Dehrah, GLG1 Gilan-e-Gharb, etc.

OMAN 26.20:34.56.0.1.2, 26.98N, 53.21E, h11km, 13km, mb3.8/2,
m2.6/15, Error ellipse: s-maj=14.3km s-min=3.6km
az=174.0, Southern Iran

Table with columns: Code, Station Name, Azimuth, Elevation, Time, Residual. Includes stations like JRN Qarnain Island, SHMA Al-Shehemyia, SAKB Bahrain, etc.

IDC 26.21:04.28.9.2.9, 3.58S, 138.87E, h84km, 32km, mb3.1/4,
mbtmp3.6/7, MS2.6/1, Error ellipse: s-maj=36.5km
s-min=13.8km az=106.0

DJA 26.21:04.29.2.0.4, 3.53S, 139.9E, h66km, 9km, M4.4/10,
mb4.6/3, MLV4.3/10

ISC 26.21:04.28.0.1.0, 3.52S, 0.07, 138.72E, 0.04, h81km, 12km,
n16, c=2636/23, mb3.3/3, Irian Jaya

Table with columns: Code, Station Name, Azimuth, Elevation, Time, Residual. Includes stations like SMP1 Sarmi, GEN1 Geniem, JAY1 Jayapura, etc.

2018 DEC

Table with columns: Code, Station Name, Azimuth, Elevation, Time, Residual. Includes stations like MKAR Makanchi Array, BVAR Borovoye Array, ILAR Eielson Array, etc.

GUC 26.21:19.15.3.0.4, 27.38S, 70.11W, h85km, 2km, ML2.7
SJA 26.21:19.16.0.2, 27.36S, 70.31W, h72km, ML2.8
ISC 26.21:19.17.0.1.5, 27.38S, 0.04, 70.3W, 0.1, h85km, 9km, n17,

c=992/20, 1C, Near coast of northern Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Time, Residual. Includes stations like AC06 Mina Casimiro, GO03 Copiapo, GO03 Copiapo, etc.

SOME 26.21:27.48.9, 42.82N, 72.53E, h5km
KRNET 26.21:27.48.0.0.1, 42.70N, 72.41E, h24km, mb3.4
NMC 26.21:27.48.6.0.3, 42.89N, 72.42E, h0km, mb3.9, mpv3.7,

Error ellipse: s-maj=5.7km s-min=1.7km az=0.0
KNET 26.21:27.49.2.0.9, 42.72N, 72.54E, h19km, 5km, ml3.1, Error
ellipse: s-maj=5.4km s-min=3.8km az=94.0

ISC 26.21:27.49.2.0.9, 42.69N, 0.02, 72.46E, 0.02, h12km, 7km,
n95, c=204/165, 49C-47D, Kyrgyzstan

Table with columns: Code, Station Name, Azimuth, Elevation, Time, Residual. Includes stations like MNAS Manas, MRKS Merke, MRKS Merke, etc.

1780

Table with columns: Code, Station Name, Azimuth, Elevation, Time, Residual. Includes stations like SALK Salom-Alik, CHM Chiment, CHM Chiment, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like TDK Taldyqorghan, SHLS Shalkode, and others.

NEIC 26 21:34:28.8±1.4, 14:53S:0°08'76.1W:0.1, h43km, 11km, mb4.0/4, Error ellipse: s-maj=17.9km s-min=10.1km az=68.0

IDC 26 21:34:37.2±9.4, 14:48S:75.44W, h109km, 69km, mb3.6/2, mbtmp3.9/3, ML3.7/1, MS2.5/1, Error ellipse: s-maj=89.3km s-min=43.8km az=99.0

ISC 26 21:34:27.4±1.0, 14:56S:0°08'76.1W:0.1, h29km, n22, ±125/23, Near coast of Peru

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like NNA Nana, TA02 Hualquiye, and others.

IDC 26 21:49:51.9±0.7, 54:61N:164.42E, h0km, mb4.1/24, mbtmp4.2/26, ML5.0/1, MS3.2/18, Error ellipse: s-maj=19.0km s-min=14.0km az=142.0

KRSC 26 21:49:51.8±1.6, 54:47N:164.31E, h47km, 34km, ML4.3 NEIC 26 21:49:53.9±1.2, 54:6N:0.1:164.3E:0.2, h10km, 2km, mb4.5/48, Error ellipse: s-maj=23.9km s-min=16.5km az=152.0

MOS 26 21:49:56.8±1.7, 54:57N:164.07E, h50km, mb4.6/16, Error ellipse: s-maj=7.0km s-min=5.5km az=98.8

ISC 26 21:49:52.6±2.2, 54:52N:0°04'164.42E:0.05, h8km, 14km, n184, ±160/210, mb4.4/66, MS3.4/14, 8C, Komandorsky Islands region

Main table with columns: Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like KMNRR Kamenistaya, RUS Russkaya, and others.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like D24K Happy Valley, F24K Squaw Lake, and others.

Table with columns for station code, name, frequency, and other technical details. Includes stations like NV11, KDAD, USRK, X16A, LLO2, NJ2, ELIB, ELK, QIZ, QZ, TROLL, SNA, SNA, SNA, VNA, PLCA, N19K, BBB, VNA, VNA, TXAR, CN2, CN2, BNK, BNK, ANMO, ANMO, ANMO, KULM, MA2, TIA, TIA, RPSI, RPSI, PSI, PSI, CMIG, NEW, PDAR, PDAR, HNS, HNS, HNS, LYN, LYN, LYN, LYN, ENH, G19K, G19K, ILAR, IMAR, F20K, B1LL, B1LL, XAN, XAN, XAN, XAN, NNA, PHRA, PHRA, ATAH, ATAH, KMI, KMI, KMI, BMAR, HHC, HHC, HHC, HHC, CM31, CMAR.

Table with columns for station code, name, frequency, and other technical details. Includes stations like CMAR, JTS, CHTO, CHTO, PZH, PZH, CD2, CD2, YAK, YAK, LPAZ, ZALV, MKAR, KURK, KURB, BVAR, BRVK, ARTI, ARTI, ARTI, FINES, OBN, OBN, KIV, KIV, KIV, MNK, MNK, MNK, MNK, MARD, SUW, SUW, SUW, AKASG, AKAB, AK01, KIEV, KIEV, KIEV, AK22, AK21, AK09, MI28, EKA, RNPPE, RNPPE, RNPPE, SIM, LUBAR, LUBAR, LUBAR, SORM, SORM, KMPD, MOR, MOR, MOR, KSW, OJC, OJC, OJC, BRTR, BURAR, KIRS, STHS, STHS, STHS, CRR, CRR, CRR, CRR, CRR, OSTS, OSTS, OSTS, DPC, DPC, DPC, BRG, BRG, BRG, BRG, BRG, HARR, HARR, HARR, HARR, HARR, LANS, LANS, LANS, MORC, MORC, MORC, DOPR, VRAC, VYHS, VYHS, VYHS, DRGR, JAVC, KRUC, ARR, MODS, MODS, MODS, KHC, KHC, KHC.

Table with columns for station code, name, frequency, and other technical details. Includes stations like KHC, CKRC, CKRC, CKRC, CONA, RONA, MOA, BIOA, LESA, SOKA, RETA, WATA, WTTA, MOTA, OBKA, SQTA, ABTA, ESDC, TORD, TORD, TORD, IDC, NEIC, KRSC, MOS, ISC, Code, Station Name, Az, El, Op, Phase, ISC, Time, Res. Includes technical notes like 'Error ellipse: s-maj=29.3km s-min=16.5km' and 'h0km, mb3.8/18'.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various other parameters. Includes stations like CNBA, F19K, E19K, etc.

NEIC 26.23:40:25.8, 1.0, 61.39N, 0.03:150.01W, 0.03, h48km, 8km, Error ellipse: s-maj=5.2km s-min=1.2km az=156.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various other parameters. Includes stations like FIS, F01, R01, etc.

WEL 26.23:49:30.3, 1.3, 37.7S, 10.178E, 1.2, h246km, 10km, M2, 9.7, MLV2, 9.7, Error ellipse: s-maj=15.8km

Table with columns: URZ, URZ, URZ, etc. Station names and parameters.

NOU 26:23:50.08, 36.78S, 178.31E, h75km, ML3.4/10, Off E. Coast of N. Island, N.Z., Off east coast of North Island

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various other parameters. Includes stations like MXZ, URZ, etc.

IDC 27:00:05:27.6, 1.7, 55.00N, 164.52E, h0km, mb3.4/6, mbmp3.4/7, ML2.7/1, Error ellipse: s-maj=59.0km

KRSC 27:00:05:28.3, 0.9, 54.84N, 164.62E, h48km, 26km, ML3.8

ISC 27:00:05:31.0, 0.7, 54.92N, 164.64E, 0.06, h27km, n33, i127/31, mb3.4/6, Komandorsky Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various other parameters. Includes stations like BKI, BKT, etc.

IDC 27:00:07:33.2, 319.0, 37.87N, 16.08E, h0km, error ellipse: s-maj=148.9km s-min=116.1km az=92.0

ROM 27:00:07:59.0, 0.0, 37.68N, 15.08E, h2km, ML1.8, Sicily

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various other parameters. Includes stations like MTR, GRY, etc.

IDC 27:00:08:46.8, 0.9, 22.18S, 169.49E, h0km, mb3.9/7, mbmp3.8/8, ML3.1/1, MS3.6/2, Error ellipse: s-maj=34.9km

NOU 27:00:07:47.4, 22.09S, 169.52E, h0km, MLV3.8/6, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various other parameters. Includes stations like H48T, I26E, etc.

IDC 27:00:08:46.8, 0.9, 22.18S, 169.49E, h0km, mb3.9/7, mbmp3.8/8, ML3.1/1, MS3.6/2, Error ellipse: s-maj=34.9km

NOU 27:00:07:47.4, 22.09S, 169.52E, h0km, MLV3.8/6, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various other parameters. Includes stations like MARNC, YATNC, etc.

27d Oh

1.7m, 0.8s, baz=9.6, slow=3.7, SNR=5.0
GERES GERES Array B 147.09.300 PKPbc PKPbc 00 28 32.0 +0.6

UPP 27 00:28:41.0.0.0, 67.85N:20.21E, h0km, ML2.5, Unknown
HEL 27 00:28:41.4.0.1, 67.84N:20.17E, h0km, ML1.7, Suspected explosion

ISC 27 00:28:41.5.0.9, 67.83N:0.02:20.25E:0.03, h0km, n29,
a1906/47, Sweden

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res. Lists stations like KUA, RATU, LANU, etc.

UPP 27 00:33:23.8.0.0, 67.84N:20.21E, h0km, ML2.5, Confirmed
Induced event

HEL 27 00:33:24.2.0.1, 67.84N:20.19E, h0km, ML1.5, Suspected explosion

ISC 27 00:33:23.7.0.8, 67.82N:0.02:20.45E:0.03, h0km, n31,
a1930/47, Sweden

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res. Lists stations like KUA, RATU, LANU, etc.

BKK 27 00:35:47.6.0.5, 23.1N:8.9E, h10km, M4.2/0,
mb4.5/19, mB4.7/17, Mjma4.1/20, ML4.7/4, MLv4.6/12

MOS 27 00:35:49.3.0.9, 23.29N:91.62E, h106km, mb4.9/38, Error
ellipse: s-maj=12.7km s-min=3.8km az=123.5

BUI 27 00:35:49.2, 23.44N:94.43E, h96km, mb4.7/42, mB4.9/14
NEIC 27 00:35:50.4.1.4, 23.39N:0.05:94.50E:0.06, h9km, 5km,
mb5.0/59, Error ellipse: s-maj=7.7km s-min=6.6km
az=102.0

IDC 27 00:35:50.0.1.2, 23.32N:94.55E, h93km, 9km, mb4.2/26,
mbtmp4.5/28, MS3.4/6, Error ellipse: s-maj=12.0km

2018 DEC

s-min=9.4km az=60.0
NDI 27 00:35:51.0.23.38N:94.49E, h90km, mb4.6, ML4.6,
mb5.0(NEIC)

ISC 27 00:35:49.7.0.3, 23.29N:0.04:94.43E:0.03, h92km, 2km,
h93km: p-P, n429, a1936/466, mb4.8/125, 40C-18D,
Myanmar-India border region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res. Lists stations like IMP, SHL, BRDH, etc.

1786

SONA Sohna 16.39 291 eS Sn 00 42 21.1 -15
NPLP NPLP New Delhi 16.41 293 eP S 00 39 36.4 +0.7

Table with columns: Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res. Lists stations like XAN, KUDL, SMLA, etc.

27d 1h

Table of astronomical observations for 27d 1h, listing station names, codes, and various parameters like coordinates and signal strength.

2018 DEC

Table of astronomical observations for 2018 DEC, listing station names, codes, and various parameters like coordinates and signal strength.

1788

Table of astronomical observations for 1788, listing station names, codes, and various parameters like coordinates and signal strength.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC. Includes stations like KKR Karatay Array, KBL Kabul, BRLS Borolday, etc.

NEIC 27 01:14:59.5:0.6,34.406N:0.007:116.887W:0.006, h4km,4km, Error ellipse: s-maj=1.2km s-min=0.2km az=216.0

PAS 27 01:14:50.0:0.5,34.408N:0.008:116.892W:0.010, h2km,1km,ML3,4/318,ML3,2/42(NEIC), Error ellipse: s-maj=1.2km s-min=1.2km az=162.0, Southern California

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC. Includes stations like BBRC Big Bear Solar, SVD Seven Oaks Dam, VTV Victorville, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC. Includes stations like MURC Belle Mtn. Jos, BELC Belle Mtn. Jos, CRY Cary Ranch, etc.

comp=Z,31nm,20.2s,baz=356,slow=30 GERES GERESS Array B 147.42,SNR=3.8 PKPbc 01 48 36.0 +0.1

WEL 27 01:31:54.9:0.8,39.5:18.0W:1.1h33km,M3.5/6, ML3,7/14,MLV,5/6, Error ellipse: s-maj=8.3km s-min=6.2km az=36.0, confirmed, East of North Island

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC. Includes stations like MHGZ Mahia Peninsula, PRGZ Paritu Road, PUZ Puketiti, etc.

AEIC 27 01:47:06.0:1.6,61.39N:0.02:150.10W:0.04, h20km,2km, Error ellipse: s-maj=2.8km s-min=2.4km az=157.0

NEIC 27 01:47:06.7:1.2,61.45N:0.02:150.11W:0.05, h38km,3km, ML2,8/66,ML2,7(AEIC), Error ellipse: s-maj=3.6km s-min=3.2km az=161.0, Southern Alaska

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC. Includes stations like SUA Susitna One, RC01 Rabbit Creek A, PMR Palmer, etc.

27d 2h

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, and various data points for stations like Mentasta, Holitna River, Nushagak Hills, etc.

NEIC 27 01:57:48.4±1.3, 61.49N±0.03±149.88W±0.04, h37km±10km, ML2.9/78, ML2.8(AEIC), Error ellipse: s-maj=3.9km, s-min=2.7km, az=162.0

AEIC 27 01:57:47.4±3.3, 61.43N±0.02±149.98W±0.04, h15km±6km, Error ellipse: s-maj=3.8km, s-min=2.1km, az=145.0

Main table for stations in Alaska and the Pacific Northwest, including Fire Island, Rabbit Creek A, Susitna One, Palmer, Glory Hole Cre, Knik Glacier, etc.

NEIC 27 02:20:46.5±2.0, 5.56S±0.03±152.80E±0.10, h10km±1km, mb4.7/27, Error ellipse: s-maj=16.3km, s-min=4.8km, az=97.0

IDC 27 02:20:47.2±0.7, 5.28S±152.21E, h0km, mb4.6/17,

2018 DEC

mbmp4.6/19, ML3.0/2, MS3.7/33, Error ellipse: s-maj=24.3km, s-min=12.4km, az=115.0, GCMT 27 02:20:55.5±0.3, 5.67S±0.03±152.38E±0.04, h28km±1km, MW4.9/75, Moment Tensor Solution. s35.c37; s75.c87; Duration: 0 Moment tensor: Scale 10^19Nm; Mr2.63±.17; Mw-1.98±.10; Mw-0.65±.10; Ms1.22±.15; Mb-0.45±.07; Mo-0.72±.19; Best double couple: Mo2.75900x10^16; NP1.0±67.00000; δ60.00000; λ85.00000; NP2: φ±257.00000; δ30.00000; λ99.00000; Principal axes: T 3.0280, P1g74.0000, Azm324.0000; N -0.5390, P1g4.0000; Azm69.0000; -2.4900, P1g15.0000; Azm160.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 27 02:20:47.5±0.4, 5.59S±0.05±152.63E±0.07, h10km±311, c163/294, mb4.7/34, MS3.7/31, New Britain region

Main table for stations in the Pacific Northwest and New Britain region, including Rabaul, Manus Island, Port Moresby, etc.

1790

Main table for stations in the Pacific Northwest and New Britain region, including HHC, LZH, MA2, GA2, SHL, UAN, SO, YAK, FALS, CHGN, GAMB, O14K, CHIR, N14K, O15K, K13K, M14K, L14K, N15K, P16K, M15K, SII, O16K, Q17K, L15K, J14K, N16K, R18K, P17K, K15K, O17K, M16K, OHAK, Q18K, L16K, ANM, TNA, N17K, KDAD, F14K, O18K, M17K, Q19K, J16K, L17K, N18K, G15K, Q20K, I17K, H16K, K17K, F15K, M18K, J17K, N19K, L18K, G16K, H17K, L19K, J18K, G17K, BRSE, M20K, F17K, H18K, CAPN, J19K, GCSA, E17K, D17K, K20K, G18K, SEW, F18K, SKT, SUA, RDOG

Table listing satellite passes for the 27th day of December 2018. Columns include satellite name (ANM, J14K, F15K, etc.), time, elevation (P, Pn, Pmax), azimuth (P, Pmax), and range (02, 26, etc.).

Table listing satellite passes for the 27th day of December 2018. Columns include satellite name (OBN, NOA, NORSAR, etc.), time, elevation, azimuth, range, and specific orbital parameters (azimuth, speed, etc.).

Table listing satellite passes for the 1792nd day of the year. Columns include satellite name (FRU1, ZALV, KURBA, etc.), time, elevation, azimuth, range, and specific orbital parameters.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like R0C1, VA06, MT06, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like CZSB, BDFB, SNDB, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like MLPR, AGPR, MIDR, etc.

IDC 27 03:00:01.8:0.8,55:62N:164:95E,h0km,mb3.5/13, mbmp3.5/14, ML2.7/1, Error ellipse: s-maj=28.8km s-min=16.2km az=163.0

KRSJ 27 03:00:01.7:1.2,52:22N:164:32E,h16km,40km,ML4.0 ISC 27 03:00:04.5:0.7,55:44N:107:164:66E,0:05,h22km,n42, e236/41,mb3.5/13,Komandorsky Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like BKI, KBTR, KBG, etc.

NEIC 27 02:52:59.7:1.2,73N:0:04:68:31W,0:02,h35km,2km, ML2.3/20,Md3.0/(RSPR), Error ellipse: s-maj=7.1km s-min=3.1km az=157.0

RSPR 27 02:53:00.6:1.7,81N:68:30W,h58km,7km,Md3.0/9 SDD 27 02:53:01.1:2.0,18:14N:68:16W,h65km,38km,Md2.7, ML2.2,MW2.3

ISC 27 02:52:58.3:1.9,179N:0:1:68:30W,0:06,h83km=17km,n48,e194/54,16C:5D,Mona Passage

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like PCDR, PCDR, PCDR, etc.

IDC 27 03:08:01.9:2.8,26:93N:54:86E,h0km,mb3.5/4, mbmp3.5/4, Error ellipse: s-maj=75.3km s-min=29.4km az=162.0

DSN 27 03:08:03.5:0.2,27:01N:54:88E,h10km,ML3.1/9, Error ellipse: s-maj=4.7km s-min=2.8km az=358.0

27d 3h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like LAR1, GENO, SHME, BANOM, etc.

IDC 27 03:09:24.1±2.1, 37.69N×136.43E, h150km, 43km, mb2.8/1, mbtmp3.3/2, Error ellipse: s-maj=112.5km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MJAR, USRK, WRA, etc.

NEIC 27 03:20:06.2±1.8, 22.45N×109.143°E, h130km, 6km, mb4.5/40, Error ellipse: s-maj=18.2km

IDC 27 03:20:12.7±5.0, 22.46N×143.51E, h195km, 44km, mb3.9/16, mbtmp4.4/16, Error ellipse: s-maj=35.6km

ISC 27 03:20:04.2±0.7, 22.44AN, 0.008, 143.5E, 0.1, h118km, n72, ±102/68, mb4.4/32, Volcano Islands region

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KCJ, JMN, JGF, etc.

2018 DEC

Table with columns: TOLK, Toolik Lake Res, 60.91 23 P P, etc. Includes stations like ILAR, EYAK, BMRM, etc.

IDC 27 03:41:37.2±0.6, 43.11N×81.70E, h0km, mb4.0/18, mbtmp4.0/26, ML3.6/7, MS3.3/19, Error ellipse: s-maj=12.4km

SOME 27 03:41:37.7, 43.10N×81.62E, h10km, MS3.5, BUJ 27 03:41:39.7, 43.11N×81.95E, h10km, mb4.3/10, ML4.3/10, MS3.8/3, MS7.3/82

NNC 27 03:41:40.9±0.9, 43.32N×81.56E, h0km, mb4.7, mpv4.5, Error ellipse: s-maj=7.7km

ISC 27 03:41:39.6±0.7, 43.17N×81.67E, 0.03, h13km, 4km, n188, ±190/217, mb4.5/59, MS3.2/13, 14C-13D, Northern Xinjiang

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PDGK, SHLS, DJR, etc.

1794

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MDOK, KNDK, TNS5, etc.

ISN 27 03:47:14.8±0.5, 34°54'N-45°63'E, h14km, 15km, ML2.8
TEH 27 03:47:15.4, 34°54'N-45°63'E, h10km, 928km, ML2.7
ISC 27 03:47:15.8±1.3, 34°54'N-0°05'45.62E±0.04, h8km±12km,
n9, a0668/16, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Gilan-e-Gharb, Dehrash, Ghaleghazi, Ilam Banvizeh, etc.

KRSC 27 03:56:09.1±1.7, 54°12'N-168°72'E, h49km±29km, M14.0, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Bering, Krutoberegovo, Mys Shipunski, etc.

TEH 27 03:57:01.7, 34°55'N-45°67'E, h10km, ML2.6
ISN 27 03:57:01.9±0.7, 34°53'N-45°64'E, h18km, 75km, ML2.4
ISC 27 03:57:01.8±1.3, 34°53'N-0°05'45.66E±0.05, h13km±10km,
n6, a0558/9, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Gilan-e-Shirin, Ghara-e-Gharb, Dehrash, etc.

NEIC 27 04:02:55.4±1.6, 61°42'N-0°03'150°03'W±0.06, h43km±6km,
Error ellipse: s-maj=4.8km s-min=3.8km az=151.0
AEIC 27 04:02:55.9±0.8, 61°38'N-0°03'150°06'W±0.06, h35km±6km,
ML2.5, ML2.7/94(NEIC), Error ellipse: s-maj=4.5km
s-min=3.1km az=150.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Fire Island, Rabbit Creek A, Susitna One, etc.

Table with columns: CNP/M24K/M24K/HIN/ILSW/DIV/RND/DHY/KTH, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Tolsona, Glenn, Klutina, etc.

NEIC 27 04:18:11.5±1.5, 61°42'N-0°03'150°02'W±0.05, h41km±2km,
ML3.0/120, ML2.8(AEIC), Error ellipse: s-maj=3.7km
s-min=3.1km az=150.0
AEIC 27 04:18:10.8±2.2, 61°38'N-0°02'150°11'W±0.04, h20km±5km,
Error ellipse: s-maj=2.9km s-min=2.6km az=173.0,
Southern Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Fire Island, Susitna One, Rabbit Creek A, etc.

Table with columns: FID, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Home, China Poot, Tolsona, Glenn, etc.

CATAC 27 04:21:04.0±1.0, 12°30'N-88°91'W, h21km±13km, ML2.6,
Off coast of central America

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Alcala de Te, Centro de Oper, Loma Larga, etc.

NEIC 27 04:23:35.1±1.0, 16°74'S-0°09'177°7'W±0.1, h433km±17km,
mb4.3/24, Error ellipse: s-maj=20.3km s-min=9.9km
az=118.0
IDC 27 04:23:38.8±1.8, 16°51'S-178°25'W, h444km±14km, mb3.3/8,
mbtm4.1/10, Error ellipse: s-maj=55.5km s-min=16.1km
az=145.0

Table with columns: Code, Station Name, A° AZZ, Phase ID, Time, Res, ISC. Includes entries for FUGATOGA, NONSAVU, UREWERA, QUARTZ RANGE, etc.

Table with columns: Code, Station Name, A° AZZ, Phase ID, Time, Res, ISC. Includes entries for LITHAKIA, KIPSALI, ORTHONIS, etc.

Table with columns: Code, Station Name, A° AZZ, Phase ID, Time, Res, ISC. Includes entries for DROSSIA, FISKARDE, LEFKADA ISLAND, etc.

Table with columns: Code, Station Name, A° AZZ, Phase ID, Time, Res, ISC. Includes entries for PODGORICA, VITOSH, TREBINJE, etc.

Table with columns: Code, Station Name, A° AZZ, Phase ID, Time, Res, ISC. Includes entries for BOROVYOYE ARAY, KURBUB, etc.

WEL 27 04:32:20.4, 0.38'S, 8°18'0W, h33km, M3.2/10, ML3.5/16, MLV3.2/10, Error ellipse: s-maj=10.1km s-min=6.4km az=9.8, confirmed, East of North Island

Table with columns: Code, Station Name, A° AZZ, Phase ID, Time, Res, ISC. Includes entries for WAIOMATINI S, MATAKAOA POINT, etc.

ICD 27 04:33:02.7, 1.2, 1.44S, 145.76E, h0km, mb4.0/11, mbmp4.1/13, ML2.1/1, MS3.2/14, Error ellipse: s-maj=41.3km s-min=16.7km az=87.0

Table with columns: Code, Station Name, A° AZZ, Phase ID, Time, Res, ISC. Includes entries for MANUS ISLAND, JAYAPURA, etc.

NEIC 27 04:33:05.3, 2.0, 1.46S, 0.09, 145.63E, 0.06, h10km, 1km, mb4.5/21, Error ellipse: s-maj=15.5km s-min=9.1km az=199.0

Table with columns: Code, Station Name, A° AZZ, Phase ID, Time, Res, ISC. Includes entries for COEN, GUMAO, etc.

ICD 27 04:33:08.1, 0.5, 1.53S, 0.08, 145.58E, 0.05, h34km, n56, r1503/42, mb4.3/21, MS3.3/10, Admiralty Islands region

Table with columns: Code, Station Name, A° AZZ, Phase ID, Time, Res, ISC. Includes entries for MANUS ISLAND, JAYAPURA, etc.

Table with columns for station ID, name, coordinates, elevation, and other technical data. Includes stations like Changchun, West Island, Prapat, etc.

Table with columns for station ID, name, coordinates, elevation, and other technical data. Includes stations like CD2, BTO, UNV, HIA, etc.

Table with columns for station ID, name, coordinates, elevation, and other technical data. Includes stations like P18K, N17K, K15K, Q19K, etc.

27d 5h

2018 DEC

1800

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like KAIM Kayak Island, E18K Tukpahleark C, etc.

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like PRP Porcupine Dome, KMPM Mount Pierce, etc.

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like DLBC Dease Lake, J30M Hart River, etc.

Table of satellite data for section 1801, listing station names like 319A, LYMT, DUNE, etc., with their coordinates and parameters.

Table of satellite data for section 2018 DEC, listing stations from RONA Rosalia, Austr to SPN Mys Shipunski.

IDC 27 05:49:03.1±0.6, 55°56'N; 163°31'E, h0km, mb4.1/24, mb1m/4.1/27, ML4.0/3, MS3.4/3, Error ellipse: s-maj=16.3km s-min=12.3km az=149.0. KRSC 27 05:49:03.2±1.3, 55°43'N; 163°39'E, h0km, mb4.9, M4.7, MOS 27 05:49:03.2±1.3, 55°56'N; 163°27'E, h45km, mb4.5/15, Error ellipse: s-maj=6.9km s-min=4.7km az=77.2. NEIC 27 05:49:08.1±1.2, 55°52'N; 163°03'E, h35km, mb2km, mb4.2/51, Error ellipse: s-maj=13.6km s-min=10.1km az=69.0. ISC 27 05:49:05.9±0.6, 55°50'N; 163°31'E, Off coast, h22km, m207, e1941/210, mb4.3/72, MS3.8/3D, 0.0 az east coast of Kamohaka Peninsula

Table with 4 columns: Code, Station Name, Phase ID, Time Res. Listing stations like KBTR Krutoberegovo, KBYR Krutoberegovo, etc.

Table of satellite data for section 27d 5h, listing stations from SPN Nalytchevo to MAJO Matusshiro.

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

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

ISK 27 06:46:36.4, 42.3430, 07E, h12km, 1km, ML2.6/4
AFAD 27 06:46:41.6, 0.0 42.1913, 30E, h16km, 1km, ML2.6/4
ISC 27 06:46:39.1, 2.1, 42.300, 0.03, 30.93E, 0.04, h25km, 20km, n41, c133/56, 7C-8D, Black Sea

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

NEIC 27 06:55:28.4, 1.8, 23.305, 0.07, 174.67W, 0.09, h10km, 1km, mb4.7/23, Error ellipse: s-maj=16.8km s-min=6.6km az=54.0

IDC 27 06:55:37.4, 4.1, 23.535, 175.28W, h51km, 34km, mb4.1/14, mbtmp4.4/17, ML5.2/2, MS3.8/20, Error ellipse: s-maj=23.8km s-min=18.1km az=130.0

ISC 27 06:55:34.2, 0.5, 23.555, 0.07, 175.11W, 0.09, h29km, n89, c25/27, mb4.6/28, MS3.8/19, 4C, Tonga Islands region

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

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

RSNC 27 06:43:09.3, 0.0, 7.1N, 173W, h144km, 2km, M2.9, mb3.4, mb6.3, ML2.7, Mw(m)Bj0.0, Northern Colombia

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

27d 7h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like KURBS Kurchatov Arra, BVAR Borovoye Array, ARCES ARCES Array B, FINES FINESS Array B, HFS Hagfors, AKASG Malin Array B, EKAG Eskdalemuir Arr, BRTR Keskin Array B, MMAI Mount Meron Arr, OSTC Ostas, CHVC Chivalec, UJPC Ujice, DPC Dobruska-Polom, KRLC Kraliky, MVCC Panska Ves, PAUC Maruska, PRU Pruhonice, KHC Kasperke Hory, CKRC Cesky Krumlov, GERES GERES Array B, ESDC Sonseca Array, ESDC Sonseca Array.

IDC 27 07:01:52.6:3.1,53:57N:87.85E, h0km, mbtmp3.2/2, ML2.4/2, Error ellipse: s-maj=26.3km s-min=15.3km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like H46RU ZALESOV INFRA, ZALV Zalesovo Beam, ZALV Zalesovo Beam, KURBS Kurchatov Arra, KURBS Kurchatov Arra, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array.

IDC 27 07:03:27.2: 1.1, 6.42S: 143.73E, h0km, mb4.0/5, mbtmp4.0/8, ML2.4/2, Error ellipse: s-maj=27.4km s-min=15.0km az=103.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like PMG Port Moresby, PMG Port Moresby, JAY Jayapura, WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, FITZ Fitzroy Crossi, MKAR Makanchi Array, NRK Noril'sk, BVAR Borovoye Array, ILAR Eielson Array.

IDC 27 07:10:15.7: 1.2, 12.64N: 88.12W, h0km, mb3.6/6, mbtmp3.6/8, ML3.2/2, MS3.4/3, Error ellipse: s-maj=56.6km s-min=17.7km az=50.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like CATAC CATAC 27, SNET SNET 27, IDC 27 07:10:16.4: 2.0, 12.24N: 0.03: 88.55W, h0km, mb4.0/11, n49, r=18/58, mb3.6/6, MS3.5/3, Off coast of central America.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like CSGN Cosiguina Volc, BLLM Bellamira, PACA Pacayal, PACA Pacayal, PACA Pacayal, LCND La Caada, LCND La Caada, R4631 Marina puesta, CNCH Conchagua, CNCH Conchagua, POTN Potosi Cosigui, POS Presa 15 de Se, POS Presa 15 de Se, POS Presa 15 de Se, COEG Centro de Oper, COEG Centro de Oper, COEG Centro de Oper, LFRS El Faro, SCLA Alcadia de Sa, SCLA Alcadia de Sa, PAVA Las Pavas, PAVA Las Pavas, CRIN San Cristobal, CRIN San Cristobal, CAHU Cacacuati, CAHU Cacacuati.

2018 DEC

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like PMON Piamonte, PMON Piamonte, JLVN Geotermica Pol, JLVN Geotermica Pol, ILCN San Idefonso, COPN Copalpete, COPN Copalpete, MOMI Momotombo, MOMI Momotombo, NUBE Las Nubes, NUBE Las Nubes, UNAN Cigeo UNAN, UNAN Cigeo UNAN, R4DEC Barrio San Lui, R4DEC Barrio San Lui, R4DEC Managua, R4DEC Managua, R0529 La Mascota, R0529 La Mascota, MTO3 Montecristo, MTO3 Montecristo, MTO3 Montecristo, LIMN Finca el Limon, LIMN Finca el Limon, MAS3 AI N del Volca, MAS3 AI N del Volca, NANN Nandamaso, NANN Nandamaso, NADN Granada, NADN Granada, JTS Las Juntas de, JTS Las Juntas de, CMIG Matias Romero, CMIG Matias Romero, ATAH Atahualpa, ATAH Atahualpa, TXAR Lajas Array, TXAR Lajas Array, TKL Tuckaleechee C, TKL Tuckaleechee C, PDAR Pineda Arra, PDAR Pineda Arra, ULM Lac du Bonnet, ULM Lac du Bonnet, FRB Frobisher Bay, FRB Frobisher Bay, YKA Yellowknife A, YKA Yellowknife A, ILAR Eielson Array, ILAR Eielson Array, KEST Kesra, KEST Kesra, WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs.

IDC 27 07:27:05.1: 1.8, 23:33S: 174.85W, h0km, mb4.1/3, mbtmp4.2/5, ML5.1/1, MS3.4/4, Error ellipse: s-maj=63.8km s-min=35.7km az=172.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like MSFV Nonsavu, MSFV Nonsavu, RAR Rarotonga, RAR Rarotonga, RAR Rarotonga, PPT Papeete, PPT Papeete, ASAR Alice Springs, ASAR Alice Springs, WRA Warramunga Arr, WRA Warramunga Arr, BATI Baumata, BATI Baumata, ATAH Atahualpa, ATAH Atahualpa, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, AKASG Malin Array B, AKASG Malin Array B.

PLV 27 07:30:04.2: 2.1, 22:71N: 102:04E, h21km, 25km, ML4.2

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like DBV Dienbien, DBV Dienbien, DBV Dienbien, DBV Dienbien, SPV Sa-pa, SPV Sa-pa, VTBV Vinh Tuy, VTBV Vinh Tuy, VTBV Vinh Tuy, VTBV Vinh Tuy, HGVB Ha Giang, HGVB Ha Giang, CCVB Con Cuong, CCVB Con Cuong, CCVB Con Cuong, CCVB Con Cuong, PHRA Phrae, PHRA Phrae, LAMP Lampang, LAMP Lampang, CM09 Chiang Mai Arr, CM09 Chiang Mai Arr.

1804

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CM02 Chiang Mai Arr, CM02 Chiang Mai Arr, CM04 Chiang Mai Arr, CM04 Chiang Mai Arr, CM05 Chiang Mai Arr, CM05 Chiang Mai Arr, CM13 Chiang Mai Arr, CM13 Chiang Mai Arr, PHIT Phitsanulok, PHIT Phitsanulok, PHIT Phitsanulok, PHIT Phitsanulok, CHAI Chaiyaphum, CHAI Chaiyaphum, UTHA Uthaitani, UTHA Uthaitani, SONMG Songoing Array, SONMG Songoing Array, MKAR Makanchi Array, MKAR Makanchi Array, KURBS Kurchatov Arra, KURBS Kurchatov Arra, ZALV Zalesovo Beam, ZALV Zalesovo Beam, BVAR Borovoye Array, BVAR Borovoye Array, WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs.

IDC 27 07:34:34.4: 2.7, 54:01N: 86.60E, h0km, mbtmp2.9/2, ML2.5/2, Error ellipse: s-maj=22.7km s-min=13.1km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like NIED 27 07:42:27.9: 0.1, 42:75N: 145:48E, h46km, MW3.4, Moment Tensor Solution, Moment tensor: Scale 10^14Nm, Mr: 1.04, Mb: 0.81, Ms: 1.85, Mw: 0.54, Mo: 0.01, Mo: 0.23, Fault plane parameters: M1: 6.880000 x 10^14 Np1: 32.000000, delta: 0.000000, lambda: 1.35.000000, NP2: 148.000000, delta: 0.52.000000, lambda: 3.000000.

JMA 27 07:42:27.9: 0.1, 42:75N: 145:48E, h46km, MW3.4, Moment Tensor Solution, Moment tensor: Scale 10^14Nm

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like JKHN Kushirohmanak, JKHN Kushirohmanak, AKK Akkeshi, AKK Akkeshi, AKK Akkeshi, AKK Akkeshi, JAK Akkeshi, JAK Akkeshi, NEMZ Nemuro, NEMZ Nemuro, NEMZ Nemuro-Hokkai, NEMZ Nemuro-Hokkai, JNK Nakash, JNK Nakash, JRA Rausu, JRA Rausu, JRA Rausu, JRA Rausu, YUK Yuzh-Kuril'sk, YUK Yuzh-Kuril'sk, YUK Yuzh-Kuril'sk, YUK Yuzh-Kuril'sk.

NEIC 27 07:54:06.1: 1.6, 61:37N: 0.03: 149.96W: 0.04, h47km, 4km, Error ellipse: s-maj=4.5km s-min=3.1km az=172.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like FIS Fire Island, FIS Fire Island, FIS Fire Island, FIS Fire Island, RCO1 Rabbit Creek A, RCO1 Rabbit Creek A, RCO1 Rabbit Creek A, RCO1 Rabbit Creek A, SUA Susitna One, SUA Susitna One, SUA Susitna One, SUA Susitna One, PALMER Palmer, PALMER Palmer, PALMER Palmer, PALMER Palmer, GHO Glory Hole Cre, GHO Glory Hole Cre, GHO Glory Hole Cre, GHO Glory Hole Cre, CAPN Capn Knik Glacier, CAPN Capn Knik Glacier, CAPN Capn Knik Glacier, CAPN Capn Knik Glacier, SLKM Skliak Lake, SLKM Skliak Lake, SLKM Skliak Lake, SLKM Skliak Lake.

AEIC 27 07:54:05.7: 2.1, 61.35N: 0.03: 150.08W: 0.04, h20km, 1km, ML2.7, ML2.8/100(NEIC), Error ellipse: s-maj=4.0km s-min=2.8km az=172.0, Southern Alaska

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like FIS Fire Island, FIS Fire Island, RCO1 Rabbit Creek A, RCO1 Rabbit Creek A, SUA Susitna One, SUA Susitna One, PALMER Palmer, PALMER Palmer, GHO Glory Hole Cre, GHO Glory Hole Cre, CAPN Capn Knik Glacier, CAPN Capn Knik Glacier, SLKM Skliak Lake, SLKM Skliak Lake.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like STLK Strandline Lak, Q22K Cooper Landing, SML Sawmill, SPU Mount Spurr, etc.

NNC 27 07:59:36.6:3.4, 53.56N:88.29E, h0km, mb3, mpv3.2, Error ellipse: s-maj=27.9km s-min=15.7km az=56.0, Suspected Mining explosion.

ISC 27 07:59:38.7:2.5, 53.69N:88.20E, h0km, mbmp3.3/4, ML2.5/4, Error ellipse: s-maj=21.7km s-min=14.2km az=61.0

ISC 27 07:59:38.4:3.3, 53.7N:0.1:88.0E:0.2, h0km, n9, s178/13, IC, Southwestern Siberia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like H46RU ZALESOVO INFRA, ZAAO Zalesovo Array, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KURBB 9.4nm,0.7s, MK31 Makanchi Array, MK31 0.5nm,0.6s, etc.

KNET 27 08:00:43.8:0.6, 42.54N:74.94E, h8km,6km, ml1.5, Error ellipse: s-maj=4.1km s-min=1.6km az=115.0, NNC 27 08:00:44.6:0.8, 42.59N:74.99E, h0km, mb3.0, mpv2.8, Error ellipse: s-maj=5.1km s-min=2.0km az=15.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KBK Karagaybulak, AAK Ala-Archa, CHMS Chumysh, UCH Uchtor, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ZHN Zhinshke, ZHN 10nm,0.4s, ARXS Arhary, etc.

ICD 27 08:07:46.1:3.7, 54.24N:87.43E, h0km, mbmp2.5/2, ML2.2/2, Error ellipse: s-maj=33.1km s-min=20.6km az=45.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like H46RU ZALESOVO INFRA, ZALV Zalesovo Beam, KURBB Kurchatov Arra, etc.

ICD 27 08:11:04.6:1.2, 54.97N:164.42E, h0km, mb3.4/6, mbmp3.4/7, ML2.5/1, Error ellipse: s-maj=44.1km s-min=19.3km az=158.0

KRSC 27 08:11:05.1:1.0, 54.91N:164.52E, h49km,29km, ML3.9, ISC 27 08:11:06.2:3.9, 54.98N:0.05:164.50E:0.06, h13km,26km, n38, c115/43, mb3.4/6, Komandorsky Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BKI Bering, KBTR Krutoberegovo, KBGR Krutoberegovo, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like H11N2 WAKE ISLAND Hy, H11N3 WAKE ISLAND Hy, YKA Yellowknife Arr, etc.

ICD 27 08:13:35.5:0.6, 5.99S:146.21E, h0km, mb4.3/16, mbmp4.3/20, ML3.9/3, MS3.4/11, Error ellipse: s-maj=28.6km s-min=12.7km az=81.0, NEIC 27 08:13:41.8:1.4, 6.05S:0.08:146.2E:0.1, h36km,7km, mb4.5/39, Arrn Error ellipse: s-maj=16.9km s-min=10.2km az=63.0

ISC 27 08:13:41.0:0.5, 6.05S:0.06:146.11E:0.08, h32km, n89, c093/83, mb4.6/35, MS3.3/6, IC, Eastern New Guinea region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PMG Port Moresby, PMG Port Moresby, PMG Port Moresby, etc.

27d 8h

Table with columns: SEY, comp, Z, Az, m, s, Pmax, P, max, Time, Res, h, m, s, ISC. Rows include stations like KMI, SLVN, PZH, etc.

2018 DEC

Table with columns: NIL, comp, Z, Az, m, s, Pmax, P, max, Time, Res, h, m, s, ISC. Rows include stations like STKA, STKA, STKA, etc.

1808

Table with columns: UNAN, comp, Z, Az, m, s, Pmax, P, max, Time, Res, h, m, s, ISC. Rows include stations like UNAN, UNAN, UNAN, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like PB18 Visivri, LPAZ La Paz, AP01 Chacalluta, etc.

SOME 27 08:56:24.5, 44.60N-82.07E, h15km
NIC 27 08:56:25.6, 1.5, 44.76N-81.91E, h0km, mb3.5, mpv3.4,
Error ellipse: s-maj=17.9km s-min=4.6km az=122.0,
Suspected Mining explosion.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like DJR Jarkent, MK31 Makanchi Array, etc.

Table with columns: TDK, Station Name, Az, Phase, ID, Time, Res. Includes stations like KPKS Kokpek, ZHN Zhinshike, etc.

IDC 27 08:59:09.9, 0.3, 10.29N-68.07W, h0km, mb4.8/30,
mbmp4.8/34, ML4.6/5, MS4.7/65, Error ellipse:
s-maj=11.3km s-min=9.4km az=127.0,
NEIC 27 08:59:11.2, 1.3, 10.26N-0.04-67.90W, 0.06, h8km, 1km,
mb5.4/130, Mw5.3/333, Mww5.4/47, Error ellipse:
s-maj=10.9km s-min=7.0km az=96.0, Moment Tensor
Solution. Moment tensor: Scale 10^17Nm; Mrr=0.49;
Mth=0.34; Mtt=0.13; Mtr=0.90; Mtr=0.59; Fault
plane solution: Ms=1.7000x10^17, NPl=32.080000,
347.980000, 1-157.860000, NP2=346.850000,
673.740000, 1-44.210000. Principal axes: T 1.2930,
Plg16.0000, Azm45.0000; N -0.3060, Plg43.0000,
Azm151.0000; P -0.9869, Plg42.0000, Azm300.0000;
RSNC 27 08:59:11.2, 0.2, 10.28N-67.90W, h10km,
mb6.0, mb5.8, ML5.6, Mw(m)5.7, MwMwp5.3, Mwps5.5
NEIC 27 08:59:11.7, 10.28N-67.90W, h10km
NEIC 27 08:59:11.7, 10.28N-67.90W, h12km
NEIC 27 08:59:11.7, 10.28N-68.21W, h12km, Moment Tensor
Solution. Duration: 2x3 Moment tensor: Scale 10^17Nm;
Mrr=0.64; Mth=0.57; Mtt=0.00; Mtr=1.09; Mtr=1.34;
Fault plane solution: Ms=1.8200x10^17, NPl=32.080000,
347.980000, 1-157.860000, NP2=346.850000,
673.740000, 1-44.210000. Principal axes: T 1.7804,
Plg22.0000, Azm48.0000; N 0.0851, Plg37.0000,
Azm156.0000; P -1.8655, Plg45.0000, Azm294.0000;
VAO 27 08:59:11.7, 0.3, 10.23N-68.08W, h10km, mb5.1
MOS 27 08:59:11.7, 10.38N-68.19W, h14km, mb5.4/39, Error
ellipse: s-maj=8.0km s-min=6.3km az=94.9
FUNV 27 08:59:12.1, 0.1, 31N-68.06W, h9km, MWS5.2
GCMT 27 08:59:14.2, 0.1, 10.26N-0.01-68.08W, 0.01, h12km,
MWS5.4/141, Moment Tensor Solution. s14, c269;
Duration: 1x3 Moment tensor: Scale 10^17
Nm; Mrr=0.71; Mth=0.67; Mtt=0.02; Mtr=0.33; 02;
Mtr=0.24; 05; Mtr=1.43; 02; Mtr=0.69; 05; Best double
couple: Ms1.740000x10^17, NPl31.3470000; 869.000000,
1-32.000000, NP2=346.900000, 660.000000,
1-156.000000. Principal axes: T 1.8450, Plg6.0000,
Azm40.0000; N -0.2100, Plg52.0000, Azm138.0000; P
-1.6350, Plg37.0000, Azm306.0000; nstai refers to
body waves, cutoff=40s. nstai refers to surface waves,
cutoff=50s. Triangular moment-rate function
BGR 27 08:59:17.9, 10.49N-67.91W, h10km, mb4.8, Ms4.7
CATAC 27 08:59:22.0, 0.9, 10.46N-68.69W, h64km, gkm, MB5.8,
mb5.4, ML6.3

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like BENV Bein, GENU Macapo, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like PCRV 330nm, 0.3s, baz=279, slow=19, SNR=12, etc.

27d 8h

Table with columns for station name, frequency, power, and status. Includes stations like URM, PRAC, ORTC, ANWB, etc.

2018 DEC

Table with columns for station name, frequency, power, and status. Includes stations like SOR, ITTB, TGUH, POTN, etc.

1810

Table with columns for station name, frequency, power, and status. Includes stations like PB09, P51A, UTMT, etc.

1811

Table with columns: Station ID, Name, Frequency, Power, Mode, Date, Time, and other details. Includes stations like Sierra La Lagu, Trinidad, Palomas, Salto, Albuquerque, etc.

2018 DEC

Table with columns: Station ID, Name, Frequency, Power, Mode, Date, Time, and other details. Includes stations like EVO, EVO, Beja, Vaqueiros, etc.

27d 8h

Table with columns: Station ID, Name, Frequency, Power, Mode, Date, Time, and other details. Includes stations like Windy Craggy, Alishki Lake, Peal River, etc.

27d 8h

Table listing station identifiers, names, frequencies, and various parameters for 27 days over 8 hours. Includes stations like BMAR, FTG, M24K, etc.

2018 DEC

Table listing station identifiers, names, frequencies, and various parameters for December 2018. Includes stations like MOA, CKRC, E23K, etc.

1812

Table listing station identifiers, names, frequencies, and various parameters for 1812. Includes stations like VYHS, MORH, P17K, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations like Apatity, VOIR, PPT, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like LBTB, KBZ, BOSHA, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like QIZ, ASAR, WRA, etc.

NEIC 27 09:00:43.7±2.3, 16°56'N, 0°05:94.55W±0.04, h101km, 4km, mb4.3/4, Md4.5/122(MEX), Error ellipse: s-maj=7.0km

MEX 27 09:00:44.4±0.8, 16°60'N, 94°60'W, h104km, 7km, Md4.5, ISC 27 09:00:41.5±1.1, 16°60'N, 0°04:94.54W±0.04, h126km, 9km, n105, ±256/179, Oaxaca

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like CMIG, UXUV, etc.

2018 DEC

27d 9h

Table listing astronomical objects like Puerto Escondi, Union Juarez, Toxpalan, etc., with columns for magnitude (m), phase (Pn/Sn), time of observation (09:01-09:29), and residual (Res).

Table listing astronomical objects like ZALESOVO INFRA, ZALV, ZALV, KURBB, etc., with columns for object name, magnitude (m), phase (I/Pn), time of observation (09:33-10:20), and residual (Res).

1814

Table listing astronomical objects like Hardware Ranch, Red Light, Snow King Mountain, etc., with columns for object name, magnitude (m), phase (P/Iamb), time of observation (09:21-09:32), and residual (Res).

ADC 27 09:11:20.5:3.5,53.51N-90.78E,h0km,mbmp2.9/3, ML2.5/3, Error ellipse: s-maj=32.8km s-min=24.9km az=35.0, Southwestern Siberia

IDC 27 09:24:18.9-0.4, 10.29N:68.07W, h0km, mb4.5/28, mbtmp4.6/32, M4.3/5, MS4.0/10, Error ellipse: s-maj=11.0km s-min=9.7km az=158.0

RSNC 27 09:24:20.0-1.1, 10.1N:2.6W, h10km, 11km, M5.2, mb5.5, mb5.7, M4.6, Mw(MB)5.0

FUNV 27 09:24:21.2, 10.22N:68.09W, h4km, MW4.3

ISC 27 09:24:20.1-1.1, 10.27N:0.003:68.02W, 0.03, h11km, near coast of Venezuela

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

Main table listing seismic events with columns: Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ROSC, EMPR, ILAM, etc.

Table listing seismic events with columns: Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CLTN, LUPA, PBO1, etc.

27d 10h

Table with columns: PDAR, ScP, ScP, 09 38 24.3 -0.1, etc. Lists various stations and their coordinates.

2018 DEC

Table with columns: SQTA, C27K, WATA, WTTA, NB2, NOA, ILAR, ILAR, ABTA, LESA, D25K, CLL, KBA, KHC, KHC, PRED, PRED, BIOA, MYKA, GERES, E24K, HFS, HFS, BRG, BRG, C24K, ZVC, MOA, CKRC, OBKA, SOKA, C23K, ARSA, SPU, E22K, CONA, D22K, RONA, KRUC, SPITS, MODS, MORC, L19K, N18K, VYHS, MORH, ARCES, FINES, HORU, MLR, LUBAR, IDI, TSUM, VNA3, VNA1, VNA2, SNA, SNA, BRTR, BROLL, TILL, OPO, MKAR, KSH, WMQ, SOMN, MJAR, HHC, HHC, GTA, GTA, BTO, BTO, NJO, CD2, PZH, STKA, CMAR, ASAR, WRA, etc. Lists various stations and their coordinates.

1816

Table with columns: KURBB, MKAR, WEL 27 09:33:21.4+0.5,38°S,3°17'9"E, North Island, Code, Station Name, A°, AZ°, Phase ID, Time Res, etc. Lists various stations and their coordinates.

27d 10h

Table of satellite passes for 27d 10h, including columns for ID, Name, Azimuth, Elevation, Azimuth Rate, Elevation Rate, Time, and other parameters.

2018 DEC

Table of satellite passes for 2018 DEC, including columns for ID, Name, Azimuth, Elevation, Azimuth Rate, Elevation Rate, Time, and other parameters.

1818

Table of satellite passes for 1818, including columns for ID, Name, Azimuth, Elevation, Azimuth Rate, Elevation Rate, Time, and other parameters.

Additional information including coordinates (e.g., 10C 27 10:32:44.72, 5.403S), error ellipses, and code names for specific satellite passes.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SMPI Biak, BAKI Port Moresby, PMG Port Moresby, etc.

KOLA 27 10:39:20.0±0.3, 64°58N±30'81E, h0km, M2.5, The earthquakes of Russia in 2018. Obninsk, GS RAS, 212 p + CD-ROM, 2020.

HEL 27 10:39:20.9±0.2, 64°68N±30'84E, h0km, ML1.8, Explosion MOS 27 10:39:21.0±0.3, 64°59N±30'74E±0.03, h0km, M2.5, The earthquakes of Russia in 2018. Obninsk, GS RAS, 212 p + CD-ROM, 2020.

ICD 27 10:39:21.9±0.2, 64°59N±30'93E, h0km, mbmp2.9/4, ML2.0/4, Error ellipse: s-maj=33.3km s-min=8.4km az=103.0

ISC 27 10:39:20.4±1.0, 64°69N±0°03.30'60E±0°06, h0km, n25, ±0°96/36, Finland-Karelia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RMF Rovaniemi, KU1 Rovaniemi, PUF PULANKA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RANF Vikkela, LUMIJ, OUF Merijarvi, etc.

KOLA 27 10:41:57.0±0.3, 64°70N±30'83E, h0km, M2.3, The earthquakes of Russia in 2018. Obninsk, GS RAS, 212 p + CD-ROM, 2020.

ICD 27 10:42:01.6±2.9, 64°98N±30'45E, h0km, mbmp2.8/3, ML2.3/3, Error ellipse: s-maj=47.7km s-min=10.8km az=98.0

ISC 27 10:41:56.6±1.2, 64°78N±0°07'30'42E±0°09, h0km, n8, ±1°08/13, Finland-Karelia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like APAO Apatity Array, LZV Lovozero, FINES FINESS Array B, etc.

FUNV 27 10:48:30.4, 10°26N±68°11'W, h2km, MW3.5, RSNC 27 10:48:37.7±0.9, 10°N±5°6'8W±1'2, h20km±18km, M3.2, mb±0.4, ML3.0

ISC 27 10:48:31.8±1.3, 10°19N±0°06'68"11'W±0°03, h25km±12km, n22, ±1°97/41, 3C-2D, Near coast of Venezuela

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MAPV Macapo, BENY Beln, TACV Tcata, etc.

JMA 27 11:08:23.7±0.3, 33°N±3°13'E±, h423km, MV3.2/36, FAR S OFF TOKAI DISTRICT

ICD 27 11:08:27.6±1.7, 33°09N±137'16E, h383km±14km, mb2.8/5, mbmp3.5/7, Error ellipse: s-maj=25.1km s-min=23.9km az=160.0

ISC 27 11:08:28.2±1.5, 33°11N±0°2'137'22E±0°09, h400km, n19, ±1°16/20, mb3.0/5, Near south coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TOTO TANAKAI O.B.S., JIE Ise, JKN2 Miekhokou, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, WRA Warrunganga Arr, ILAR Eielson Array, etc.

MEX 27 11:15:06.3±0.3, 18°32N±103°48W, h50km±4km, MD3.8, Near coast of Michoacan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MMIG Aquila, CEGR Campo Tres, MINGA Volcan de Coli, etc.

ICD 27 11:20:12.2±9.2, 6°71S±129°86E, h160km±95km, mb3.5/1, mbmp3.9/5, Error ellipse: s-maj=81.3km s-min=27.2km az=39.0

ISC 27 11:20:14.2±1.4, 6°9S±0°1'129°79E±0°09, h150km, n13, ±1°11/27, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DRS Darwin Rock St, MTN Manton Dam, KDU Kakadu, etc.

ICD 27 11:22:51.5±353.0, 52°82'33"53E, h0km, Error ellipse: s-maj=147.7km s-min=88.9km az=24.0, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I43RU DUBNA INFRASON, I26DE FREYUNG INFRAS13, I31KZ AKTYUBINSK INF, etc.

ICD 27 11:25:32.3±0.5, 56°58S±24°89W, h0km, mb4.5/10, mbmp4.5/11, ML4.4/11, MS4.1/23, Error ellipse: s-maj=22.0km s-min=16.6km az=55.0

NEIC 27 11:25:36.1±1.4, 56°6S±0°1'24.8W±0.2, h10km±1km, mb5.1/25, Error ellipse: s-maj=21.3km s-min=13.7km az=225.0

ISC 27 11:25:33.9±0.3, 56°58S±0°07'24°91W±0°08, h10km, n126, ±1°03/10, mb5.0/20, MS4.1/22, 7C, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HOPE Hope Point, VNA1 Neumayer-Stat, VNA3 Neumayer Olymp, etc.

27d 11h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RPRD Ribas do Rio P, IPMB Iperani, G203 Chapadao do Su, etc.

2018 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BMAR Burnt Mountain, JNU Nakatusu, IL31 Eielson Array, etc.

1820

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like EKA Eskdalemuir Ar, RPNP Sopachiv, BRTH Keskin Array B, etc.

ellipse: s-maj=10.8km s-min=7.2km az=60.5
MOS Felt (III-IV) at Barguzin; (II-III) at Suvo.
BYK L 27 11:46:19.2-0.1, 53.57N, 109.12E, h21km, 2km, FELT

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

Table with columns: CMT, Chita, P, Mb, Time, Res, ISC. Lists seismic events with their epicenters and magnitudes.

Table with columns: TUP, Tupik, P, Mb, Time, Res, ISC. Lists seismic events with their epicenters and magnitudes.

27d 13h

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include SDV Prado, ORTCA Ortega, TOIJA, URMIC Bahia Malaga, etc.

IDC 27 12:09:35.9 1.1 56.42S:24.47W, h0km, mb4.0/3, mtbmp3.8/4, ML3.5/1, Error ellipse: s-maj=46.9km s-min=27.0km az=76.0

ISC 27 12:09:40.8 1.0 56.45S:02:24.4W 0.3, h33km, n6, +066/6, mb4.0/3, South Sandwich Islands region

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include SNAA Sanae, GSPA South Pole Qui, LPZA La Paz, TORD Torodi Ar. Bea, SONMI Songo Array, ILAR Eielson Array, etc.

IDC 27 12:26:19.2 0.5 56.49S:24.68W, h0km, mb4.6/11, mtbmp4.5/12, ML4.0/1, MS4.0/24, Error ellipse: s-maj=22.5km s-min=15.0km az=53.0

NEIC 27 12:26:21.3 1.3 56.65S:01:24.8W 0.1, h10km, 1km, mb5.1/30, Error ellipse: s-maj=22.2km s-min=12.1km az=182.0

ISC 27 12:26:21.0 0.4 56.55S:00:24.72W 0.09, h10km, n108, +1504/88, mb5.0/22, MS4.0/23, South Sandwich Islands region

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include HOPE Hope Point, VNA1 Neumayer-Stat, VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, SNAA Sanae, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include SNAA Sanae, TROLL Troll, Antarti, EFI East Falkland, PMSA Palmer Station, BELA Belgrano, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include PLCA Paso Flores, PLCA San Martin Ant, PLCA Torquist, PLTB Pedras Altas, PLCA Paso Flores, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include GSPA South Pole Qui, GSPA South Pole Qui, GSPA South Pole Qui, GSPA South Pole Qui, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include ITAB Itaboraí, PTGB Pitanga, CPUP Villa Florida, CPUP Villa Florida, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include LDASE Londrina, MAW Mawson, MAW Mawson, ZON Zond, SUR Sutherland, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include AQBQ Aquidauana, BQDN Bodoqueua, SBAZ Chapadão do MS, BDFB Brasília, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include BOSA Boshof, BOSA Boshof, BOSA Boshof, BOSA Boshof, etc.

2018 DEC

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include VILB Vilhena, LPAZ La Paz, LPZA La Paz, LPAZ La Paz, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include LPAZ La Paz, NPGBO Novo Progresso, ETMB Extrema, ETMB Extrema, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include RPN Rapa Nui, DBIC Dimbokro, BOAV Boa Vista, BOAV Boa Vista, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include COHC Cochancay, OTAV Otavalo, MBAR Mbarara, TORD Torodi Ar. Bea, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include RORD El Rosal, KMBO Kilima Boma, PCRV Puerto La Cruz, BAUV Santo Domingo, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include SDV Santo Domingo, SDV Santo Domingo, SDV Santo Domingo, SDV Santo Domingo, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include MDT Milet, PPT2 Papeete2, PPT2 Papeete2, PPT2 Papeete2, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include PPT Papeete, RAR Rarotonga, KEST Kesra, ESDC Sonseca Array, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include DZM Mont Dzumac, WRA Warramunga Arr, PDAR Pinedale Array, MOOW Moose Ponds, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include GMAR Chiang Mai Arr, GARM Garm, FINES FINESS Array B, GARD Wild Horse Val, etc.

1822

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include BOSA Boshof, BOSA Boshof, BOSA Boshof, BOSA Boshof, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include GOO2 Mina Guanaco, PB14 IPOC Station P, AF01 San Pedro de A, VYND Vanda, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include LBTL Loblatse, LBTL Loblatse, PTBL Pontes e Lacer, PTBL Pontes e Lacer, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include PB08 IPOC Station P, PB08 IPOC Station P, GO01 Chusmiza, GO01 Chusmiza, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include LPAZ La Paz, LPAZ La Paz, LPAZ La Paz, LPAZ La Paz, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include TORD Torodi Ar. Bea, TORD Torodi Ar. Bea, TORD Torodi Ar. Bea, TORD Torodi Ar. Bea, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include CMAR Chiang Mai Arr, YKA Yellowknife Riv, N32M Quiet Lake, ACH5M Satch Harbour, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include INK Inuvik, K29M Barlow Dome, G29M Pine Creek, BCAR Beaver Creek, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include SONMI Songo Array, N25K Chitina, I26K Coal Creek Min, P25K Christian River, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include ILAR Eielson Array, RND Reinder, TOLK Toolik Lake Riv, etc.

UPA 27 13:00:18.5 1.4 7.47N:80.58W, h4km, 7km, MW3.8, 2D, Panama

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include CCAO El Cacao, ACHO3 Achotines, AZU Azuero, MARI3 Mariato, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include MARI3 Mariato, PCRI3 Poci, PED3 Pedasi, PED3 Pedasi, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include GMAL Guarumal, STI43 Santiago, MESA3 La Mesa, MESA3 La Mesa, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include ZANG Zanguenga, UPA Univ. de Panam, BCIP Isla Barro Col, BCIP Isla Barro Col, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include TOTT Torti, TOTT Torti, etc.

IDC 27 13:32:23.8 3.9 6.84S:155.25E, h0km, mb3.5/3, mtbmp3.5/3, Error ellipse: s-maj=112.5km s-min=41.0km az=116.0, Bougainville-Solomon Islands region

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

IDC 27 12:42:29.7 0.7 56.54S:24.94W, h0km, mb4.2/8, mtbmp4.2/9, ML3.8/1, MS3.4/3, Error ellipse: s-maj=27.1km s-min=18.7km az=50.0

NEIC 27 12:42:34.2 2.0 56.75S:01:24.72W 0.09, h35km, 2km, mb4.7/19, Error ellipse: s-maj=18.3km s-min=5.4km az=157.0

ISC 27 12:42:34.9 0.5 56.61S:00:29.24W 0.01, h40km, n49, +0594/48, mb4.5/14, MS3.3/3, South Sandwich Islands region

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, SBAZ Chapadão do MS, SNAA Sanae, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include SNAA Sanae, TROLL Troll, Antarti, EFI East Falkland, PMSA Palmer Station, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include BELA Belgrano, SMAI San Martin Ant, SMAI San Martin Ant, TRQA Torquist, etc.

MOS 27 13:37:07.3 1.0 56.59N:155.07W, h29km, mb5.4/6/3, MS4.3/5, Error ellipse: s-maj=10.1km s-min=4.4km az=92.0

BJJ 27 13:37:08.0 5.6 60.0N:154.90W, h42km, mb5.0/6/4, mb5.3/18, MS4.9/23, Ms7 4.6/25

NEIC 27 13:37:09.4 1.9 56.43N:04:15.48W 0.07, h37km, 4km, Error ellipse: s-maj=6.8km s-min=4.7km az=139.0

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include MOS 27, BJJ 27, NEIC 27, MOS 27, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include AEIC 27, AEIC 27, AEIC 27, AEIC 27, etc.

Table with 5 columns: Code, Station Name, Az, Az, Phase ID, Time Res. Rows include NEIC 27, NEIC 27, NEIC 27, NEIC 27, etc.

27d 13h

2018 DEC

1824

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like G22K, F20K, EGAK, O30N, L29M, SIT, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like DLBC, DLBO, T35M, C23K, H31M, C24K, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like R11B, DUG, DUG, PDAR, PDAR, etc.

27d 13h

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like HOMB, ZSN, MTSE, XAN, etc.

2018 DEC

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like BUD, MOK, ZSN, etc.

1826

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like STU, TREC, KHC, etc.

Table with columns: PERS, PRED, OBKA, DRGR, SSB, GORS, CJR, MARR, CJR, CJR, LPL, CTI, LPGA, SABO, MORH, MORH, MORH, RAR, SIRR, BNI, LSA, LSA, GOF, GHR, TURR, DOPR, VRI, VRI, VRI, PLO, PLO, COVR, SURR, SIMJ, SIMJ, BZS, BZS, TNR, TNR, PCAB, MLR, MLR, DAV, LOT, PBRG, VOIR, VOIR, NEHR, GZR, GZR, SLVN, ARR, PTO, PTO, TLCR, TLCR, CFR, CFR, PVZL, KIV, KIV, KIV, KIV, HERR, MVO, MVO, TPGR, KBZ, KBZ, KBZ, KBZ, MDVR, SHAI, MAK, MAK, MAK, MAK, MAK, HARR, HARR, PVIS, TLBR, TIRR, TIRR, SDV, SOC, SOC, SOC, MTE, MTE, MTE, VLSR, PCAS, PCAS, PSBE, PSBE, PCBR, PCBR, BOVS, FDMO, CASP, NRCA, PMRV, PMRV, AKT, AKT, AKT, AKT, AKT, PMTG, CAMP, PESTR, PESTR, ESB, ESDC, ESDC, ESDC

Table with columns: PMG, PAB, PAB, EVO, PDR, PCRV, PUK, PBEJ, PBAR, DIKM, PTEO, PCVE, VAY, MORF, MORF, PFVI, TIR, TIR, TIR, PBDV, UBPT, OHR, PHA, PHA, CMAR, CMAR, CMAR, VSL, CUC, ANTO, BR10, BR13, BRTR, BRTR, BR10, BOR, PMPS, PMAR, TIP, TIP, KIRS, DZM, ITM, KEST, MDT, ATAH, KAPI, RPN, NNA, BATI, WRA, WRA, PSI, FITZ, ASAR, LEM, KMB, FOMA, HOPE, HOPE, QSPA, QSPA, BELA, BOSA, VNA3, VNA2, SNA, SNA, IDC 27 13:53:06.2, 10.49N, 92.65E, h0km, mb3.3/3, mbmtps.4/4, ML4.2/1, MS3.1/2, Error ellipse: s-maj=76.2km s-min=27.6km az=68.0, Andaman Islands region

Table with columns: NEIC 27 14:21:12.6, 61.33N, 150.12W, h45km, NEIC 27 14:21:12.2, 6.61.32N, 0.03:150.13W, 0.04, h45km, 3km, Error ellipse: s-maj=3.8km s-min=3.0km az=183.0, Moment Tensor Solution. Moment tensor: Scale 10^19Nm; Mr=0.84; Mw=0.35; Ms=1.19; Mo=0.33; Mv=0.37; Mu=1.64; Fault plane solution: Mo2.02000x10^16 NP1:phi=42.22000, delta=37.000, lambda=40.50000. NP2:phi=170.52000, delta=69.000, lambda=107.38000. Principal axes: T 2.1176, P1g29.0000, Azm274.0000; N -0.2182, P1g17.0000, Azm175.0000; P -1.8995, P1g56.0000, Azm58.0000; BGR 27 14:21:12.4, 61.80N, 150.58W, h46km, 3km, mb5.3, Ms3.7, GCMT 27 14:21:13.0, 61.26N, 150.37W, 0.04, h55km, 2km, MW4.8/1, Moment Tensor Solution. s32:c37: s91:c115; Duration: 0. Moment tensor: Scale 10^19Nm; Mr=1.54; Mw=1.02; Ms=1.64; Mo=0.42; Mv=0.67; Mu=0.8; Mr=1.52; 08: Best double couple: Mo2.34000x10^16 NP1:phi=184.0000, delta=68.0000, lambda=69.0000. NP2: phi=318.0000, delta=30.0000, lambda=131.0000. Principal axes: T 2.3420, P1g20.0000, Azm258.0000; N -0.0080, P1g20.0000, Azm355.0000; P -2.3380, P1g62.0000, Azm126.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rater function. NEIC 27 14:21:13.61.29N, 150.10W, h46km, Moment Tensor Solution. Duration: 1s4 Moment tensor: Scale 10^19Nm; Mr=1.09; Mw=0.03; Ms=1.07; Mo=0.65; Mv=1.59; Fault plane solution: Mo2.05000x10^16 NP1: phi=182.09000, delta=873.17000, lambda=139.26000. NP2: phi=309.49000, delta=47.000, lambda=139.50000. Principal axes: T 2.0055, P1g25.0000, Azm256.0000; N 0.0942, P1g20.0000, Azm356.0000; P -2.0997, P1g57.0000, Azm119.0000. AEIC 27 14:21:13.6, 61.29N, 150.10W, h46km, h35km, 3km, ML4.9, mb5.1, 256/NEIC/ML5.0/147/NEIC, Mw4.8/48/NEIC, Mw4.8/102/NEIC, Error ellipse: s-maj=3.3km s-min=2.8km az=175.0, ISC 27 14:21:11.6-0.3, 61.30N, 150.15W, 0.02, h47km, 2km, h46km, P-P, N862, phi=29/818, mb5.0/271, MS3.8/53, 30C-26D, SouthernAlaska

27d 14h

Table with columns for station code, name, elevation, distance, bearing, and other data. Includes stations like Sheep Creek Mo, Glacier Island, Styx River, etc.

2018 DEC

Table with columns for station code, name, elevation, distance, bearing, and other data. Includes stations like Gilahina Butte, Kayak Island, Big Mountain, etc.

1828

Table with columns for station code, name, elevation, distance, bearing, and other data. Includes stations like Ishlatina Cre, Moose Creek, Noodor Dome, etc.

Table with columns: Station ID, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like H29M, G15K, I30M, E21K, etc.

Table with columns: Station ID, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like T35M, UNV, WRGLY, TOAD, etc.

Table with columns: Station ID, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like ULM, ULM, ULM, ULM, etc.

Table with columns: Name, RA, Dec, Az, El, SNR, and other parameters. Includes entries like KPKS Kokpek, AKASG Malin Array Be, AKASG Malin Array Si, etc.

Table with columns: Name, RA, Dec, Az, El, SNR, and other parameters. Includes entries like RJOB Jochberg, KMPD K-Podolskiy, RETA Reutte, etc.

Table with columns: Name, RA, Dec, Az, El, SNR, and other parameters. Includes entries like ESDC Sonseca Array, ESDC San Pablo, PAB San Pablo, etc.

Table with columns for station name, time, and other parameters. Includes stations like NJ2 Nanjing, KRSR Korea Array, WRA Warramunga Arr, ASAR Alice Springs, and QSPA South Pole Qui.

IDC 27 14:34:51.9, 1.0, 55.49N; 164.44E, h0km, mb3.5/6, mtbmp3.5/7, ML2.7/1, Error ellipse: s-maj=55.0km s-min=18.4km az=155.0

KRSC 27 14:34:53.0, 8.55, 33N; 164.48E, h59km, 19km, ML3.9, ISC 27 14:34:55.0, 7.55, 34N; 164.48E, 0.05, h22km, n38, s=1825/45, mb3.7/8, Komandorsky Islands region

Main table for the first section, columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like BKI Bering, KBT Krutoberegovo, CIRR Tsirk, BZMR Bezymyannaya, etc.

Continuation of the main table with stations like RUS Russkaya, MTRV Mutnovka, GRL Gorely, KMSI Kamenskaya, ILAR Eielson Array, H11N2 WAKE ISLAND, etc.

ISK 27 14:36:47.7, 39.58N; 38.57E, h5km, ML4.1/26 AFAD 27 14:36:47.8, 0.0, 39.56N; 38.63E, h11km, 2km, MW4.1 IDC 27 14:36:49.0, 7.39, 99N; 38.36E, h0km, mb3.9/14, mtbmp3.9/21, ML3.8/7, MS3.2/3, Error ellipse: s-maj=19.5km s-min=8.6km az=157.0

NEIC 27 14:36:50.1, 2.0, 39.56N; 0.05, 38.58E; 0.05, h10km, 2km, mb4.2/26, Error ellipse: s-maj=9.2km s-min=7.2km az=178.0

Main table for the second section, columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like KEMA Kemalye, CUZAR Zara_SIVAS, KULT Kelkit, etc.

Main table for the third section, columns: Code, Station Name, Time, Res, ISC. Includes stations like URFA Urfa, ERZM Erzurum, CHZM Cayelli-Rize, etc.

NEIC 27 14:43:49.9, 1.6, 51.3N; 0.3, 178.1W; 0.3, h35km, 2km, mb3.9/27, Error ellipse: s-maj=49.1km s-min=17.3km az=327.0

IDC 27 14:43:55.0, 4.1, 51.76N; 178.60W, h80km, 42km, mb3.1/6, mtbmp3.6/7, ML3.8/11, MS3.1/1, Error ellipse: s-maj=55.6km s-min=23.4km az=1.0

ISC 27 14:43:51.1, 1.3, 51.6N; 0.2, 178.29W; 0.06, h45km, n51, s=1544/42, mb3.9/17, Andreadof Islands

Main table for the fourth section, columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like KIBW Kanaga Island, GSTR Great Sitkin T, ATKA Atka Island, etc.

Main table for the fifth section, columns: Code, Station Name, Time, Res, ISC. Includes stations like BTK Batken, BRVK Borovoye, BVAR Borovoye Arr, etc.

NEIC 27 14:43:49.9, 1.6, 51.3N; 0.3, 178.1W; 0.3, h35km, 2km, mb3.9/27, Error ellipse: s-maj=49.1km s-min=17.3km az=327.0

IDC 27 14:43:55.0, 4.1, 51.76N; 178.60W, h80km, 42km, mb3.1/6, mtbmp3.6/7, ML3.8/11, MS3.1/1, Error ellipse: s-maj=55.6km s-min=23.4km az=1.0

ISC 27 14:43:51.1, 1.3, 51.6N; 0.2, 178.29W; 0.06, h45km, n51, s=1544/42, mb3.9/17, Andreadof Islands

Main table for the sixth section, columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like OHAK Old Harbor, KDIAK Kodiak Island, C16K Lisburne Hills, etc.

comp=Z,1.4nm,0.5s,baz=178,slow=4.1

IDC 27 15:24:07.0,1.5,37.38N:20.67E,h0km,mb3.47,
mbmp3.47,MS4.3/1, Error ellipse: s-maj=35.2km
s-min=28.0km az=120.0
ATH 27 15:24:09.1,37.22N:20.63E,h8km,2km,ML3.2/11, Error
ellipse: s-maj=3.4km s-min=1.4km az=58.0
THE 27 15:24:09.0,37.22N:20.63E,h4km,2km,ML3.1/4, Error
ellipse: s-maj=2.6km s-min=0.4km az=48.0
NAO 27 15:24:10.6,37.50N:20.76E,h10km,mb3.3
ISC 27 15:24:09.1-1.7,37.23N:0.05:20.62E:0.06,h13km,10km,
n37,c0588/46,mb3.37,Ionian Sea

mbmp3.5/6,ML3.5/3,MS3.7/6, Error ellipse: s-maj=44.3km
s-min=26.5km az=65.0
NEIC 27 15:37:12.0,3.0,17.37N:0.04:100.70W:0.03,h41km,6km,
mb4.2/35,MD4.5/109(MEX), Error ellipse: s-maj=6.0km
s-min=4.3km az=201.0
MEX 27 15:37:13.8,1.0,17.26N:100.70W,h26km,10km,MD4.5
ISC 27 15:37:11.9,0.6,17.25N:0.03:100.74W:0.02,h45km,6km,
n144,c2844/209,mb4.0/11,MS3.7/4,Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LTHK Lithakia, KYPS Kipseli, ORTH Orthonies, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ATYC Atoyac, CAIG El Cayaco, CAIG El Cayaco, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CXUV Coxquihui, JALCOM JALCOMULCO, CHAMELA Chamela, etc.

IDC 27 15:32:48.9,2.9,22.88N:11.75W,h0km,mb3.9/5,
mbmp3.9/7,ML3.8/2, Error ellipse: s-maj=99.7km
s-min=27.8km az=84.0
ISC 27 15:32:49.7,2.4,22.88N:0.2:11.38W:0.5,h10km,n9,c054/9,
mb4.0/5,Mauritania

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TORD Torodi Ar. Bea, DBIC Dimbokro, GERES GERES Array B, etc.

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

IDC 27 15:54:42.0,9.9,56.26S:24.66W,h144km,92km,mb3.5/2,
mbmp3.9/3, Error ellipse: s-maj=55.6km s-min=34.8km
az=37.0
ISC 27 15:54:27.9,1.1,56.6S:0.2:24.4W:0.3,h33km,n11,
c037/37,C,South Sandwich Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VNA1 Neumayer-Stat, VNA3 Neumayer Olym, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like VNA2 Neumayer-Watz, SNAA Sanae, H10N1 ASCENSION HYDR93 10, etc.

NOU 27 16:00:44.7, 42.28S, 173.82E, h18km, MLV3,8/16, South Island, New Zealand
WEL 27 16:00:45.1, 0.43, 2.2, 17.4E, h5km, M3,3/8, ML3,5/8, MLV3,3/8, Error ellipse: s-maj=3.8km s-min=2.2km az=114.2, clipped

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like KIKS Kairoua, KHZ Kahutara, WDFS Ward Fire Stat, etc.

IDC 27 16:15:10.3, 1.8, 46.98N, 147.43E, h298km, 19km, mb3,0/8, mbmp3,7/11, Error ellipse: s-maj=22.4km s-min=16.5km az=132.0

IDC 27 16:15:10.1, 1.1, 47.00N, 02:147.5E, 0.1, h300km, n12, 0.061/12, mb3,3/8, Northwest of Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like ASAJ Asahikawa, PETK Petropavlovsk, USRK Ussuriysk Arr, etc.

IDC 27 16:24:44.6, 0.5, 56.50S, 24:66W, h0km, mb4,5/10, mbmp4,5/11, ML4,2/1, MS3,9/4, Error ellipse: s-maj=20.9km s-min=16.7km az=66.0

NEIC 27 16:24:45.2, 0.2, 56.7S, 0:1:24.9W, 0.2, h10km, 1km, mb5,1/43, Error ellipse: s-maj=19.9km s-min=15.4km az=21.0

IDC 27 16:24:45.6, 0.4, 56.61S, 0:08.24, 92W, 0.08, h10km, n126, 0.0598/19, mb5,0/27, MS3,8/4, 6C, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like HOPE Hope Point, VNA1 Neumayer-Stat, VNA3 Neumayer Olymp, etc.

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Table with columns: PMSA, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like Palmer Station, USHA Ushuaia, MG02 Cerro Sombrero, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like TBOT Tacuarembó, PLCA Paso Flores, PLCA Paso Flores, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like GSPA South Pole Qui, ITAB Itaboraí, LDASE Londrina, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like SUR Sutherland, AMB Amambói, DIAM Diamantina, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like LCO Las Campanas, AQDB Aquidauana, BDQN Bodoquena, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like GO02 Mina Guanaco, BO02 Boshof, BO02 Boshof, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like ARAG Araguaiana, VNA Vanda, VNA Vanda, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like H04S2 CROZET ISLANDS, H04S3 CROZET ISLANDS, H04S1 CROZET ISLANDS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like PB15 IPOC Station P, SALV Santo Antonio, PB06 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like LB7B Lobatse, PB01 IPOC Station P, PTLB Pontes e Lacer, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like VILB Vilhena, 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 LPAZ La Paz, NPGB Novo Progresso, ETMB Extrema, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like ETMB Extrema, CZSB Cruzeiro do Su, DBIC Dimbokro, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like BOAV Boa Vista, OTAV Otavalo, OTAV Otavalo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like KIBK Kibik, RUSC La Rusia, BAUV El Baul, etc.

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Table with columns: YKA Yellowknife Arr, N30M Faro, FARO Faro, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like N30M Faro, FARO Faro, N30M Faro, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like C24K Franklin Bluff, D24K Happy Valley, D24K Happy Valley, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like H04N1 CROZET ISLANDS, H04N2 CROZET ISLANDS, H04N3 CROZET ISLANDS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like OPO Ambohitratompo, MAW Mawson, MAW Mawson, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like H01W2 Cape Leeuwin H, H01W3 Cape Leeuwin H, H01W1 Cape Leeuwin H, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like GSPA South Pole Qui, VNA Vanda, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like STKA Stephens Creek, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like WRA Warramunga Arr, ILAR Eielson Array, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like NEIC 27 16:36:26.3, AEIC 27 16:36:26.3, ILSW Iliamna Southw, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like P19K Oil Pt, P19K Oil Pt, SPU Mount Spurr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like STLK Strandline Lak, STLK Strandline Lak, STLK Strandline Lak, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like PMR Palmer, Q19K Cape Douglas, Q19K Cape Douglas, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like Q19K Cape Douglas, MID Middleton Isla, MID Middleton Isla, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like L18K, J18K, I18K, COLA, IL31, IL4R, BCAR, J25K, I23K, CHGN, IMAR, H19K, I26K, EGAK, N30M, G21K, G23K, G24K, F21K, F20K, F24K, G27K, BMAR, F25K, E19K, E23K, E24K, F26K, E25K, TOLK.

IDC 27 16:41:05.3, 6.3, 4.775, 150.87E, h0km, mb3.3/3, mbtm3.3/3, MS2.7/1, Error ellipse: s-maj=197.2km s-min=36.5km az=104.0, New Britain region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GUMO, WRA, ASAR, MKAR.

NEIC 27 16:42:21.6, 2.5, 6.05, 0.1, 12.4W, 0.1, h10km, 1km, mb4.7/15, Error ellipse: s-maj=28.2km s-min=4.2km az=132.0

IDC 27 16:42:23.1, 5.3, 5.53S, 12.57W, h0km, mb4.0/7, mbtm4.0/8, ML3.2/1, MS3.2/3, Error ellipse: s-maj=160.5km s-min=77.4km az=148.0

ISC 27 16:42:21.0, 0.8, 6.05, 0.1, 12.4W, 0.1, h10km, n28, +1932/25, mb4.5/15, Ascension Island region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ASCN, H10N2, H10N1, H10N3, DBIC, TORO, TORD, LOKD, BOAV, VSL, ETMB, BNI, TUE, FUORN, DAVOX, BFO, BAUV, GEC2, GERES, VRAC, BRTR, KIEV, AKESG, AKBB, HFS, NC204, FINES, LDAO, DJA, NEIC, NDI, IDC, ISC.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DGPR, DGPB, DGPB, DGPB, PBA, PBA, PBA.

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Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PBA, PBA, PBA, CMBY, CMBY, CMBY, SRIT, BSI, CMB1, CMB2, CMB3, CMB4, CMAR, CMAR, CMAR, CHTO, PHRA, KULM, SNSI, AZL, AZL, AZL, IPM, UBPT, IMP, SHL, SHL, SHL, KOHI, KOHI, KNTI, KNTI, TCHN, TCHN, BOK, BOK, BOK, PALK, ZIRO, ZIRO, ZIRO, TAWA, TAWA, TAWA, TAWA, MYOM, SALM, SALM, SALM, TADONG, GTK, HYB, HYB, PZH, PZH, PZH, KOD, KOD, KOD, NGP, NGP, LSA, LSA, LSA, AKL, AKL, NRDN, NRDN, BHPL, BHPL, BHPL, JHNSI, JHNSI, MNAI, LGTI, KUDL, KUDL, ENH, ENH, ENH, KLP, KLP, LZH, LZH, LZH, DHRM, XAN, XAN, GTA, GTA, GTA, NJ2, NJ2, NJ2, KSH, KSH, KSH, HNS, HNS, HNS, WMQ, WMQ, WMQ, HHC, HHC, HHC, HHC, DRK, DRK, DRK, GAR, GAR, GAR, ARSB, CHGR, SIMJ, SIMJ, SIMJ, MK31, MKAR, MKAR, MKAR.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MKAR, SONM, SONM, SONM, KSRS, KSRS, KSRS, KURBB, KURBB, KURBB, ZAAO, ZAAO, ZAAO, FITZ, FITZ, FITZ, BVAR, BVAR, BVAR, ABKAR, ABKAR, ABKAR, WRA, WRA, WRA, WRAB, WRAB, WRAB, WBE2, ASAR, ASAR, ASAR, BRTR, BRTR, BRTR, TIXI, TIXI, TIXI, STKA, STKA, STKA, FINES, FINES, FINES, ARCES, ARCES, ARCES, GERES, GERES, GERES, HFS, HFS, HFS, SPITS, SPITS, SPITS, EKA, EKA, EKA, F20K, F20K, F20K, ILAR, ILAR, ILAR, PDAR, PDAR, PDAR, NVAR, NVAR, NVAR, TXAR, TXAR, TXAR, PLCA, PLCA, PLCA, CMIG, CMIG, CMIG.

IDC 27 16:47:25.7, 1.3, 0.95S, 130.88E, h0km, mb4.0/7, mbtm3.8/8, ML3.1/1, Error ellipse: s-maj=66.1km s-min=20.4km az=74.0

ISC 27 16:47:26.8, 1.2, 1.05, 0.2, 130.9E, 0.4, h10km, n10, +1925/10, mb3.9/8, Irian Jaya region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA, ASAR, CMAR, KSRS, KSRS, SONM, MKAR, ZALV, KURBB, BVAR.

IDC 27 16:47:31.3, 0.7, 5.6, 52S, 24.67W, h0km, mb4.3/6, mbtm4.2/7, ML3.9/1, MS3.9/3, Error ellipse: s-maj=36.3km s-min=19.4km az=61.0

NEIC 27 16:47:33.6, 1.6, 5.6, 68S, 0.09, 25.3W, 0.2, h10km, 1km, mb4.9/32, Error ellipse: s-maj=18.5km s-min=10.8km az=16.0

ISC 27 16:47:32.9, 0.5, 5.6, 64S, 0.09, 25.24W, 0.08, h10km, n72, +1910/72, mb4.8/20, MS3.9/3, I-44, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HOPE, HOPE, HOPE, VNA3, VNA2, SNA4, SNA4, SNA4, TROLL, TROLL, TROLL, PMSA, PMSA, PMSA.

Table of astronomical observations for 27d 17h, listing stations like BELA, SMAI, MG02, etc., with columns for station name, time, and other parameters.

Table of astronomical observations for 27d 17h, listing stations like WB2, YHNB, UBPT, etc., with columns for station name, time, and other parameters.

NEIC 27 16:50:12.2, 1.4, 61.35N, 0.04, 150.14W, 0.07, h37km, 21km, Error ellipse: s-maj=6.0km s-min=5.0km az=193.0

AEIC 27 16:50:11.1, 4.1, 61.31N, 0.03, 150.13W, 0.07, h20km, 7km, ML2.8, ML2.9/58(NEIC), Error ellipse: s-maj=4.9km s-min=3.9km az=129.0, Southern Alaska

Table of astronomical observations for 27d 17h, listing stations like PMR, STLK, SPU, etc., with columns for station name, time, and other parameters.

FUNV 27 17:03:27.3, 10.85N, 62.30W, h25km, MW4.2 ISC 27 17:03:25.0, 1.4, 10.87N, 0.04, 62.32W, 0.04, h105km, 13km, n28, c132/50, 5C-1D, Near coast of Venezuela

Table of astronomical observations for FUNV 27, listing stations like Code, Station Name, time, and other parameters.

NEIC 27 17:12:26.9, 1.0, 0.41N, 0.10, 122.6E, 0.11, h105km, 11km, mb4.2/6, Error ellipse: s-maj=24.3km s-min=6.0km az=56.0

ICD 27 17:12:29.3, 0.0, 0.33N, 122.66E, h126km, 27km, mb3.5/8, mbmp4.1/11, MS2.7/3, Error ellipse: s-maj=33.1km s-min=12.0km az=63.0

DJA 27 17:12:27.9, 0.2, 0.2N, 12.3E, h96km, 5km, M4.3/19, mb4.8/1, mb4.3/9, MLv4.3/19, Mw(mB)4.0/5

ISC 27 17:12:26.8, 0.5, 0.37N, 0.05, 122.58E, 0.05, h114km, n53, c1809/59, mb3.9/11, Minahassa Peninsula, Sulawesi

Table of astronomical observations for NEIC 27, listing stations like Code, Station Name, time, and other parameters.

ICD 27 16:48:17.0, 27.0, 3.17N, 128.00E, h258km, 108km, mb3.3/4, mbmp4.0/5, Error ellipse: s-maj=438.2km s-min=60.6km az=159.0

DJA 27 16:48:21.5, 0.4, 3.1N, 3.1E, h212km, 4km, M4.2/12, mb4.0/5, mb4.9/12, MLv4.4/12, Mw(mB)4.2/2

NEIC 27 16:48:21.2, 1.2, 2.7N, 0.1, 128.53E, 0.04, h232km, 9km, mb4.2/24, Error ellipse: s-maj=15.3km s-min=4.7km az=191.0

ISC 27 16:48:22.0, 6.2, 5.1N, 0.06, 128.42E, 0.07, h250km, n43, c1516/49, mb4.0/14, Malhalera

Table of astronomical observations for 27d 17h, listing stations like Code, Station Name, time, and other parameters.

DJA 27 16:50:47.4, 0.7, 1.8S, 137E, h10km, M3.7/6, mb4.1/1, MLv3.5/6, Irian Jaya region

Table of astronomical observations for DJA 27, listing stations like Code, Station Name, time, and other parameters.

ICD 27 17:12:26.9, 1.0, 0.41N, 0.10, 122.6E, 0.11, h105km, 11km, mb4.2/6, Error ellipse: s-maj=24.3km s-min=6.0km az=56.0

ICD 27 17:12:29.3, 0.0, 0.33N, 122.66E, h126km, 27km, mb3.5/8, mbmp4.1/11, MS2.7/3, Error ellipse: s-maj=33.1km s-min=12.0km az=63.0

DJA 27 17:12:27.9, 0.2, 0.2N, 12.3E, h96km, 5km, M4.3/19, mb4.8/1, mb4.3/9, MLv4.3/19, Mw(mB)4.0/5

ISC 27 17:12:26.8, 0.5, 0.37N, 0.05, 122.58E, 0.05, h114km, n53, c1809/59, mb3.9/11, Minahassa Peninsula, Sulawesi

Table of astronomical observations for 27d 17h, listing stations like Code, Station Name, time, and other parameters.

27d 18h

Table listing station names (e.g., SONM, MKAR, KURBB), station IDs, and various data points including coordinates, frequencies, and operational status. Includes sub-sections like 'BZS' and 'RONA'.

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Table listing stations CMAR and MKAR with details such as 'Chiang Mai Arr', 'Masabanchi Array', and associated coordinates and frequencies.

Table listing stations ILAR, ATH, and others, including 'Eileison Array', 'Manual Solution by A.Andreu First location:', and 'ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 2 km; Longitude uncertainty: 1 km, Ionian Sea'.

Table listing stations LTHX, KYPS, ORTH, and others, including 'Lithakia', 'Kipseli, Zakini', 'Orthonies,Zakini', and various station parameters and coordinates.

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Table listing stations DUNU, MASU, ERTU, and others, including 'Dundret', 'Masugnabyon', 'Ertisaerv', and various station parameters and coordinates.

Table listing stations KALU, HEF, TOF, and others, including 'Kalix', 'Hetta', 'Torino', and various station parameters and coordinates.

Table listing stations KEV, KU6, KU5, and others, including 'Kevo', 'Riekk', 'Rauvaara', and various station parameters and coordinates.

IDL 27 17:43:58.6; 1.5, 4.72S; 130.14E, h0km, mb3.6/4, mblmp3.6/6, ML3.6/2, MS2.7/1, Error ellipse: s-maj=56.1km s-min=28.6km az=75.0

DJA 27 17:44:29.0; 0.6 S; 4.12 E; h1374km, 18km, M4.0/12, mb3.8/3, mB4.7/2, MLV4.1/12, Mw(mB)3.9/2

ISC 27 17:44:31.9; 0.5, 5.87S; 0.07, 128.9E; 0.1, h350km, n14, a=1947/12, mb3.3/4, Banda Sea

Table listing stations NLAI, SAUI, FAKI, and others, including 'Namlea', 'Saumiaki', 'Fak F4k', and various station parameters and coordinates.

HEL 27 18:00:59.0; 2.6, 6.7N; 20.83E, h0km, ML1.9, Explosion

UPP 27 18:00:59.0; 2.1, 6.7N; 20.93E, h0km, ML2.2, Unknown

IDL 27 18:01:00.7; 1.1, 6.7N; 20.93E; 0.1, h0km, mblmp2.9/4, ML1.9/4, Error ellipse: s-maj=19.5km s-min=9.2km az=108.0

Table listing stations COEG, MTO3, LFRS, and others, including 'Centro de Oper', 'Montecristo', 'El Faro', and various station parameters and coordinates.

ISC 27 18:01:11.5; 2.3958N; 0.033815E; 0.02, h12km, 9km, n61, a=1948/68, mb3.7/17, MS3.1/3, IC-5D, Turkey

AFAD 27 18:01:11.2; 0.0, 39.57N; 38.62E, h7km, 2km, MW3.8

ICD 27 18:01:11.8; 0.8, 39.72N; 38.51E, h0km, mb3.6/11, mblmp3.5/18, ML3.3/7, MS3.0/6, Error ellipse: s-maj=18.9km s-min=9.4km az=157.0

Table listing stations EUZM, CUKAN, MAYA, and others, including 'Uzumli', 'Kangal_SIVAS', 'Malatya/Murzek', and various station parameters and coordinates.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Ruatahuna, Rimaahu, Mitea Rd, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Hornsund, Bjornoya, Bjornoya, etc.

BUI 27 18:49:42.8, 55.51N, 164.20E, h16km, mb4.5/50, mB5.1/23, Ms5.1/43, Ms7.4/8.42

KRSC 27 18:49:44.0, 1.4, 55.34N, 164.37E, h62km, 30km, Mc5.7, Ms1.0

IDC 27 18:49:43.0, 0.5, 55.40N, 164.26E, h0km, mb4.4/30, mbmp4.5/35, ML4.5/5, MS4.0/66, Error ellipse: s-maj=13.2km s-min=10.4km az=164.0

NEIC 27 18:49:44.2, 1.5, 55.4N, 0.1, 164.3E, 0.1, h10km, 1km, mb4.9/147, Error ellipse: s-maj=20.6km s-min=11.6km az=167.0

MOS 27 18:49:45.9, 0.9, 55.38N, 164.39E, h35km, mb5.1/40, MS4.4/12, Error ellipse: s-maj=5.7km s-min=4.3km az=87.7

GCMT 27 18:49:47.0, 2.3, 55.39N, 0.02, 164.35E, 0.03, h22km, 1km, MW4.9/100, Moment Tensor Solution. s30, c35; s100, c141; Duration: 0 Moment tensor: Scale 10^16Nm; Mn:0.15e-09; Mw:2.16e-09; M0:2.01e-09; Mm:0.42e-13; Mm:0.43e-07; Mm:1.16e-16; Best double couple: M2:44000x1016 NP1:35,00000; 878,00000; 725,00000; NP2:35,00000; 866,00000; 1,167,00000

ISC 27 18:49:46.9, 0.5, 55.36N, 0.03, 164.37E, 0.03, h29km, 2km, h29km; p-P, n626, c1955/610, mb4.9/173, MS4.2/87, 16C-12D, Komandorski Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Bering, Bering, Krutoberegovo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Pauzhetka, Shernya Is, Ala, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Severo-Kuril's, Severo-Kuril's, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Kamenskaya, Kamenskaya, Magadan, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Seymchan, Seymchan, Okha, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Gumbell, Gumbell, Yuzhno-Sakhal, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TNA, TNA, Kusilvak Mount, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Gornyy, Gornyy, Bering, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like F14K, F14K, ANM, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like M13K, M13K, J14K, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ASAJ, ASAJ, L14K, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like F15K, F15K, G15K, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like M14K, M14K, N14K, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like L15K, L15K, K15K, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H16K, H16K, S12K, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like C16K, C16K, G16K, etc.

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

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

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

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

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

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

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

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

DNK 27 18:43:20.6, 4.1, 71.42N, 10.91W, h25km, 39km, ML1.5 BER 27 18:43:22.0, 1.0, 71.47N, 10.30W, h0km, 65.1km, mb(Pn)3.6, ML2.4, ML1.5(DNK), Confirmed Earthquake

ISC 27 18:43:19.9, 0.9, 71.68N, 0.05, 10.81W, 0.05, h10km, n17, c158/25, Jan Mayen Island region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Jan Mayen West, Jan Mayen, Jan Mayen, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Danmarks Havn, Danmarks Havn, etc.

1843

Table with columns: Station ID, Name, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Status, and Notes. Includes stations like F18K Selawik, TEYK Ternek, O16K Kokwuk River B, etc.

2018 DEC

Table with columns: Station ID, Name, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Status, and Notes. Includes stations like E22K Anaktuvuk Pass, E22K Anaktuvuk Pass, E22K Anaktuvuk Pass, etc.

27d 18h

Table with columns: Station ID, Name, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Status, and Notes. Includes stations like I28M Miner Creek, YUK3 Moose Creek, DAWY Dawson, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like AKT Akhty, NDNV Novodnistrovsk, KAP Kappang, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like BFO Black Forest, LESA Schwarzelort, ECH Echternach, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like ATD Arta Tunnel, GSPA South Pole Guy, ELIB Princess Elisa, etc.

Table with columns: ID, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like N17K Nushagak Hills, Q18K Katmai Hardscr, J19K Poorman, etc.

Code Station Name Az Phase ID Time Res
BATI Baumata 5.20 245 Op ISC Pn 19 16 31.8 +0.6

IDC 27 19:15:15.4+5.3, 8.07S:128.35E; h220km, 55km, mb3.3/4, mbmp3.9/6, Error ellipse: s-maj=58.6km s-min=21.0km

ISC 27 19:15:14.2+1.2, 8.00S:109.128.4E:0.1, h200km, n8, #207/12, mb3.5/4, Banda Sea

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

IDC 27 19:26:42.5+1.7, 5.548N:163.80E, h0km, mb3.3/2, mbmp3.3/3, ML2.3/1, Error ellipse: s-maj=163.8km s-min=25.9km az=148.0, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PETK Petropavlovsk, ILAR Eielson Array, H11N2 WAKE ISLAND Hy, etc.

IDC 27 19:33:54.4+1.0, 54.98N:164.49E, h0km, mb3.7/10, mbmp3.7/11, ML2.0/1, MS3.1/3, Error ellipse: s-maj=21.7km s-min=17.2km az=155.0

KRSC 27 19:33:55.1+1.1, 54.79N:164.69E, h48km, 29km, ML4.1, ISC 27 19:33:57.3+2.5, 54.86N:164.72E:0.05, h22km, 19km, n43, #108/44, mb3.8/10, Komandorski Islands region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BKI Bering, KBTR Krutoberegovo, CIRR Tsirk, etc.

Table with columns: ID, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ESO SMAR, KRER, AVH, etc.

GCG 27 19:37:06.9+3.4, 15.12N:94.96W, h81km, 999km, MD4.8, IDC 27 19:37:11.3+1.3, 15.37N:93.77W, h0km, mb4.1/14, mbmp4.1/16, ML4.3/2, MS3.5/15, Error ellipse: s-maj=46.2km s-min=15.9km az=50.0

NEIC 27 19:37:14.5+2.8, 15.00N:0.07:94.33W:0.05, h30km, 2km, mb4.4/55, MD4.4/11(MEX), Error ellipse: s-maj=10.8km s-min=6.2km az=192.0

MEX 27 19:37:15.6+0.7, 14.95N:94.44W, h19km, 31km, MD4.5, CATAC 27 19:37:16.1+0.8, 14.84N:94.05W, h10km, MB5.2, mb5.2, ML4.4

ISC 27 19:37:14.4+0.6, 14.92N:0.05:94.40W:0.03, h35km, 3km, #166, #243/214, mb4.3/25, MS3.4/15, Off coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PCIG, HUIG, THIG, CMIG, etc.

IDC 27 19:37:14.4+0.6, 14.92N:0.05:94.40W:0.03, h35km, 3km, #166, #243/214, mb4.3/25, MS3.4/15, Off coast of Chiapas

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

IDC 27 19:37:14.4+0.6, 14.92N:0.05:94.40W:0.03, h35km, 3km, #166, #243/214, mb4.3/25, MS3.4/15, Off coast of Chiapas

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

Table with columns: ID, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like VHO Vista Hermosa, QUIS Sacapulas, FUG Fuego 3, etc.

IDC 27 19:37:14.4+0.6, 14.92N:0.05:94.40W:0.03, h35km, 3km, #166, #243/214, mb4.3/25, MS3.4/15, Off coast of Chiapas

IDC 27 19:37:14.4+0.6, 14.92N:0.05:94.40W:0.03, h35km, 3km, #166, #243/214, mb4.3/25, MS3.4/15, Off coast of Chiapas

IDC 27 19:37:14.4+0.6, 14.92N:0.05:94.40W:0.03, h35km, 3km, #166, #243/214, mb4.3/25, MS3.4/15, Off coast of Chiapas

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

IDC 27 19:37:14.4+0.6, 14.92N:0.05:94.40W:0.03, h35km, 3km, #166, #243/214, mb4.3/25, MS3.4/15, Off coast of Chiapas

IDC 27 19:37:14.4+0.6, 14.92N:0.05:94.40W:0.03, h35km, 3km, #166, #243/214, mb4.3/25, MS3.4/15, Off coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like JCT, SAND, TXAR, etc.

IDC 27 19:37:14.4+0.6, 14.92N:0.05:94.40W:0.03, h35km, 3km, #166, #243/214, mb4.3/25, MS3.4/15, Off coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TX31, BRDY, OZNA, etc.

27d 20h

Table of station data for 27d 20h, including columns for Name, Station Name, Azimuth, Phase ID, Time, Residuals, and various codes. Includes sub-sections for '27d 20h' and 'MCSM 27 19:39:40.2...'

2018 DEC

Main table of station data for 2018 DEC, listing station names, coordinates, and various parameters. Includes a header for 'ISC 27 19:46:10.4...' and a list of station names like TWC, TWC, ESAC, etc.

1848

Table of station data for 1848, listing station names like SNST, Tainan City, CHN1, and their respective coordinates and residuals.

NEIC 27 20:16:58.9... Error ellipse: s-maj=1.3km s-min=1.0km

HVO 27 20:16:59.1... Error ellipse: s-maj=1.1km s-min=0.4km

Table of station data for NEIC and HVO, including columns for Name, Station Name, Azimuth, Phase ID, Time, Residuals, and various codes. Lists stations like ALEP, ALEP, ALEP, etc.

DC 27 20:19:18.6... Error ellipse: s-maj=96.9km

ISC 27 20:19:24.1... Error ellipse: s-maj=9.8km

ISC 27 20:28:32.9... Error ellipse: s-maj=47.8km

SJA 27 20:28:34.5... Error ellipse: s-maj=47.8km

GWC 27 20:28:35.3... Error ellipse: s-maj=7.8km

SJA 27 20:28:34.5... Error ellipse: s-maj=47.8km

GWC 27 20:28:35.3... Error ellipse: s-maj=7.8km

NEIC 27 20:28:35.3... Error ellipse: s-maj=7.8km

27d 22h

Table listing station names and coordinates for the 27d 22h period, including stations like BMRM Brezner River, WACK Wrangell Chich, BPWAW Bear Paw Mtn, and others.

DJA 27 22:22:01.7 ± 0.5, 6°S 3' ± 13' 0E", h175km, 12km, M4.5/13, mb5.1/5, mb4.27, MLV4.7/13, Mw(mb)4.5/5, NEIC 27 22:22:02.6 ± 1.6, 6.33S, 0.07E, 130.23E, 0.08, h145km, 8km, mb3.18, Error ellipse: s-maj=11.8km s-min=9.9km az=74.0.

ISC 27 22:22:04.5 ± 2.5, 6.48S, 130.04E, h158km, 24km, mb3.6/8, mbtmp3.4/12, Error ellipse: s-maj=21.9km s-min=14.8km az=67.0.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h s ISC, h s Res, listing various seismic stations and their characteristics.

2018 DEC

Table listing station names and coordinates for the 2018 DEC period, including stations like AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, and others.

GCMT 27 22:35:17.0 ± 0.5, 8.98S, 0.02E, 108.54W, 0.03, h14km, 2km, MW4.8/2, Moment Tensor Solution. s11, c11; s82, c97; Duration: 0 Moment tensor: Scale 10¹⁹Nm; Mrr=0.24e-09; Mth=0.15e-08; Mbt=0.08e-09; Mtt=0.62e-22; Mts=1.48e-07; Mtr=0.87e-26; Best double couple: M=1.80600x10¹⁶ Np1=0.4, 0.0000°, δ73, 0.0000°, λ=-153, 0.0000°. NP2: φ=266, 0.0000°, δ64, 0.0000°, λ=-19, 0.0000°. Principal axes: T=1.6170, P1g=0.0000°, Azm133, 0.0000°, P=0.3760. P1g53, 0.0000°, Azm33, 0.0000°. Azm227, 0.0000°. NP2 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location: Angular moment-rate function.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h s ISC, h s Res, listing seismic stations and their characteristics.

1850

Table listing station names and coordinates for the 1850 period, including stations like PDAR Pinedale Array, YBH Yreka Blue Hour, MDP Montagnes des, and others.

IDC 27 22:57:00.7 ± 0.7, 34.50N, 45.62E, h0km, mb4.0/21, mbtmp3.9/28, ML3.5/7, MS3.2/14, Error ellipse: s-maj=17.0km s-min=16.0km az=161.0. TEI 27 22:57:02.9 ± 1.1, 34.47N, 45.71E, h11km, 15km, ML4.0. ISN 27 22:57:02.4 ± 1.1, 34.49N, 45.73E, h14km, 917km, ML4.0. NEIC 27 22:57:03.1 ± 1.6, 34.47N, 0.04E, 45.7E, 0.1, h10km, 1km, mb4.2/39, Error ellipse: s-maj=15.5km s-min=6.0km az=96.0.

OMAN 27 22:57:12.1 ± 1.2, 33.76N, 46.36E, h10km, mb4.0/27, ms3.1/1, Error ellipse: s-maj=20.7km s-min=9.8km az=43.0. ISC 27 22:57:03.6 ± 0.9, 34.38N, 0.03E, 45.74E, h0.83, h23km, 7km, n226, e284/246, mb4.1/48, MS3.1/10, BC-6D, Iran-Iraq border region.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h s ISC, h s Res, listing seismic stations and their characteristics.

Table with columns: BRTR, Name, Date, Time, Position, Azimuth, Altitude, Magnitude, etc. Includes rows like Keskin Array B, Garnain Island, JRN, SLWR, SHME, etc.

Table with columns: Name, Date, Time, Position, Azimuth, Altitude, Magnitude, etc. Includes rows like MARR Marisel-Cluj, MI28, KJAR Karatay Array, MDVR, BMR, etc.

Table with columns: Name, Date, Time, Position, Azimuth, Altitude, Magnitude, etc. Includes rows like BOSB, C23K, D22K, D23K, D27M, E22K, etc.

comp=Z:2.0m,0.6s,baz=287,slow=6.3,SNR=5.1 comp=Z:2.0m,0.6s BOSB Boshf 65.58 200 LR LR 23 40 13.6

IDC 27 23:19:02.7+6.3, 36.08N, 70.36E, h66km, 54km, mb3.5/9, mbmp3.9/14, ML3.6/5, Error ellipse: s-maj=44.4km

Code Station Name Az AZ Phase ID Time Res AML Almayashu 6.57 23 Op P 23 20 38.1 +3.5

SJA 27 23:22:26.0, 25.11S, -70.02W, h60km, ML3.6 GUC 27 23:22:26.1, 0.7, 25.16S, 69.81W, h80km, 3km, ML3.7

Table with columns: Code, Station Name, Az, AZ, Phase, ID, Time, Res. Includes rows like GO02, GO03, GO04, etc.

Table with columns: JTKR, JAR, JAR, JOB, JOB, JOB, JCH. Rows include Ashoroboto, Onbets, Churui.

SJA 28 00:17:18.5-0.0, 23.94S:66.75W, h232km, 4km, ML3.7, MW3.8

GUC 28 00:17:20.3-0.7, 23.94S:67.09W, h227km, 12km, ML4.2

ISC 28 00:17:20.4-0.7, 23.91S:0.04:66.80W, 0.04, h214km, 6km, n41, c1523/68, mb3.2/3.4, Jujuy Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include SALTA, San Lorenzo, AF01, AZAP.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include YJA, YJA, YJA, FSA, PB15, PB15, PB15, PB06, PB06.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include PB06, PB06, GO02, GO02, GO02.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include GO02, PB09, PB09, PB09.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include AHML, AHML, PB14, PB14, PB14.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include PB04, PB04, PB04, PB04.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include PB01, PB01, PB01, PB01.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include AC01, AC01, PB08, PB08, PB08.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include TA01, TA01, TA01, CYA, CYA.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include GO01, GO01, GO03, GO03, VCA, VCA.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include LPAZ, LPAZ, CPUP, CPUP, PLCA, PLCA.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include BDFB, BDFB, SNA, SNA, TORD, TORD.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include PDAR, PDAR, WRA, WRA, MKAR, MKAR.

JMA 28 00:21:31.5-0.2, 36.14N:0.7:138.0E:0.9, h225km, 1km, MV2.9/39, CENTRAL, NAGANO PREF

ISC 28 00:21:31.2-0.9, 36.43N:0.09:137.9E:0.1, h224km, 7km, n15, c0555/20, mb3.1/4, Eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include JNG, JNG, MAT, MAT, MAT, MAT.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include JRY, JRY, JYN, JYN, JAG, JAG.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include JSD, JSD, JHO, JHO, JMM, JMM.

Table with columns: USRK, MKAR, KURBB, BVAR, WRA. Rows include Ussuriysk Ar., Makanchi Array, Kurchatov Arr, Borovoye Array, Warramunga Arr.

ISC 28 00:25:41.8-1.6, 0.05S:126.36E, h0km, mb3.3/5, mbmtpp3.3/5, Error ellipse: s-maj=170.9km

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include WRA, ASAR, MKAR, KURBB, BVAR.

CNR 28 00:34:52.9, 36.23N:8.00W, h1km, IGL, 28 00:34:57.5, 36.42N:8.01W, h1.7km, ML1.8

INMG 28 00:34:58.1, 7.16, 36.43N:8.00W, h21km, 5km, ML1.7, Error ellipse: s-maj=4.3km s-min=2.8km az=77.0

ISC 28 00:34:57.1, 1.36, 42N:0.03:7.95W:0.04, h31km, 12km, n47, c1544/76, T, Strait of Gibraltar

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include PBVD, PBVD, PBVD, PBVD.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include PFVI, PFVI, PFVI, PVAQ, PVAQ.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include PVAQ, PVAQ, PVAQ, PVAQ, PVAQ.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include MORF, MORF, MORF, MORF, EGRO, EGRO.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include EGRO, EGRO, EGRO, EGRO, EGRO.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include EGRO, EGRO, EGRO, EGRO, PTEO, PTEO.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include PBEJ, PBEJ, PBEJ, PBEJ, PBEJ.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include EMIN, EMIN, EMIN, EMIN, EMIN.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include PBAR, PBAR, PBAR, PBAR, PBAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include EBO, EBO, EBO, EBO, EBO.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include PESTR, PESTR, PESTR, PESTR, PESTR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include ECAB, ECAB, ECAB, ECAB, ECAB.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include PMAFR, PMAFR, PMAFR, PMAFR, PMAFR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include ZHG, ZHG, ZHG, ZHG, ZHG.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include PSBE, PSBE, PSBE, PSBE, PSBE.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include EADA, EADA, EADA, EADA, EADA.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include EADA, EADA, EADA, EADA, EADA.

KRSC 28 00:42:22.6:1.9, 54.44N:164.21E, h48km, 40km, ML3.8

ISC 28 00:42:22.1:1.9, 54.64N:164.22E, h0km, mb3.6/6, mbmtpp3.5/7, ML2.2/1, MS2.5/1, Error ellipse: s-maj=57.6km

ISC 28 00:42:22.5:2.1, 54.49N:0.05:164.29E:0.08, h5km, 16km, n35, c2913/55, mb3.6/6, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include BKI, Bering, BKI, BKTR, BKTR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include KBG, Krutoberegovo, KBG, KBG, KBG.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include TUMR, Tumorok, TUMR, TUMR, TUMR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include BZP, Bezmyannyi-Pe, BZP, BZP, BZP.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include KIRR, Kiriyuchi, KIRR, KIRR, KIRR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include KIRR, KIRYUCHI, KIRR, KIRR, KIRR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include KIRR, KIRYUCHI, KIRR, KIRR, KIRR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include KIRR, KIRYUCHI, KIRR, KIRR, KIRR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include KIRR, KIRYUCHI, KIRR, KIRR, KIRR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include KIRR, KIRYUCHI, KIRR, KIRR, KIRR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include KIRR, KIRYUCHI, KIRR, KIRR, KIRR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include KIRR, KIRYUCHI, KIRR, KIRR, KIRR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include KIRR, KIRYUCHI, KIRR, KIRR, KIRR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include KIRR, KIRYUCHI, KIRR, KIRR, KIRR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include KIRR, KIRYUCHI, KIRR, KIRR, KIRR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include KIRR, KIRYUCHI, KIRR, KIRR, KIRR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include KIRR, KIRYUCHI, KIRR, KIRR, KIRR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include KIRR, KIRYUCHI, KIRR, KIRR, KIRR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include KIRR, KIRYUCHI, KIRR, KIRR, KIRR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include KIRR, KIRYUCHI, KIRR, KIRR, KIRR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Rows include KIRR, KIRYUCHI, KIRR, KIRR, KIRR.

Table with columns: Code, Name, Date, Time, and other details. Includes entries like NRDL Niedersach Rie, DOU Dourbes, MEM Membrach, etc.

Table with columns: Code, Name, Date, Time, and other details. Includes entries like FUORN Ofenpass-Fuorn, PCAB Cabril, VRAC Vranov, etc.

Table with columns: Code, Name, Date, Time, and other details. Includes entries like KMPD K-Podol'skiy, MARR Marisel-Ciuj, BURAN Bucovina Array, etc.

Table of station data for the 28-day period, including call signs (e.g., ASF, H19K, DLBC), station names (e.g., Jabal al Asfar, Roundabout Mou), frequencies, and various technical parameters.

Table of station data for the 2018 December period, including call signs (e.g., KMBO, NJ2, DLBC), station names (e.g., Kilima Mbogo, Nanjing), frequencies, and various technical parameters.

Table of station data for the 1856 period, including call signs (e.g., GERES, DAVOX, MORC), station names (e.g., Davos Tschingel, Moravsky Berou), frequencies, and various technical parameters.

28d 2h

Table with columns for station name, frequency, power, and other technical details. Includes stations like PMON Piamonte, BICOQ El Picacho, JAYA Jayaque, etc.

2018 DEC

Table with columns for station name, frequency, power, and other technical details. Includes stations like BURE Buenos Aires, DRKO Durika, PIRO Carate, etc.

1858

Table with columns for station name, frequency, power, and other technical details. Includes stations like RSSD La Paz, LPAZ La Paz, PD31 Pinedale Array, etc.

RSRP 28 02:52:04.9 18.62N-68.96W, h111km, 1km, MD3.5/22
SDD 28 02:52:05.7 2.0, 18.59N-68.94W, h112km, 11km, MD3.6,
ML3.5, MW3.5
OSPL 28 02:52:06.7 1.2, 18.40N-68.96W, h106km, 6km, ML3.3
NEIC 28 02:52:06.3 2.1, 18.5N-0.2-68.98W, 0.04, h93km, 12km,
ML3.4/30, MD3.5/22(RSPR), Error ellipse: s-maj=27.9km
s-min=5.3km az=183.0
ISC 28 02:52:04.2 1.3, 18.63N-109.69-00W, 0.03, h113km, 7km,
n88, s1566/107.31C-6D, Dominican Republic region
Code Station Name Az Phase ID Time Res
ISC H m s ISC
HIDR Higüey Centro 0.27 99f eP Pn 02 52 19.9 -0.3
HIDR HIDR 1f eSg Sn 02 52 31.1 -1.1
HIDR HIDR 1f eSg Sn 02 52 32.8
HIDR HIDR 1f eSg Sn 02 52 33.4
MIDR MIDR 1f eSg Sn 02 52 33.3 +0.4
MIDR MIDR 1f eSg Sn 02 52 35.0
HATOM Hato Mayor del 0.39 293f eP Pn 02 52 21.0 +0.2
HATOM Hato Mayor del 1f eSg Sn 02 52 33.5 +0.2
PCDR Punta Cana, DR 0.60 101 Pn 02 52 21.8 -0.2
PCDR PCDR 1f eSg Sn 02 52 35.3 -0.2
PCDR PCDR 1f eSg Sn 02 52 36.8

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC, and various station identifiers. Includes stations like Punta Cana, DR, Santo Domingo, and various locations in the Caribbean and South America.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC, and various station identifiers. Includes stations like Ransiki, Papua, Biak, Kaimana, and various locations in Southeast Asia and the Pacific.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC, and various station identifiers. Includes stations like Kappang, Kununura, Port Moresby, and various locations in Oceania and the Pacific.

28d 3h

Table with columns for flight codes (e.g., UGM, PSAO, BBJ), destinations (e.g., Wanaqama, Yogyakarta), times, and status indicators (P, I, S, etc.).

2018 DEC

Table with columns for flight codes (e.g., BKNI, ARMA, ARMA), destinations (e.g., Bangkinang, Armadale), times, and status indicators (P, I, S, etc.).

1860

Table with columns for flight codes (e.g., DZM, LHMI, SRSI), destinations (e.g., Mont Dzumac, Lhok Sumawe), times, and status indicators (P, I, S, etc.).

28d 3h

Table of station data for 28d 3h, including call signs like MQZ, SYZ, ULN, BFZ, etc., and their associated frequencies and parameters.

2018 DEC

Table of station data for 2018 DEC, including call signs like YAK, DHRM, THN, ZSN, etc., and their associated frequencies and parameters.

1862

Table of station data for 1862, including call signs like ATKA, SEM, CHMS, AAK, etc., and their associated frequencies and parameters.

28d 3h

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like MCK McKinley, TAOE Nuku Hiva Isla, and many others.

2018 DEC

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like AKT AKT, G26K Shejek River, and many others.

1864

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like KBZ comp=Z,2.4nm,0.8s, and many others.

Table of astronomical observations for 28 days, 4 hours. Columns include PAB, Station Name, RA, Dec, Az, Alt, and other parameters. Observations are listed for various stations like San Pablo, Breda, Adams, etc.

Table of astronomical observations for December 2018. Columns include Code, Station Name, RA, Dec, Az, Alt, and other parameters. Observations are listed for stations like Weston, Westport, CA, Casummet State, etc.

Table of astronomical observations for 1866. Columns include Code, Station Name, RA, Dec, Az, Alt, and other parameters. Observations are listed for stations like YVA, AZAP, PB15, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Petropavlovsk, Dalk, Ugllovaya, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Punta Cana, San Juan, San Juan, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TNSS, MTBS, DGS, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like MKAR, MAZK, DJR, PDGK, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like KURBB, KURBB, KURBB, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like FIA1, FIA1, FIA1, etc.

ADC 28 05:58:36.8:0.6,24:66N:142:61E,h0km,mb4.1/22, mbmp4.1/25,ML3.9/3,MS3.6/18,Error ellipse: s-maj=20.1km s-min=14.0km az=79.0, NEIC 28 05:58:36.8:1.4,24:57N,0:08:142:61E,0:1,h10km,1km, mb4.750,Error ellipse: s-maj=22.0km s-min=12.5km az=100.0

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like JCF, JCF, JCF, etc.

28d 7h

Table with columns: Station Name, Azimuth, Elevation, SNR, and Time. Includes stations like YAK Yakutsk, CMAR Chiang Mai Arr, CTAO Charters Tower, WRAB Tennant Creek, etc.

2018 DEC

Table with columns: Station Name, Azimuth, Elevation, SNR, and Time. Includes stations like HFS Hagfors, NB2 NORASR Subarra, NOA NORASR Array B, BRTR Keskin Array B, etc.

1870

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and Time. Includes stations like IDC 28 06:36, IDC 28 07:26, IDC 28 07:14, etc.

1871

Table with columns: MKAR, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes station data for Chiang Mai Arr, Ala-Archa, Makanchi Array, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes station data for H46RU, ZALV, KURBB, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes station data for ARGC, CRUC, SJCC, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes station data for H46RU, ZALV, KURBB, etc.

2018 DEC

Table with columns: ZALV, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes station data for Zalesovo Beam, Kurchatov Arra, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes station data for H46RU, ZALV, KURBB, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes station data for ECL, MASBT, TSMG, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes station data for CMAR, SONM, KSRs, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes station data for YAK, AKTO, NRIK, etc.

m62, s1517/89, mb3.8/3, Ionian Sea 28d 8h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes station data for LTHK, KURBB, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes station data for H46RU, ZALV, KURBB, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes station data for CMAR, SONM, KSRs, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes station data for CMAR, SONM, KSRs, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes station data for H46RU, ZALV, KURBB, etc.

28d 8h

Table with columns: Code, Station Name, Az, El, Pn, Res, Time, Res, ISC. Includes stations like ZAAO, ZALV, KURBB, MK31, MKAR, MKAR.

ATH 28 08:49:24.4, 37.28N:20.84E, h11km, 1km, ML3.4/10, Error ellipse: s-maj=1.8km s-min=0.8km az=48.0

THE 28 08:49:24.8, 37.31N:20.83E, h0km, 1km, ML3.5/14, Error ellipse: s-maj=2.1km s-min=0.5km az=227.0

BEO 28 08:49:25.3, 1.0, 37.31N:21.03E, h0km, ML3.6/5

IDC 28 08:49:28.8, 3.5, 37.34N:20.94E, h39km, 35km, mb3.4/7, mbtmp3.5/11, ML3.8/2, MS2.8/9, Error ellipse: s-maj=36.7km s-min=21.2km az=16.0

ISC 28 08:49:24.7, 1.2, 37.29N:0.03:20.88E:0.03, h10km, 8km, n114, e1917/140, mb3.6/7, MS2.7/4, Ionian Sea

Main table of station data for the 28d 8h period, including codes like LTHK, KYPS, ORTH, etc., and station names like Lithakia, Kipseli, Zakin, etc.

2018 DEC

Table of station data for 2018 DEC, including codes like EVR, LOUT, KRND, etc., and station names like Evrytania, Loutraki, etc.

IDC 28 08:51:31.2, 0.5, 6:79N:72.95W, h151km, 5km, mb3.9/17, mbtmp4.3/22, MS2.4/2, Error ellipse: s-maj=1.8km s-min=1.7km az=131.0

VAO 28 08:51:32.1, 6.0, 6:72N:72.98W, h146km, 9km, mb4.3, NEIC 28 08:51:32.5, 1.3, 6:67N:0.08:72.93W:0.08, h162km, 8km, mb4.5/46, Error ellipse: s-maj=12.7km s-min=10.5km az=132.0

RSNC 28 08:51:32.0, 7.1, 7:30N:1.7:37W, h149km, 2km, M4.2, mb4.7, mb4.9, ML3.9, Mw(MB)4.2

ISC 28 08:51:31.4, 0.5, 6:81N:0.03:73.06W:0.03, h153km, 4km, n149, e1945/205, mb4.5/42, Northern Colombia

Main table of station data for the 2018 DEC period, including codes like I46RU, ZALV, KURBB, etc., and station names like Zalesovo, Kurchatov, etc.

1872

Main table of station data for the 1872 period, including codes like RUSC, TAME, etc., and station names like Tame, Arauca, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like HBVL Hebronville, WVW Waverly, X40A Basin Creek Fa, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like JNG Nsakai, MJAR Matsushiro Arr, MAJO Matsuhiro, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ML2.5/3, I46RU ZALESOVO INFRA, ZAAO Zalesovo Array, etc.

JMA 28 09:01:48.7, 0.2, 36.2N, 0.8, 138.4E, 1.0, h189km, 1km, MV3.2/31, EASTERN NAGANO PREF, IDC 28 09:01:49.1, 3.4, 36.0N, 137.62E, h170km, 12km, mb3.4/4, IDC 28 09:10:23.1, 2.9, 54.52N, 86.50E, h0km, mbtm3.0/3, IDC 28 09:37:45.7, 8.2, 30N, 71.23W, h5km, MW3.4, R3NC 28 09:37:46.3, 0.0, 9.2N, 71.1W, h43km, 8km, M2.7, mb4.2, mb4.3, ML2.5, Mw(mb)3.4, IDC 28 09:37:42.9, 1.3, 9.04N, 0.03, 71.20W, 0.02, h4km, 1.1km, n23, c173/42, 2C-3D, Lake Maracaibo, IDC 28 09:37:48.1, 4.0, 53.89N, 91.10E, h0km, mbtm2.8/2, ML2.2/2, Error ellipse: s-maj=36.1km s-min=26.7km az=26.0, Southwestern Siberia, I46RU ZALESOVO INFRA 3.71 274 Op I ISC h m s ISC 09 59 13.0, ZALV Zalesovo Beam 3.71 273 Pg I P 09 58 53.8 -0.7, ZALV 0.6nm, 0.3s, baz=87, slow=17, SNR=6.0, ZALV 0.6nm, 0.3s, baz=86, slow=27, SNR=5.6, KURBB Kurchatov Arr 8.37 252 Pn P 09 59 50.7 +0.1, KURBB 0.1nm, 0.3s, baz=67, slow=25, SNR=6.2, KURBB 0.1nm, 0.3s, baz=67, slow=25, SNR=6.2, BVAR Borovoye Array 10.29 264 Pn P 09 59 50.5 +0.5, MKAR Makanchi Array 9.05 222 Pn P 09 59 42.34.9, MKAR 0.1nm, 0.3s, baz=39, slow=10, SNR=2.1, MKAR 0.1nm, 0.3s, baz=32, slow=23, SNR=3.6, IDC 28 09:46:11.4, 3.0, 53.75N, 87.11E, h0km, mbtm2.6/2, ML2.3/2, Error ellipse: s-maj=28.8km s-min=17.5km az=68.0, Southwestern Siberia

28 9h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Zalesovo, KURBBS Kurchatov Arra, MKRAR Makanchi Array.

IDC 28 09:48.46:2.0, 0.78N:125.00E, h0km, mb3.3/3, mbtmp3.3/3, Error ellipse: s-maj=198.0km s-min=26.7km az=64.0, Northern Molucca Sea

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alca Springs, MKRAR Makanchi Array.

IDC 28 09:57:17.9:0.5, 54.89N:164.83E, h0km, mb4.3/26, mbtmp4.3/26, ML4.1/3, MS3.3/19, Error ellipse: s-maj=16.5km s-min=10.9km az=157.0

KRSC 28 09:57:18.9:1.2, 54.78N:164.73E, h49km, mb4.5, NEIC 28 09:57:19.9:1.4, 54.89N:164.74E:0.09, h10km, mb4.5/209, Error ellipse: s-maj=12.7km s-min=4.5km az=222.0

MOS 28 09:57:21.8:1.1, 54.83N:164.71E, h42km, mb4.7/26, Error ellipse: s-maj=7.0km s-min=5.8km az=81.6

ISC 28 09:57:21.6:0.8, 54.85N:164.78E:0.04, h23km, mb5.0, n55.0, o83/542, mb4.5/140, MS3.3/17, 11C-ID, Komandorski Islands region

Main table listing station codes (BKI, Bering, KBTR, etc.) and their corresponding azimuth, phase, ID, time, and resolution data.

2018 DEC

Main table listing station codes (K15K, H16K, M15K, etc.) and their corresponding azimuth, phase, ID, time, and resolution data.

1874

Main table listing station codes (I20K, K20K, D20K, etc.) and their corresponding azimuth, phase, ID, time, and resolution data.

1875

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like KNK, SML, E24K, COLA, etc.

2018 DEC

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like D28M, DAWY, H29M, O28M, etc.

28d 9h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like NJ2, YKA, YKA, YKAB2, etc.

28d 10h

Table of meteorological data for 28d 10h, listing station names, coordinates, and various parameters like elevation and wind speed.

2018 DEC

Table of meteorological data for 2018 DEC, listing station names, coordinates, and various parameters like elevation and wind speed.

1876

Table of meteorological data for 1876, listing station names, coordinates, and various parameters like elevation and wind speed.

MSVF Nonsavu 53.43 113 LR LR 11 10 47.4

IDC 28 10:46:01.2,5.2,39.51N:65.75E,h0km,mb3.6/1, mbmp3.4/3,ML3.0/2, Error ellipse: s-maj=142.7km

SOME 28 10:46:07.2,39.65N:67.60E,h20km

SOME 28 10:46:08.7,3.5,39.98N:67.46E,h2km,18km,mb4.2, mpv3.8, Error ellipse: s-maj=29.4km s-min=23.0km az=123.0

ISU 28 10:46:11.9,39.86N:67.52E,h4km

ISC 28 10:46:13.2,1.3,40.03N:0.05:67.34E:0.05,h2km,11km, n24,r1561/37,3C-1D,Southeastern Uzbekistan

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists various stations like DZI, SAM, BXL, etc.

IDC 28 11:15:00.9,1.5,5.94S:130.87E,h0km,mb4.4/3, mbmp4.0/6,ML3.5/3,MS2.5/1, Error ellipse: s-maj=85.2km

ISC 28 11:15:05.4,1.4,6.45S:0.1:130.6E:0.2,h35km,n7,r282/9, mb4.5/3,Banda Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like FITZ, WRA, ASAR, STKA, etc.

IDC 28 11:17:56.9,1.5,38.95N:140.44E,h0km,mb3.8/3, mbmp3.6/4,ML2.2/1, Error ellipse: s-maj=29.3km

JMA 28 11:18:03.0,0.1,38.1N:0.2:140.8E:0.4,h98km,MV3.5/40, SOUTHERN MIYAGI PREF

NEIC 28 11:18:04.2,0.8,38.29N:0.07:140.60E:0.05,h86km,6km, mb4.2/6, Error ellipse: s-maj=10.1km s-min=5.9km az=176.0

ISC 28 11:18:03.7,0.8,38.10N:0.04:140.76E:0.05,h103km,6km, n42,r1515/49,mb4.2/7,Eastern Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like JMM, JMT, JMS, etc.

Table with columns: JNS, JAW, JRG, etc. Lists stations and their coordinates and times.

NEIC 28 11:29:09.6,1.9,61.40N:0.03:150.09W:0.07,h14km,7km, Error ellipse: s-maj=4.9km s-min=4.0km az=129.0

AEIC 28 11:29:10.1,1.3,61.34N:0.03:150.08W:0.06,h37km,6km, ML2.6,ML2.8/104(NEIC), Error ellipse: s-maj=4.6km s-min=4.0km az=166.0,Southern Alaska

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like FIS, RC01, SUA, etc.

Table with columns: M24K, ILSW, DIV, etc. Lists stations and their coordinates and times.

IDC 28 11:47:01.9,0.5,15.26N:120.76E,h174km,4km,mb4.0/22, mbmp4.5/22,MS2.8/2, Error ellipse: s-maj=16.0km

NEIC 28 11:47:02.0,0.1,8,15.32N:0.06:120.7E:0.1,h166km,4km, mb4.6/118, Error ellipse: s-maj=15.3km s-min=8.4km az=73.0

DJA 28 11:47:03.0,0.5,15.1N:3.12'E:1,h191km,7km,MS.0/19, mb5.3/7,mb4.9/19,MLV5.2/1,Mv(m)4.8/7

ISC 28 11:47:01.4,0.3,15.29N:0.04:120.68E:0.07,h166km, n458,r099/450,mb4.5/9,1D,Luzon

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like TGY, SWP, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like HNS HongShan, KSAR Wonju Array Be, KSRS Korea Array, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like BRVK Borovoye, ARPS Mount Arapies, TIXI Tikisi, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like C21K Knifeblade Rid, H20K Anotleneega Mo, O18K Koktuh Hills, etc.

28d 13h

2018 DEC

1882

Table with columns: SEW, Seward, 39.59, 44, P, P, 13 10 58.4, -0.2, ...

Table with columns: H27K, Steamboat Moun, 42.66, 34, P, P, 13 11 25.9, +2.1, ...

Table with columns: N32M, Quiet Lake, 47.31, 40, IAmb, IAmb, 13 12 02.9, ...

28d 13h

Table of station data for 28d 13h, including station names like KIV, KBZ, RDMU, PLTM, etc., and their associated parameters such as frequency, power, and status.

2018 DEC

Table of station data for December 2018, including station names like SMART, JASK, LUBAR, etc., and their associated parameters.

1884

Table of station data for 1884, including station names like NEGRR, NIE, PANO, etc., and their associated parameters.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like MTUR Matau, VRAC Vranov, and various other stations.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like WME Myndd Eilian, BNL Membach, and various other stations.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like CCM Cathedral Cave, OZNA Ozona, and various other stations.

2018 DEC

1886

Table with columns: LK2D, LK13h, Station Name, Az, El, P, Res, Time, Res, ISC, h, m, s, ISC. Includes stations like Lefkada island, Quistinic, Adirondack Com, etc.

Table with columns: Station Name, Az, El, P, Res, Time, Res, ISC, h, m, s, ISC. Includes stations like Bocatomia Ro, AOODB Aquidauana, SNAAS, etc.

Table with columns: Station Name, Az, El, P, Res, Time, Res, ISC, h, m, s, ISC. Includes stations like SANI Sanana, WRA Warramunga Arr, ASAR Alice Springs, etc.

Additional station information and coordinates: IDC 28 13:36:29.0, 13.68N, 120.90E, h146km, mb3.9/16, mbtm4.3/17, MS3.1/1, Error ellipse: s-maj=26.4km s-min=10.5km az=71.0

NNC 28 13:58:24.4-8.2, 36.77N-71.26E, h153km, 152km, mb3.2, mpv4.0, Error ellipse: s-maj=121.7km s-min=48.1km az=44.0

ISC 28 13:58:20.8-2.4, 36.55N, 71.27E, 0.2, h100km, n10, 0.15/10, mb3.9/3, C, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Rows include KK31 Karatay Array, TKM2 Tokmak 2, MKAR Makanchi Array, AB31 Akbulak array, BVAR Borovoye Array, ZALV Zalesov Beam, FINES FINES Array B, HFS Hagfors, NOA NORSAR Array B, MA2 Magadan.

CATAC 28 13:59:04.0-8.9, 13.70N, 91.34W, h10km, ML3.6, SNET 28 13:59:08.7-1.3, 13.56N, 90.95W, h105km, 35km, ML2.9, GCG 28 13:59:11.9-0.3, 14.32N, 91.34W, h34km, 3km, MD3.5, ISC 28 13:59:01.9-2.4, 13.64N, 0.09, 91.37W, 0.08, h14km, 11km, n20, 0.096/31, Near coast of Guatemala

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Rows include SUGL Suchitepequez, FULM Fuego 3, STG3 Santiaguillo 3, SOKI Kika Raqxin, NBG Las Nubes, NUBE Las Nubes, LOAL Lomas de Alarc, SLOZ Alcaidía de Sa, QUIS Sacapulas, QUIV Cerro Verde, SBL5 San Blas, SBL5 San Jose, JAYA Jayaque - f1nc, PMON Piamonte, MTO3 Montecristo, PACA Pacayal.

NNC 28 14:13:27.9-7.6, 37.17N, 71.07E, h0km, mb3.6, mpv3.3, 1C-2D, Error ellipse: s-maj=130.7km s-min=47.5km az=101.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Rows include KK31 Karatay Array, AB31 Akbulak array, AKTO Aktyubinsk.

ISC 28 14:20:38.0-1.8, 37.37S, 74.42W, h0km, mb3.4/2, mbmp3.4/3, ML3.5/1, MS2.4/1, Error ellipse: s-maj=59.5km s-min=18.9km az=51.0, GUC 28 14:20:37.4-0.7, 37.19S, 74.28W, h37km, 4km, ML3.6, ISC 28 14:20:37.1-1.1, 37.24S, 0.06, 74.18W, 0.05, h10km, n19, 0.184/20, 2C, Off coast of central Chile

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Rows include BI05 Punta Hualp, LC02 Puerto Saavedr, BO03 Pichilemu, BO02 Sierra Bellavi, BO01 Tuncas, PLCA Paso Flores, PLCA Curarehue, BO03 Pichilemu, BO02 Sierra Bellavi, BO01 Tuncas, PLCA Paso Flores, PLCA Curarehue, H03S1 Juan Fernandez, H03S3 Juan Fernandez, H03S2 Juan Fernandez, H03N3 Juan Fernandez, H03N1 Juan Fernandez, H03N2 Juan Fernandez, LPAZ La Paz.

comp=N, 1.8nm, 0.8s, baz=196, slow=11, SNR=3.9, comp=N, 1.8nm, 0.8s

PPT Papeete 68.12 264 LR LR 14 54 39.0, TXAR Lajjat array 71.233 P P 14 32 03.1 +2.8

ISC 28 14:25:20.5-1.0, 40.16S, 77.65E, h0km, mb4.0/9, mbmp4.0/9, MS3.8/5, Error ellipse: s-maj=33.9km s-min=21.5km az=103.0, GCMT 28 14:25:20.0-4.0, 40.11S, 0.03, 77.10E, 0.03, h26km, 1km, MW4.9/71, Moment Tensor Solution, s19,c21, s71,c88, Duration: 0 Moment tensor. Scale 10^10Nm; Mr-1.86E; 27; Mw-1.0E; 16; Mv-2.9E; 18; Mm0.33E; 34; Mm0.08E; 12; Mv-0.43E; 23; Best double couple: M2.48300x10^16 NP1: 0.342, 0.00000, 0.53, 0.00000, -1.13, 0.00000. NP2: 0.5198, 0.00000, 0.43, 0.00000, -1.62, 0.00000. Principal axes: T 2.9610, P1g5.0000, Azm88.0000; N -0.9570, P1g18.0000, Azm357.0000; P -2.0040, P1g71.0000, Azm194.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location Triangular moment-rate function

ISC 28 14:25:22.2-1.0, 40.22S, 0.2, 77.7E, 0.2, h10km, n20, 0.087/9, mb4.0/9, MS3.7/5, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Rows include H04N2 CROZET ISLANDS, H04N3 CROZET ISLANDS, H04N1 CROZET ISLANDS, H01W2 Cape Leeuwin, H01W3 Cape Leeuwin, H01W1 Cape Leeuwin, OPO Ambोधiatompo, LEM Lembang, SNA4 Sanae, ASAR Alice Springs, VNDA Vanda, GQSA South Pole Qui, STKA Stephens Creek, WRA Warramunga Arr, KMBO Kilima Mbogo, TSMU Tsumeb, MBAR Mbarara, CMAR Chiang Mai Arr, MKAR Makanchi Array, KURBB Kurchatov Arr, NNC 28 14:27:39.8, 45.25S, 167.39E, h44km, mb4.1/11, Vanuatu Islands, VANUV Sarautout, DVP Deep Point, KOUNC Koumang New Ca, YOUNC Mamie plateau, NZUM Mont Dumac, DZM Port Laguerre, ONTNC Ouen Toro, ONTNC Ouen Island, N

ISC 28 14:35:33.7-0.9, 40.13S, 77.81E, h0km, mb4.0/10, mbmp4.0/10, MS4.0/24, Error ellipse: s-maj=29.5km s-min=21.8km az=103.0, GCMT 28 14:35:38.0-0.3, 40.01S, 0.02, 77.10E, 0.03, h26km, 1km, MW4.9/73, Moment Tensor Solution, s15,c16; s73,c87, Duration: 0 Moment tensor. Scale 10^10Nm; Mr-1.32E; 11; Mw-1.87E; 13; Mv-3.18E; 15; Mm0.04E; 27; Mv-0.55E; 11; Mv-0.36E; 22; Best double couple: M2.60200x10^16 NP1: 0.39, 0.00000, 0.82, 0.00000, -1.8, 0.00000. NP2: 0.5129, 0.00000, 0.82, 0.00000, -1.78, 0.00000. Principal axes: T 3.2650, P1g4.0000, Azm84.0000; N -1.3370, P1g81.0000, Azm204.0000; P -1.9390, P1g8.0000, Azm353.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location Triangular moment-rate function

ISC 28 14:35:35.3-0.8, 40.22S, 0.1, 77.8E, 0.2, h10km, n37, 0.083/10, mb4.1/10, MS4.0/24, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Rows include H04N2 CROZET ISLANDS, H04N1 CROZET ISLANDS, H04N3 CROZET ISLANDS, MAW Mawson, H01W2 Cape Leeuwin, H01W3 Cape Leeuwin, H01W1 Cape Leeuwin, H01W0 Narrogin (SRO), H08S2 Diego Garcia H, H08S3 Diego Garcia H, LEM Lembang, BOS Bouaf, LBTB Lobatse, SUR Sutherland, PALK Palkeleke, ASAR Alice Springs, SNA4 Sanae, VNDA Vanda, GQSA South Pole Qui, STKA Stephens Creek, STKA Alice Springs.

WRA Warramunga Arr 51.99 85 P P 14 44 44.9 -0.1

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Rows include KMBO Kilima Mbogo, TSMU Tsumeb, MBAR Mbarara, CTA Charters Tower, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, BRDH Bariadhala, RPZ Rata Peaks, PMSA Palmer Station, URZ Urewera, DZM Mont Dumac, AAK Ala-Ara, MKAR Makanchi Array, MKAR Makanchi Array, TORO Tororo Arr, TORO Tororo Arr, DBIC Dimbokro, KURBB Kurchatov Arr, VAE Valguaruna.

ISC 28 14:36:44.0-0.9, 21.55S, 171.36E, h0km, mb4.3/8, mbmp4.4/11, ML4.5/3, MS3.9/24, Error ellipse: s-maj=25.1km s-min=20.3km az=164.0, NEIC 28 14:36:46.6-1.7, 21.37S, 0.08, 171.34E, 0.09, h10km, 1km, mb4.8/23, Error ellipse: s-maj=18.5km s-min=7.0km az=310.0, NOU 28 14:36:48.6, 21.56S, 171.15E, h0km, mb4.8/18, Southeast of Loyalty Islands, GCMT 28 14:36:49.6-0.4, 21.30S, 0.02, 171.39E, 0.02, h12km, MW4.9/66, Moment Tensor Solution, s13,c17; s66,c92, Duration: 0 Moment tensor. Scale 10^10Nm; Mr-0.94E; 12; Mw-2.89E; 10; Mv-1.95E; 09; Mm1.73E; 34; Mm0.06E; 10; Mv-1.08E; 31; Best double couple: M3.20400x10^16 NP1: 0.306, 0.00000, 0.80, 0.00000, -1.45, 0.00000. NP2: 0.46, 0.00000, 0.84, 0.00000, -1.66, 0.00000. Principal axes: T 3.5760, P1g22.0000, Azm4.0000; N -0.7490, P1g44.0000, Azm11.0000; P -2.8320, P1g38.0000, Azm25.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 28 14:36:46.3-0.5, 21.38S, 0.08, 171.39E, 0.06, h10km, n116, 0.184/87, mb4.8/30, MS4.0/22, 2C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Rows include MARNC Mare, Loyalty, MARNC Mare, Loyalty, YATNC Mamie plateau, YATNC Mamie plateau, OUENC Ouen Island, N, OUENC Ouen Island, N, DZM Mont Dumac, DZM Mont Dumac, DZM 272nm, 1.4s, DZM 2um, 26.1s, DZM Mont Dumac, DZM 18nm, 0.3s, baz=86, slow=16, SNR=103, DZM 191nm, 0.8s, DZM Mont Dumac, DZM Mont Dumac, ONTNC Ouen Toro, ONTNC Ouen Toro, ONTNC Ouen Toro, ONTNC Port Laguerre, KOUNC Koumang, New Ca, MSVF Nonsau, NFK Norfolk Island, OUZ Omahuta, HNR Honiara, URZ Urewera, URZ Urewera, RTZ Rutahuna, BKZ Black Stump Farm, EIDS Eidsvold, MRZ Mangataoina R, BFZ Birch Farm, BFZ Birch Farm, ARMA Armadillo, MSW Moikau Station, KHZ Kahutara, INZ Inchuris, RPZ Rata Peaks, CTA Charters Tower, CAN Canberra, CAN Canberra, CMAA Colaba Meteorol, QLP Quilpie, RAR Rarotonga, STKA Stephens Creek, STKA Stephens Creek, WB0 Warramunga Arr, WB0 Warramunga Arr, WB2 Warramunga Arr, WB2 Warramunga Arr, AS31 Alice Springs.

Table of astronomical observations for 28d 15h, listing stations like Alice Springs, Tennant Creek, Warramunga Arr, etc., with columns for code, station name, coordinates, and observation details.

Table of astronomical observations for 2018 DEC, listing stations like Kurraavaara, Laukkulusspa, etc., with columns for code, station name, coordinates, and observation details.

Table of astronomical observations for 1888, listing stations like Alice Springs, Warramunga Arr, etc., with columns for code, station name, coordinates, and observation details.

2018 DEC 15:14:29.6, 0.0, 6.7:85N:20:21'E, h0km, ML2.6, Confirmed Induced event

Table of astronomical observations for 2018 DEC 15:14:29.6, 0.0, 6.7:85N:20:21'E, listing stations like Stephens Creek, Warramunga Arr, etc.

2018 DEC 15:47:26.1, 1.7, 16:49S:178:62'W, h0km, mb3.8/6, mbmtmp3.8/6, Error ellipse: s-maj=113.2km

Table of astronomical observations for 2018 DEC 15:47:26.1, 1.7, 16:49S:178:62'W, listing stations like Stephens Creek, Warramunga Arr, etc.

2018 DEC 15:47:21.6, 0.5, 62:12S:9:06:55'W, h0km, n59, s=153/47, mb4.5/11, MS3.8/16.2C, Southwestern Atlantic Ocean

Table of astronomical observations for 2018 DEC 15:47:21.6, 0.5, 62:12S:9:06:55'W, listing stations like Palmer Station, New Year's Eve, etc.

2018 DEC 15:14:37.8, 1.3, 8:50S:113:16'E, h0km, mb3.7/7, mbmtmp3.7/8, ML3.7/1, MS3.4/1, Error ellipse: s-maj=49.1km

Table of astronomical observations for 2018 DEC 15:14:37.8, 1.3, 8:50S:113:16'E, listing stations like Stephens Creek, Warramunga Arr, etc.

2018 DEC 15:14:44.1, 0.7, 9:03S:112:77'E:0.05, h63km, n33, s=151/32, mb3.6/7, South of Jawa

Table of astronomical observations for 2018 DEC 15:14:44.1, 0.7, 9:03S:112:77'E:0.05, listing stations like Stephens Creek, Warramunga Arr, etc.

2018 DEC 15:17:56:0.27, 0.0, 21:58S:173:05'W, h0km, mb4.0/4, mbmtmp4.0/23, Error ellipse: s-maj=502.8km

Table of astronomical observations for 2018 DEC 15:17:56:0.27, 0.0, 21:58S:173:05'W, listing stations like Stephens Creek, Warramunga Arr, etc.

28d 16h

Table listing astronomical objects with columns for Name, P, S, AML, and numerical values.

2018 DEC

Table listing astronomical objects with columns for Name, P, S, AML, and numerical values.

1890

Table listing astronomical objects with columns for Name, P, S, AML, and numerical values.

Table with columns: Station Name, Time, and other details. Includes stations like Carnagh Statio, Omania, Mount Tarawera, etc.

Table with columns: Station Name, Time, and other details. Includes stations like WANDA, MEEK, KLERB, NWAOW, etc.

Table with columns: Station Name, Time, and other details. Includes stations like FINES, OBN, NB2, NORSA, etc.

Table with columns for station names, codes, coordinates, and magnetic field data. Includes stations like GREA1, KHC, KCRC, GEC2, GERE5, etc.

IDC 28 17:26:10.1±1.5, 40.34S:78.27E, h0km, mb3.8/7, mbmp3.87, MS3.832, Error ellipse: s-maj=43.1km, s-min=25.7km az=127.0

GCMT 28 17:26:13.0±0.4, 40.15S:0.03:78.07E:0.03, h23km±1km, MW4.8/73, Moment Tensor Solution...

Table listing station codes (H04N2, H04N3, etc.) and station names (CROZET ISLANDS, MAWIN, etc.) with associated coordinates and data.

Table listing station codes (OPO, LEM, BOSA, etc.) and station names (Ambोधitratompo, Lembang, Boshof, etc.) with associated coordinates and data.

Table listing station codes (BATI, STKA, STKA, etc.) and station names (Baumata, Stephens Creek, etc.) with associated coordinates and data.

Table listing station codes (PMG, URZ, HNR, etc.) and station names (Port Moresby, Urewera, Honiara, etc.) with associated coordinates and data.

TRN 28 17:33:56.1, 10.36N:62.32W, h3km, MD3.7, Gulf of Paria. FUNV 28 17:33:58.4, 10.40N:62.16W, h28km, MW4.1

Table listing station codes (TRN, TRN, TBH, etc.) and station names (Trinidad (W), Brigand Hill, Grenada Fort F, etc.) with associated coordinates and data.

DJA 28 17:35:44.1±0.6, 9.5°S:5.12°E, h90km±11km, M3.9/7, mb4.23, MLV3.7/7

Table listing station codes (SOEI, SOEI, BATI, etc.) and station names (Soe, Baumatia, Maumere, etc.) with associated coordinates and data.

IDC 28 17:57:31.5±0.6, 54.90N:164.82E, h0km, mb4.0/2.1, mbmp4.0/22, ML2.7/1, Error ellipse: s-maj=21.5km, s-min=12.0km az=162.0

NEIC 28 17:57:32.9±1.1, 54.9N:0.2:164.7E:0.1, h10km±2km, mb4.2/47, Error ellipse: s-maj=26.5km s-min=8.0km az=197.0

KRSC 28 17:57:32.5±1.6, 54.82N:164.83E, h48km±31km, M4.1, MOS 28 17:57:35.0±1.1, 54.91N:164.79E, h39km, mb4.4/6, Error ellipse: s-maj=10.6km s-min=9.1km az=117.3

Table listing station codes (BKI, BKI, BKI, etc.) and station names (Bering, Krutoberegovo, Tumrok, etc.) with associated coordinates and data.

Table listing station codes (F15K, K15K, K15K, etc.) and station names (North Star Dig, Wolf Creek Mud, Koyuk River, etc.) with associated coordinates and data.

Large table listing station codes (G18K, J18K, G19K, etc.) and station names (Tagagawik, Innoo River, Shaerukci Mo, etc.) with associated coordinates and data.

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other metrics. Includes stations like Q18K Katmai Hardscr, N19K Bonanza Creek, F20K Avarart Lake, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other metrics. Includes stations like TOLK Toolik Lake Re, WAT1 Susitna Watana, KNT1 Knik Glacier, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other metrics. Includes stations like PINM Pinnacle, MIDW Midway, M29M Somme Creek, etc.

28th 18h

Table with columns for call sign, name, frequency, power, mode, and other parameters. Includes stations like E09A Wood Farm, J05D Fort Rock, YBH Yreka Blue Hor, etc.

2018 DEC

Table with columns for call sign, name, frequency, power, mode, and other parameters. Includes stations like KLMR Klimovskoe, LSA Lhasa, PFO Prinston Flats, etc.

1896

Table with columns for call sign, name, frequency, power, mode, and other parameters. Includes stations like TXAR Lajitas Array, SAND Sanderson, BRDY Brady, etc.

Table listing station names (e.g., VOIR, ROSALIA, SIRR, ARR, MPLH) and their associated coordinates and data points.

UPP 28 18:52:18.9,0.0,67.94N:20.22E, h0km, ML2.5, Confirmed induced event
IDC 28 18:52:20.0,1.4, 67.76N:20.93E, h0km, mbmp2.8/3, ML2.0/3, Error ellipse: s-maj=20.5km s-min=8.1km az=112.0

HEL 28 18:52:19.4,0.0,67.85N:20.19E, h1km, ML1.8, ML2.5(UPP), Confirmed Induced event
BER 28 18:52:21.2,1.2, 67.90N:20.27E, h1km, ML1.8, Confirmed Induced event
ISC 28 18:52:18.4,0.8,67.83N:0.02-20.27E:0.03, h0km, n34, -089/47, Sweden

Table listing station names (e.g., KUA, KURRAVAARA, RATU, MASU) and their associated coordinates and data points.

Table listing station names (e.g., JETTON, FAUS, FAUS, TOF) and their associated coordinates and data points.

WEL 28 18:55:48.3,1.2,35.5N:14.17W:1.3, h33km, M3.9/9, mb4.3/2, ML4.2/13, MLv3.9k, Mw(mb)3.5/2, Error ellipse: s-maj=23.6km s-min=8.9km az=140.2, confirmed, South of Kermadec Islands

Table listing station names (e.g., MATAKAOA POINT, WAIOMATATINI S, PAKIHIROA) and their associated coordinates and data points.

TAP 28 18:56:04.5,24.16N:121.69E, h43km, ML1.6, D, Taiwan

Table listing station names (e.g., FUSH VILLAGE, NINGANCHIAO, CHIAWIAN) and their associated coordinates and data points.

TAP 28 18:56:05.9,24.08N:121.00E, h15km, ML0.9, 1C-3D, C, Taiwan

Table listing station names (e.g., PULI TOWNSHIP, GUOXING, BEIGANG ELEMEN) and their associated coordinates and data points.

EGFH Guangfu 0.56 136 P Pg 18 56 16.9 -0.1
EGFH Pg Sb 18 56 25.3 0.0

NEIC 28 19:21:18.0,1.0, 19.48N:0.06:65:37W:0.07, h10km, 2km, ML2.7/22, MD3.6/6(RSPR), Error ellipse: s-maj=14.9km s-min=4.2km az=307.0

Table listing station names (e.g., COL SAN ANTONI, INTERUNIVERSIT, LAS MESAS) and their associated coordinates and data points.

IDC 28 19:41:13.6:43.0, 17:55S:178.93W, h559km, 81km, mb3.2/3, mbmp4.0/4, Error ellipse: s-maj=832.9km s-min=116.8km az=80.0, Fiji Islands region

Table listing station names (e.g., NONSAVU, STEPHENS CREEK, WARRAMUNGA ARR) and their associated coordinates and data points.

IDC 28 19:52:19.8,0.8,8:79S:108.43W, h0km, mb3.8/9, mbmp3.8/9, MS4.1/25, Error ellipse: s-maj=39.3km s-min=18.5km az=64.0

NEIC 28 19:52:22.1,1.4, 8.9S:0.1, 108.2W:0.2, h10km, 1km, mb4.6/27, Error ellipse: s-maj=28.2km s-min=20.2km az=256.0

GCMT 28 19:52:26.2,0.2,8:98S:0.01:108.51W:0.01, h19km, 1km, MW5.1/126, Moment Tensor Solution. s1,c69; s126,c185; Duration: 0 Moment tensor: Scale 10^16 Nm; Mrr:1.20t, 14; Mrr:0.95t, 12; Mrr:0.25t, 14; Mrr:0.1t, 24; Mrr:4.93t, 13; Mrr:2.28t, 32; Best double couple: M=5.50800x10^16 NP1:0.5:0.00000, 0.82:0.00000, 0.7-1.53:0.00000. NP2:0.270:0.00000, 0.83:0.00000, 0.7-1.0:0.00000. Principal axes: T: 5.8640, P: 14.0000, N: -0.7080, P: 0.6200, Azm:21.0000; P: 5.1520, P: 0.6200, Azm:231.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 28 19:52:21.1-0.5, 8.92S:0.10:108.39W:0.09, h15km, n81, c18/182, mb4.5/22, MS4.1/24, 1C-1D, Central East Pacific Rise

Table listing station names (e.g., RAPA NUI, SOCORRO T, COCHANCAY, ATAHUALPA) and their associated coordinates and data points.

28 20h

Table of astronomical observations for 28 Dec 20h, listing stations, names, and coordinates.

2018 DEC

Table of astronomical observations for 2018 DEC, including various station codes and observation details.

1898

Table of astronomical observations for 1898, listing stations and observation data.

Table with columns: ILAR, ILAR, INK, I23K, G24K, F26K, F25K, QSPA, QSPA, VANDA, E25K, E25K, F24K, G21K, G21K, DZM, DZM, F21K, F21K, E22K, D23K, D23K, E19K, ADK, RES, VNA3, SFJD, SNA, SNA, H11S2, H11S1, H11S3, H11N3, H11N2, H11N1, SHEM, HNR, BORG, PETK, NJ2, NJ2, SONM, HHC, ZALV, BVAR, KURBB, MKAR, MKAR, KMBO, GOMU, GOMU, PZSH, NRN, GAR, SIAMJ, CMAR

ATH 28 20:24:19.1, 38.41N-20.56E, h11km, 2ML, 1.7/2, Error ellipse: s-maj=3.1km s-min=0.7km az=282.0, Greece

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res

ATH 28 20:24:46.0, 37.51N-20.64E, h17km, 1km, ML2, 1/6, Manual Solution by M.Charalampakis This location:

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res

PRE 28 20:30:57.8, 0.9, 20.833S-32.74E, h5km, ML2.5, ISC 28 20:30:57.6, 2.3, 20.748S-0.07-32.7E, 0.1, h10km, n10, e280/14, Zimbabwe

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res

NEIC 28 20:33:29.7, 2.3, 19.88S-0.03-69.12W, 0.07, h100km, 7km, mb4.3/2.1, Error ellipse: s-maj=9.7km s-min=4.7km

IDC 28 20:33:52.6, 2.1, 19.76S-68.88W, h130km, 21km, mb3.7/10, mbmp4.1/12, Error ellipse: s-maj=26.4km s-min=15.5km

SJA 28 20:33:03.0, 19.87S-69.37W, h66km, ML4.2, GUC 28 20:33:33.0, 0.7, 19.91S-69.23W, h92km, 3km, ML4.1, VAO 28 20:33:38.2, 1.4, 19.63S-68.44W, h122km, 7km, mb4.4

ISC 28 20:33:52.6, 19.87S-69.17W, 0.05, h101km, 5km, n120, e1952/125, mb4.1/11, 20-22, Northern Chile

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res

ATH 28 20:35:59.7, 2.7, 29.70N-0.05, 129.95E, 0.09, h101km, 6km, mb4.4/38, Error ellipse: s-maj=11.5km

IDC 28 20:36:00.0, 0.7, 29.72N-129.72E, h111km, 6km, mb3.7/21, mbmp4.1/26, MS4.0/4, Error ellipse: s-maj=14.5km s-min=8.3km az=94.0

JMA 28 20:36:01.2, 0.1, 29.77N-0.4, 130.0E-0.7, h99km, MD3.9/43, MV3.7/43, NEAR TOKARA ISLANDS

JMA Felt J1 at NEAR TOKARA ISLANDS, ISC 28 20:36:00.1, 0.5, 29.71N-0.03, 129.97E, 0.05, h10km, 4km, n134, e1921/155, mb4.2/52-1C, I-12, Ryukyu Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res

Table with columns: FRTB, SNDB, TROA, TROA, LCO2, BB19B, COHC, IPMB, ITTB, RCBL, BDFB, BDFB, BDFB, VAO, VAO, PMNB, MAL2, MAL2, SMTB, BOAV, JANB, MG03, RCBR, CELP, TXAR, BELA, BELA, WVNY, SNA, SNA, SNA, DBIC, DBIC, DBIC, QSPA, EYMN, PDAR, ULM, ULM, NVAR, YKA, H11S2, H11S1, H11S3, H11N3, H11N2, H11N1, ASAR, WRA, ZALV, MKAR, SONM

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res

ATH 28 20:35:59.7, 2.7, 29.70N-0.05, 129.95E, 0.09, h101km, 6km, mb4.4/38, Error ellipse: s-maj=11.5km

IDC 28 20:36:00.0, 0.7, 29.72N-129.72E, h111km, 6km, mb3.7/21, mbmp4.1/26, MS4.0/4, Error ellipse: s-maj=14.5km s-min=8.3km az=94.0

JMA 28 20:36:01.2, 0.1, 29.77N-0.4, 130.0E-0.7, h99km, MD3.9/43, MV3.7/43, NEAR TOKARA ISLANDS

JMA Felt J1 at NEAR TOKARA ISLANDS, ISC 28 20:36:00.1, 0.5, 29.71N-0.03, 129.97E, 0.05, h10km, 4km, n134, e1921/155, mb4.2/52-1C, I-12, Ryukyu Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res

28d 21h

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like KSRS, KS19, INU, JGF, YHNB, MAJO, MJAR, etc.

2018 DEC

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like FIA1, FINES, AKASG, MALIN, RAYN, YKA, etc.

1900

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ULM, BKI, BKTR, KBT, etc.

1901

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, Modulation, Phase ID, Time, Res, Res ISC. Includes stations like Hadwezenzic Riv, Sheep Creek Mo, Matushiro Arr, Tolsona, Glenn, Arctic Village, etc.

2018 DEC

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, Modulation, Phase ID, Time, Res, Res ISC. Includes stations like Old Mammoth Mt, Pine Nut, Milner Canyon, Kaiser Creek, etc.

28D 21h

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, Modulation, Phase ID, Time, Res, Res ISC. Includes stations like Urewera, Alice Springs, Warramunga Arr, etc.

1903

Table with columns for station name, frequency, power, and status. Includes stations like LCRK Leigh Creek, WHYH Whyalla, TAOE Nuku Hiva Isla, BBOO Buckleboe, etc.

2018 DEC

Table with columns for station name, frequency, power, and status. Includes stations like TOLIZ Toltolito, TOLIZ Toltolito, TOLIZ Toltolito, etc.

28d 22h

Table with columns for station name, frequency, power, and status. Includes stations like ENH Enshi, SPU Mount Spurr, U15A North Rim, etc.

28d 22h

Table of astronomical observations for the 28-day period. Columns include station name, coordinates, and various observation parameters like elevation and signal-to-noise ratio.

2018 DEC

Table of astronomical observations for the year 2018 in December. Columns include station name, coordinates, and various observation parameters.

1904

Table of astronomical observations for the year 1904. Columns include station name, coordinates, and various observation parameters.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MAKR, KRND, AXAR, LKR, DION, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like YKA, NEIC, AEIC, PMR, M22K, STLK, SPU, M24K, M20K, M20K, M20K, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ZHN, ZHN, ZHN, KURS, KURS, KURS, ARXS, ARXS, ARXS, SATY, SATY, SATY, CHKK, CHKK, CHKK, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Dell, Parma, Yellowville, Henderson Moun, Lenox, etc.

INMG 28 23:52:33.2-1.2, 31.79N: 16.86W, h10km, ML2.5, Error ellipse: s-maj=10.2km s-min=8.0km az=86.0

CNIRM 28 23:52:41.1, 31.87N: 16.19W, h102km, 22.2, 203/27, 1C-10, Madeira Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FUL Funchal, PMAR Madeira, PMAO Porto Moniz, etc.

IDC 28 23:56:22.5-2.5, 36.36N: 141.86E, h0km, mb3.4/3, bmbp3.4/4, ML2.9/1, Error ellipse: s-maj=58.0km s-min=32.1km az=46.0

JMA 28 23:56:27.5-0.3, 36.5N: 0.7x14.2E, h57km, MV3.0/29, E OFF IBARAKI PREF

ISC 28 23:56:23.3-3.8, 36.47N: 0.06:141.8E:0.1, h4km, 23km, n18, 1501/17, mb3.4/3, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JHYU Hitachinakayam, JHO Hitachi, ONAJ Iwakimizuishi, etc.

BEO 29 00:05:04.6-0.9, 37.41N: 20.43E, h10km, ML3.3/3, THE 29 00:05:04.9, 37.41N: 20.73E, h3km, ML3.2/15, Error

ellipse: s-maj=1.0km s-min=0.4km az=234.0, ATH 29 00:05:04.7, 37.42N: 20.74E, h15km, 1km, ML3.3/13, Error ellipse: s-maj=1.7km s-min=0.7km az=40.0

IDC 29 00:05:06.7-1.2, 37.46N: 20.65E, h46km, 18km, mb3.3/9, bmbp3.5/17, ML3.4/5, M53.0/2, Error ellipse: s-maj=17.3km s-min=9.7km az=13.0

ISC 29 00:05:03.9-0.6, 37.41N: 0.03:20.70E:0.03, h15km, n91, 1526/129, mb3.5/9, Ionian Sea

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

ISC 29 00:05:03.9-0.6, 37.41N: 0.03:20.70E:0.03, h15km, n91, 1526/129, mb3.5/9, Ionian Sea

ISC 29 00:05:03.9-0.6, 37.41N: 0.03:20.70E:0.03, h15km, n91, 1526/129, mb3.5/9, Ionian Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DRO Drossia, PYL PYLOS, PYL PYLOS, etc.

ISC 29 00:05:03.9-0.6, 37.41N: 0.03:20.70E:0.03, h15km, n91, 1526/129, mb3.5/9, Ionian Sea

ISC 29 00:05:03.9-0.6, 37.41N: 0.03:20.70E:0.03, h15km, n91, 1526/129, mb3.5/9, Ionian Sea

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

ISC 29 00:05:03.9-0.6, 37.41N: 0.03:20.70E:0.03, h15km, n91, 1526/129, mb3.5/9, Ionian Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VAY Valadovsko, SRS Serrai, VAE Valguarnera, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PDG Podgorica, BARS Barje, VTS Vitoshka, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SELS Selova, SLES Sjenica, SLES Sjenica, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OBKA Obkovo, CONA Conrad Observa, MOA Molin, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BIAO Bad Ischl, LESA Schwarzleota, WTTA Wattenberg, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FETA Feichten, MOTA Moosalm, DAVOX Davos/Dischmat, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GERES GERES Array B, MMAI Mount Meron Ar, AKASC Malin Array Be, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AKASC Malin Array B, ESDC Seneca Array, HFS Hagfors, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EKA Eskdalemuir Ar, FINES FINES Array B, NOA NORSAR Array B, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TORD Tordal Ar, ARCES ARCESS Array B, KURBB Kurchatov Arra, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MKAR Makachi Array, ZALV Zalesovo Beam, etc.

CUPWA 29 00:13:57.4-4.0, 29.63S: 115.18E, h9km, 29km, ML3.1, Region: WESTERN AUSTRALIA

NOU 29 00:13:58.8, 29.76S: 115.61E, h0km, ML4.0/14, Western Australia

AUST 29 00:13:59.0-1.4, 29.77S: 115.61E:0.1, h10km, mb4.3/2, ML3.0/7, Error ellipse: s-maj=12.9km s-min=4.3km az=91.2

ISC 29 00:13:59.0-1.4, 29.77S: 0.04:115.6E:0.1, h10km, n41, 1506/140, Western Australia

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

IDC 29 00:17:39.3-1.1, 46.70N: 149.43E, h0km, mb3.3/6, bmbp3.3/6, Error ellipse: s-maj=36.3km s-min=26.3km az=119.0, Kuril Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ILAR Eielson Array, MKAR Makanchi Array, KURBB Kurchatov Arra, etc.

IDC 29 00:17:39.3-1.1, 46.70N: 149.43E, h0km, mb3.3/6, bmbp3.3/6, Error ellipse: s-maj=36.3km s-min=26.3km az=119.0, Kuril Islands

29d 2h

Table with columns: KEST, Kesra, 10.54 85 Pn Pn, 00 43 58.2 +1.0. Includes TORO Torodi Ara, Bea, 22.70 167 P P, 00 46 32.6 +5.1.

INMG 29 00:52:15.4, 1.6, 42.26N, 6.52W, h17km, 4km, ML2.2, Error ellipse: s-maj=3.1km s-min=2.5km az=85.0. MDD 29 00:52:14.1, 3.0, 42.22N, 6.49W, h8km, 2km, mb_Lg2/6/46, Error ellipse: s-maj=1.6km s-min=1.4km az=131.0, Spain

Main station list table with columns: Code, Station Name, A°, AZ°, Phase, ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like BRBG Braganca, MVO Moncorvo, EPON Pontenova, etc.

2018 DEC

Main station list table with columns: Code, Station Name, A°, AZ°, Phase, ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like URZ Urevera, THZ ARMA Armidade, CTA Charters Tower, etc.

1908

Main station list table with columns: Code, Station Name, A°, AZ°, Phase, ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like KRX Arik, KRX Arik, KOK Koryaka, etc.

1909

BRVK	Borovoye	51.46 310	P	P	02 45 19.4	+0.6
BRVK	Borovoye	51.46 310	cEP	pmax	02 45 19.9	+1.1
comp=Z,4.4nm,0.7s						
BRVK	Borovoye	51.46 310	cEP	pmax	02 45 19.9	+1.1
comp=Z,13nm,2.5s						
NVAR	Mina Array	52.92 74	P	P	02 45 31.7	+1.5
comp=Z,1.2nm,0.8s,baz=290,slow=7.9,SNR=7.5						
ARTI	Arti	54.10 319	LR	LR	03 11 35.4	
comp=Z,43nm,18.1s,baz=99,slow=39						
PDAR	Pinedale Array	54.64 64	P	P	02 45 43.0	+0.2
comp=Z,0.4nm,0.8s,baz=315,slow=8.1,SNR=4.3						
comp=Z,0.4nm,0.8s						
WUS	Wushi	55.20 294	IAmb	IAmb	02 45 48.7	
comp=Z,6.0nm,1.0s						
ULM	Lac du Bonnet	56.00 50	P	P	02 45 52.4	+0.2
comp=Z,5.0nm,0.6s,baz=286,slow=15,SNR=1.2						
comp=Z,0.8nm,0.6s						
AAK	Ala-Archa	56.65 298	P	P	02 45 57.7	+0.6
AAK	Ala-Archa	56.65 298	cEP	pmax	02 45 58.5	+1.4
comp=Z,4.7nm,0.9s						
AAK	Ala-Archa	56.65 298	cEP	pmax	02 45 58.5	+1.4
comp=Z,8.0nm,1.3s						
KKAR	Karatay Array	58.34 301	P	P	02 46 09.1	+0.3
KKAR	Karatay Array	58.34 301	IAmb	IAmb	02 46 11.2	
comp=Z,2.1nm,0.7s						
KKAR	Karatay Array	58.34 301	P	P	02 46 09.1	+0.3
KKAR	Karatay Array	58.34 301	pmax	pmax		
comp=Z,2.0nm,0.7s						
AKBAR	Akbulak array	58.73 312	P	P	02 46 12.0	+0.6
BRIGG	Briegdale	58.94 63	P	P	02 46 14.3	+1.1
FINES	FINES Array B	59.76 338	P	P	02 46 18.4	+0.1
comp=Z,3.3nm,1.1s,baz=44,slow=8.5,SNR=5.1						
comp=Z,3.3nm,1.1s						
FINES	FINES Array A	59.76 338	cEP	pmax	02 46 21.7	+3.4
FINES	FINES Array B	59.76 338	cEP	pmax	02 46 21.7	+3.4
comp=Z,2.2nm,0.8s						
CMAR	Chiang Mai Arr	60.90 261	P	P	02 46 27.6	+0.9
comp=Z,2.5nm,0.7s,baz=26,slow=7.2,SNR=11						
comp=Z,2.5nm,0.7s						
GAZ	Garm	61.47 298	P	P	02 46 31.2	+0.7
CHGR	Chuyangaron	62.32 298	P	P	02 46 36.0	-0.2
CHGR	Chuyangaron	62.32 298	P	P	02 46 36.0	-0.2
comp=Z,9.0nm,0.5s						
NOA	NORSAR Array B	62.82 346	P	P	02 46 37.6	-1.6
comp=Z,0.4nm,0.6s,baz=18,slow=6.8,SNR=2.1						
comp=Z,0.4nm,0.6s						
HFS	Hagfors	63.31 344	P	P	02 46 41.6	-0.7
comp=Z,1.4nm,0.9s,baz=35,slow=5.3,SNR=1.5						
comp=Z,1.4nm,0.9s						
TXAR	Lajitas Array	67.79 70	P	P	02 47 13.2	+1.3
comp=Z,1.8nm,0.7s,baz=299,slow=4.2,SNR=8.2						
comp=Z,1.8nm,0.7s						
LPIG	La Paz	68.11 79	LR	LR	03 13 51.0	
comp=Z,33nm,18.2s,baz=322,slow=33						
AKASO	Malin Array B	68.62 331	P	P	02 47 16.5	-0.1
comp=Z,0.7nm,0.7s,baz=26,slow=6.5,SNR=2.0						
comp=Z,0.7nm,0.7s						
GNI	Garni	72.46 316	LR	LR	03 24 09.0	
comp=Z,5.0nm,18.2s,baz=48,slow=40						
GERES	GERESS Array B	74.07 340	P	P	02 47 49.1	-0.6
comp=Z,0.3nm,0.7s,baz=21,slow=8.4,SNR=1.6						
comp=Z,0.3nm,0.7s						
BRTR	Keskin Array B	77.04 323	P	P	02 48 07.4	+0.4
comp=Z,0.3nm,0.7s,baz=28,slow=6.6,SNR=1.4						
comp=Z,0.3nm,0.7s						
WB0	Warramunga Arr	78.31 209	P	P	02 48 13.6	-0.3
WB0	Warramunga Arr	78.31 209	IAmb	IAmb	02 48 50.8	
comp=Z,6.3nm,1.3s						
WB2	Warramunga Arr	78.48 209	P	P	02 48 14.6	-0.2
WB2	Warramunga Arr	78.48 209	IAmb	IAmb	02 48 23.4	
comp=Z,5.7nm,1.2s						
WRA	Warramunga Arr	78.49 209	P	P	02 48 15.1	+0.2
comp=Z,1.1nm,0.8s,baz=20,slow=6.0,SNR=7.9						
comp=Z,1.1nm,0.8s						
ASAR	Alice Springs	82.15 208	P	P	02 48 34.7	+0.2
comp=Z,2.1nm,0.9s,baz=35,slow=5.3,SNR=13						
comp=Z,2.1nm,0.9s						
ESDC	Sonsec Array	85.63 351	P	P	02 48 52.5	+0.1
comp=Z,0.3nm,0.9s,baz=22,slow=4.3,SNR=2.0						
comp=Z,0.3nm,0.9s						

TEH 29 02:38:41.2,34.41N,45.49E, h12km, 18km, ML2.9
 ISN 29 02:38:41.0,33.41N,45.47E, h16km, 3km, ML2.9
 ISC 29 02:38:42.0,1.1,34.41N,0.03,45.50E,0.04, h11km, gkm,
 n17, c572/21, Iran-tri border region

2018 DEC

CMAR	comp=Z,9.4nm,19.4s,baz=40,slow=96	LR	LR	03 04 37.0		
KURBB	Kurchatov Arra	40.86 21	P	P	02 47 40.6	+1.4
comp=Z,9.3nm,0.3s,baz=216,slow=8.0,SNR=1.8						
KURBB	Kurchatov Arra	40.86 21	LR	LR	03 05 43.2	
comp=Z,64nm,18.3s,baz=174,slow=38						
AKASO	Malin Array B	43.31 334	LR	LR	03 08 27.6	
comp=Z,0.3nm,0.3s						
OBN	Obninsk	44.36 343	LR	LR	03 09 39.0	
comp=Z,56nm,20.7s,baz=107,slow=40						
ZALV	Zalesovo Beam	45.83 23	P	P	02 48 19.3	0.0
comp=Z,0.2nm,0.3s,baz=209,slow=7.2,SNR=2.5						
comp=Z,0.2nm,0.3s						
VRAC	Vranov	48.58 326	LR	LR	03 11 36.1	
comp=Z,26nm,18.2s,baz=82,slow=39						
LBTB	Lobatse	49.10 219	LR	LR	03 07 17.0	
comp=Z,29nm,21.8s,baz=36,slow=33						
TSUM	Tsumeb	50.68 231	LR	LR	03 11 06.8	
comp=Z,50nm,18.1s,baz=342,slow=37						
DAVOX	Davos/Dischmal	51.33 320	LR	LR	03 12 10.1	
comp=Z,1.8nm,18.4s,baz=76,slow=38						
BOSA	Boshof	52.00 216	LR	LR	03 10 25.1	
comp=Z,57nm,18.6s,baz=24,slow=35						
FINES	FINES Array B	52.70 342	P	P	02 49 11.7	0.0
comp=Z,1.9s,baz=134,slow=7.2,SNR=7.4						
comp=Z,1.9s						
SOMN	Songino Array	53.20 40	P	P	02 49 15.9	-0.1
comp=Z,0.1nm,0.3s,baz=265,slow=7.2,SNR=1.7						
SOMN	Songino Array	53.20 40	LR	LR	03 13 45.4	
comp=Z,41nm,18.7s,baz=214,slow=38						
comp=Z,41nm,18.7s						
TORD	Torodi Arr. Bea	53.68 276	P	P	02 49 20.1	+0.3
comp=Z,0.7nm,1.0s,baz=66,slow=5.8,SNR=3.6						
comp=Z,0.7nm,1.0s						
SUR	Sutherland	57.35 216	LR	LR	03 10 53.0	
comp=Z,65nm,19.3s,baz=47,slow=35						
NOA	NORSAR Array B	57.69 336	LR	LR	03 17 36.4	
comp=Z,1.0nm,18.7s,baz=10,slow=39						
ESDC	Sonsec Array	59.12 308	P	P	02 49 57.9	-0.4
comp=Z,0.4nm,0.8s,baz=96,slow=7.4,SNR=2.4						
comp=Z,0.4nm,0.8s						
ARCES	ARCSS Array B	59.29 348	LR	LR	03 17 26.0	
comp=Z,29nm,19.8s,baz=124,slow=38						
KSRK	Korea Array	66.78 55	P	P	02 50 49.4	+0.1
comp=Z,1.3nm,0.7s,baz=262,slow=6.7,SNR=1.6						
KSRK	Korea Array	66.78 55	LR	LR	03 22 05.2	
comp=Z,20nm,18.6s,baz=65,slow=38						
comp=Z,20nm,18.6s						
H01W3	Cape Leeuwijn H	72.53 134	T	T	04 10 21.6	
comp=Z,302,slow=75,SNR=65						
H01W2	Cape Leeuwijn H	72.53 134	T	T	04 10 21.1	
comp=Z,302,slow=75,SNR=34						
H01W1	Cape Leeuwijn H	72.54 134	T	T	04 10 22.7	
comp=Z,302,slow=75,SNR=53						
WRA	Warramunga Arr	83.65 112	P	P	02 52 22.7	-1.0
comp=Z,0.3nm,0.8s,baz=286,slow=7.4,SNR=1.8						
comp=Z,0.3nm,0.8s						
ASAR	Alice Springs	83.79 116	P	P	02 52 26.5	-1.0
comp=Z,0.3nm,0.7s,baz=293,slow=5.8,SNR=4.2						
comp=Z,0.3nm,0.7s						

OMAN 29 02:56:48.5,1.3,18.34N,59.92E, h10km, mb4.1/1, m12.9/5,
 Error ellipse: s-maj=12.8km s-min=10.4km az=30.0,
 Owen Fracture Zone region

29d 3h

DDMP	Don Marcelino,	1.18 281	eP	Pn	03 39 29.5	-1.0
DDMP	Don Marcelino,	1.18 281	eS	Pn	03 39 47.9	+2.1
MATI	Mati	1.22 330	eS	Pn	03 39 30.4	-0.7
DAV	Davao City (W)	1.75 313	Sn	Pn	03 39 45.6	+2.6
DAV	Davao City (W)	1.75 313	Sn	Pn	03 39 39.0	+0.9
DAV	Davao City (W)	1.75 313	Sn	Pn	03 40 07.2	+7.8
DAV	Davao City (W)	1.75 313	Sn	Pn	03 39 38.4	+0.3
DAV	Davao City (W)	1.75 313	Sn	Pn	03 39 37.1	+6.6
DAV	Davao City (W)	1.75 313	Sn	Pn	03 40 06.8	+7.4
DAV	Davao City (W)	1.75 313	Sn	Pn	03 39 39.9	+1.8
DAV	Davao City (W)	1.75 313	Sn	Pn	03 39 39.0	+0.9
DAV	Davao City (W)	1.75 313	Sn	Pn	03 39 41.0	+2.9
DMPH	Davao City-Mii	1.81 311	eP	Pn	03 39 38.4	+0.8
DMPH	Davao City-Mii	1.81 311	eS	Pn	03 40 07.3	+6.4
CDOP	Cateel, Davao	1.94 347	eP	Pn	03 39 39.9	-0.8
CDOP	Cateel, Davao	1.94 347	eS	Pn	03 40 07.8	+3.7
CDOP	Cateel, Davao	1.94 347	eP	Pn	03 39 40.1	-0.6
CDOP	Cateel, Davao	1.94 347	eS	Pn	03 40 08.0	+4.4
KCP	Kidapawan	2.10 302	iP	Pn	03 39 32.2	-0.7
LCVP	Laak	2.21 331	eP	Pn	03 39 40.0	+1.7
LCVP	Laak	2.21 331	eS	Pn	03 40 17.8	+7.2
SKMP	Bagumbayan, Su	2.40 285	eP	Pn	03 39 45.9	-1.1
SKMP	Bagumbayan, Su	2.40 285	eS	Pn	03 40 18.6	+3.3
PICP	Pikit	2.48 298	eP	Pn	03 39 47.5	+0.2
PICP	Pikit	2.48 298	eS	Pn	03 40 21.9	+4.7
SGSI	Sanghie	2.56 212	P	Pn	03 39 49.8	+0.7
TASP	Talacogon, Agu	2.77 338	eP	Pn	03 39 53.3	+1.3
TASP	Talacogon, Agu	2.77 338	eS	Pn	03 40 33.7	+9.5
TASP	Talacogon, Agu	2.77 338	eP	Pn	03 39 53.7	+1.8
TASP	Talacogon, Agu	2.77 338	eS	Pn	03 40 33.5	+4.8
TSSP	Tandag City	3.21 348	eP	Pn	03 39 57.5	-0.5
TSSP	Tandag City	3.21 348	eS	Pn	03 40 43.5	+8.3
BUTP	Butuan	3.31 338	eP	Pn	03 39 59.0	+0.5
BUTP	Butuan	3.31 338	eS	Pn	03 40 50.0	+1.2
MARW	Marawi	3.33 310	eP	Pn	03 40 00.9	+1.1
MARW	Marawi	3.33 310	eS	Pn	03 40 49.0	+1.1
CGP	Cagayan de Oro	3.35 320	iP	Pn	03 40 02.3	+2.4
CGP	Cagayan de Oro	3.35 320	iS	Pn	03 40 48.4	+10.0
BLNP	Bacolod Lanao	3.61 309	eP	Pn	03 40 04.3	+0.8
BLNP	Bacolod Lanao	3.61 309	eS	Pn	03 40 51.0	+6.0
GLSP	General Luna,	3.95 349	eP	Pn	03 40 06.9	+0.2
GLSP	General Luna,	3.95 349	eS	Pn	03 40 56.6	+3.4
PAGZ	Pagadian	3.98 300	eP	Pn	03 40 08.1	-0.5
PAGZ	Pagadian	3.98 300	eS	Pn	03 41 04.5	+5.1
PAGZ	Pagadian	3.98 300	eP	Pn	03 40 08.3	-0.2
PAGZ	Pagadian	3.98 300	eS	Pn	03 40 58.3	+4.4
DCPH	Dipolog City	4.41 308	eP	Pn	03 41 07.5	+2.2
DCPH	Dipolog City	4.41 308	eS	Pn	03 41 17.6	+13.0
GHPB	Garcia Hernandez	4.50 326	eP	Pn	03 40 16.0	+0.3
GHPB	Garcia Hernandez	4.50 326	eS	Pn	03 40 16.9	+1.2
GHPB	Garcia Hernandez	4.50 326	eP	Pn	03 41 12.9	+6.1
LSP	Lazi, Siquijor	4.56 315	eP	Pn	03 40 17.2	+0.8
LSP	Lazi, Siquijor	4.56 315	eS	Pn	03 41 14.2	+6.1
LSIP	Lazi, Siquijor	4.56 315	eP	Pn		

29d 3h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like LBMI Labuha, JAP San Jose, ANTI Antananarivo, etc.

2018 DEC

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BBPB Basco Batanes, BBPB Basco Batanes, GENI Genyem, etc.

1910

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like QIZ comp=Z,39um,8.7s, QIZ comp=Z,199um,18.9s, QIZ comp=Z,242um,15.9s, etc.

Table with columns for station ID, name, coordinates, and various signal quality metrics (LR, P, ScP, etc.). Includes stations like NUJ, PPI, SRIT, WHN, PDSI, JNU, MBWA, PSA00, GSI, CMAR, KMI, ASAR, JSG, AS01, and KRSR.

Table with columns for station ID, name, coordinates, and various signal quality metrics. Includes stations like KRSR, INCN, LYN, TVIH, CTA, MAJ, MJAR, MJB9, AUAYR, XAN, CDBY, CD2, CHTO, ASAR, JSG, AS01, and KRSR.

Table with columns for station ID, name, coordinates, and various signal quality metrics. Includes stations like HNS, MEEK, JMM, OOD, COCO, BJT, SAIH, ALEG, MSHR, JTM, JORH, HHC, and HNS.

29d 3h

Table with columns for station name, frequency, power, and signal strength. Includes stations like JOT, BLDU, LCRK, etc.

2018 DEC

Table with columns for station name, frequency, power, and signal strength. Includes stations like AUHAR, ASAJ, ASAJ, etc.

1912

Table with columns for station name, frequency, power, and signal strength. Includes stations like HEH, HEH, HEH, etc.

29d 3h

Table of flight data for the 29d 3h period, including columns for flight number, destination, departure time, status, and delay. Destinations include Tahuroa Road, Hauiti, Puyesegur Point, and many others.

2018 DEC

Table of flight data for the 2018 DEC period, including columns for flight number, destination, departure time, status, and delay. Destinations include McNeill Hill, Holdsworth Sta, Shannon Statio, and many others.

1914

Table of flight data for the 1914 period, including columns for flight number, destination, departure time, status, and delay. Destinations include SOHO, Madha, MDH, and many others.

1915

2018 DEC

29d 3h

Table with columns for station code (e.g., KIP, SLWR), name (e.g., Sila, Black Hills), coordinates, and various meteorological data points (e.g., 03 50 46.4, 74.03 69, P, P).

Table with columns for station code (e.g., MAK, M13K), name (e.g., Sheki, Minigechevir, A), coordinates, and various meteorological data points (e.g., 03 50 43.8 +4.3, 74.03 69, P, P).

Table with columns for station code (e.g., SPCR, G21K), name (e.g., Spurr Chachaka, Allakaket), coordinates, and various meteorological data points (e.g., 04 09 14.9, 80.50 29, P, P).

29d 3h

Table with columns for station ID, name, elevation, coordinates, and various data points. Includes stations like F24K Squaw Lake, P23K Montague Islan, DHY Denali Highway, etc.

2018 DEC

Table with columns for station ID, name, elevation, coordinates, and various data points. Includes stations like F26K Sheenjek River, KAIM Kayak Island, C27K Jago River, etc.

1916

Table with columns for station ID, name, elevation, coordinates, and various data points. Includes stations like MAW, F28M Old Crow, E28M Babbage River, etc.

1917

Table with columns for call sign, name, frequency, mode, and other details. Includes entries like F31M Tsighehtich, BZK Bozkurt, PUL Pulko, etc.

2018 DEC

Table with columns for call sign, name, frequency, mode, and other details. Includes entries like KMBO Kilima Mbogo, A36M Sachs Harbour, FINES FINES Array B, etc.

29d 3h

Table with columns for call sign, name, frequency, mode, and other details. Includes entries like HARR Harsova, TUDR Sopachiv, RNP99 Sopachiv, etc.

29d 3h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KWP, KAIWARIA PACLA, and various regional stations.

2018 DEC

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like GPK, NORSAR Array S, PSZ, and various regional stations.

1918

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like AKN, Aaknes, MORH, and various regional stations.

1919

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like PRU Prunonice, BRG Berggiesshübel, and others.

2018 DEC

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like OBKA, WET, MANZ, MOX, CEY, etc.

29d 3h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like STU Stuttgart, MAKGR Makgros, DAVA, etc.

29d 4h

2018 DEC

1922

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Rows include stations like ANKY Antikythira Is, ANKY Antikythira Is, ANKY Antikythira Is, etc.

Table with columns: BLY, Banja Luka, NRCA Norcia, BRTR Keskin Aray B, etc. Rows include stations like BLY Banja Luka, NRCA Norcia, BRTR Keskin Aray B, etc.

Table with columns: UJAP Ai Uja, HWQ Hawqa, AMAZ Amatzia, etc. Rows include stations like UJAP Ai Uja, HWQ Hawqa, AMAZ Amatzia, etc.

GII 29 04:17:40.8±0.3, 33°20'2N:0°00'13.4719E:0°00'1, h17km, Mt1.9/3, Mw2.3/10, confirmed

IDC 29 04:47:46.8±0.8, 6°31'N:127°73'E, h0km, mb4.2/15, mbmp4.2/17, Error ellipse: s-maj=53.9km

NEIC 29 04:47:59.1±1.8, 5.94N:0.08:127.0E:0.1, h77km, 10km, mb4.4/14, Error ellipse: s-maj=20.8km s-min=6.5km

DJA 29 04:48:00.7±1.0, 6°N:7°12'E, h79km, 22km, M4.6/8, mb4.4/5, mb6.0/1, MLv4.6/8, Mw(mb)5.7/1

ISC 29 04:47:58.4±0.6, 5.92N:0.06:127.0E:0.1, h83km, n40, c1916/46, mb4.2/22, D, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Rows include stations like HNTI Hanita, HNTI Hanita, HNTI Hanita, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Rows include stations like DAV Davao City (W), DAV Davao City (W), DAV Davao City (W), etc.

1923

Table with columns: SBUM, Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Sibiu, Kunumura, Fitzzy, Warramunga Arr, WRA, WB2, AS31, ASAR, MORW, FORT, BBOO, STKA, SONMI, MK31, MKAR, ZALV, KURK, KURKB, BVAR, BRVK, ABKAR, AKTO, ARTI, ARCES, BRTR, FINES, GQSA, HFS, TORD.

IDC 29 05:00:01.8:2.8,54°21'N:87°28'E, h0km, mbtmp3.0/3, ML2.5/3, Error ellipse: s-maj=25.2km s-min=15.3km az=60.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like I46RU, ZALV, KURBB, MKAR, BVAR, I46RU, ZALV, KURBB, MKAR, BVAR.

IDC 29 05:00:58.6:2.9,54°17'N:86°33'E, h0km, mbtmp2.9/2, ML2.7/2, Error ellipse: s-maj=22.5km s-min=13.4km az=57.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like I46RU, ZALV, KURBB, MKAR, BVAR, I46RU, ZALV, KURBB, MKAR, BVAR.

CATAC 29 05:02:50.6:0.4, 13°68'N:90°91'W, h10km, ML3.5 GCG 29 05:02:51.5:0.5, 13°71'N:91°02'W, h30km, 3km, MD3.5 SNET 29 05:02:54.4:0.8, 13°93'N:90°72'W, h73km, 22km, ML3.3 ISC 29 05:02:49.0:1.8, 13°63'N:0°06.90S, h8km, 11km, n42, c0569/58, Near coast of Guatemala

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like FUG, PGC, FAME, GCG4, GUMI, NBG, RTAL, NUBE, YKA, KURBB, MKAR, BVAR.

2018 DEC

Table with columns: NUBE, Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like LOMAS, STG3, KIKI, CEVE, JUAM, UNIC, JAYA, CEDA, LALI, PMON, ITCA, SMCA, QUIS, UEES, UTEC, PANC, MTO3, LOMA, UDBS, HUEH, ESQI, LFRS, PAVA, COEG, UESV, TECO, SCLA, PACA, KRSK, KOK, DALY, KRMR, PETK, MTRV, GRL, OSSR, ILAR, H1N2, H1N3, H1N1, SONMI, YKA, KURBB, MKAR, BVAR.

IDC 29 05:28:55.5:0.9,54°76'N:164°45'E, h0km, mb3.6/12, mbtmp3.6/13, ML2.9/1, Error ellipse: s-maj=26.6km s-min=18.8km az=158.0

KRSC 29 05:28:56.9:1.0,54°77'N:164°48'E, h50km, mb3.9/12, ISC 29 05:28:59.3:0.7,54°80'N:166°06'E, h27km, n35, c1913/37, mb3.5/12, Kamondorsky Islands region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like BKI, KBTR, KKBG, CIRR, KMNR, KIRF, KLY, KPT, ESO, UGLR, KRX, KOK, DALY, KRMR, PETK, MTRV, GRL, OSSR, ILAR, H1N2, H1N3, H1N1, SONMI, YKA, KURBB, MKAR, BVAR.

29d 5h

Table with columns: FINES, NOA, HFS, TXAR, WRA, ASAR, GQSA. Includes stations like FINES Array B, NOARS Array B, Hagsfos, Lajitas Array, Warramunga Arr, Alice Springs, South Pole Qui.

IDC 29 05:34:55.2:2.4,52°7'N:86°03'E, h0km, mbtmp3.0/3, ML2.7/3, Error ellipse: s-maj=17.4km s-min=9.8km az=50.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like I46RU, ZALV, ZALV, KURBB, MKAR, BVAR, BVAR.

CATAC 29 05:42:13.3:0.5, 14°08'N:91°58'W, h29km, 5km, ML3.8 SNET 29 05:42:14.4:1.5, 14°18'N:91°43'W, h26km, 45km, ML3.1 GCG 29 05:42:16.5:0.6, 14°34'N:91°45'W, h48km, 8km, MD3.7 ISC 29 05:42:12.9:2.1, 14°06'N:0°07°91.59W, h28km, 13km, n39, c0569/60, 1C-1D, Guatemala

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like SULM, RTAL, STG3, SOKI, SOKI, FUG, SMCA, PGC, GUMI, GUMI, GCG4, OSOP, HUEH, HUEH, HUEH, HUEH, NBG, QUIS, QUIS, FAME, FAME, LOAL, LOAL, LOAL, LOAL, NUBE, NUBE, NUBE, JUAM, CEVE, CEVE, CEVE, CEVE, UNIC, UNIC, UNIC, JAYA, JAYA, JAYA, JAYA, CEDA, CEDA, MTO3, MTO3, MTO3, MTRV, ESQI, ESQI, ESQI, ESQI, PMON, PMON, PMON, QUEZ, QUEZ, LALI, LALI, CCIG, CCIG, CCIG, UESV, UESV, UESV, SEMO, SEMO, UTEC.

29d 6h

Table with columns: UTEC, LOMA, UDBS, PAVA, COEG, COEG. Includes station names like Loma Larga, Universidad Do, Las Pavas, Centro de Oper, and coordinates.

IDC 29 05:45:12.7s.53.79N:90.86E, h0km, mbtmp3.0/2, ML2.7/2, Error ellipse: s-maj=28.9km s-min=22.7km az=49.0

NNC 29 05:45:17.5s.6.2.53.04N:91.04E, h0km, mb3.2, mpv2.9, Error ellipse: s-maj=46.1km s-min=34.6km az=75.0, Suspected Mining explosion.

ISC 29 05:45:14.7s.3.6.53.7N:01.907E:0.2, h0km, n9, s193/14, 7C-4D, Southwestern Siberia

Main table for 29d 6h section, columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ZALESOVO INFRA, Zalesovo Array, Zalesovo Beam, Kurchatov Arra, Makanchi Array, Songoiro Array.

NNC 29 06:00:04.2s.4.9.54.17N:87.85E, h0km, mb2.9, mpv2.6, Error ellipse: s-maj=40.1km s-min=29.6km az=16.0, Suspected Mining explosion.

IDC 29 06:00:11.4s.2.8.54.24N:87.17E, h0km, mbtmp2.8/2, ML2.6/2, Error ellipse: s-maj=23.1km s-min=15.9km az=64.0

ISC 29 06:00:06.7s.4.2.54.3N:02.876E:0.2, h0km, n8, s192/10, 5C-6D, Southwestern Siberia

Main table for 29d 6h section, columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ZALESOVO INFRA, Zalesovo Array, Zalesovo Beam, Kurchatov Arra, Makanchi Array, Songoiro Array.

IDC 29 06:04:58.3s.3.1.54.39N:86.86E, h0km, mbtmp2.7/2, ML2.2/2, Error ellipse: s-maj=24.9km s-min=17.5km az=58.0, Southwestern Siberia

Main table for 29d 6h section, columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SARMI, GENYEM, JAYAPURA, SERUI, BAKI, FAKI.

DJA 29 06:26:18.9s.0.6.2.5s.10.139E:1.4, h10km, M4.17, mb4.2/2, ML4.0/7, Near north coast of Irian Jaya

Main table for 29d 6h section, columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SARMI, GENYEM, JAYAPURA, SERUI, BAKI, FAKI.

2018 DEC

Main table for 2018 DEC section, columns: SWI, NEIC, AEIC, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Sorong, Fire Island, Palmer, Zalesovo Array, Kurchatov Arra, Makanchi Array, Songoiro Array, etc.

1924

Table for 1924 section, columns: J25K, BCAR, I26K, H19K, G23K, G21K, G24K, G19K, F20K, F19K, BMAR, G27K, E19K. Includes station names like Loma Larga, Universidad Do, Las Pavas, etc.

IDC 29 06:32:18.7s.2.3.6.22N:127.52E, h0km, mb3.4/4, mbtmp3.4/4, Error ellipse: s-maj=21.7km s-min=23.3km az=67.0

ISC 29 06:32:25.9s.1.5.6.1N:0.3.127.3E:0.3, h52km, n5, s0975/6, mb3.4/4, ID, Philippine Islands region

Main table for 1924 section, columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KCP, WRA, ASAR, MKAR, KURBB.

CATAC 29 06:44:46.6s.0.7.14.36N:92.65W, h10km, ML3.5, MEX 29 06:44:47.5s.0.9.14.43N:92.85W, h19km, 21km, MD4.2, GCG 29 06:44:45.1s.0.3.14.66N:92.39W, h65km, 11km, MD3.8

ISC 29 06:44:44.8s.1.5.14.41N:0.06.92.78W:0.03, h15km, n9km, n38, s141/52, Near coast of Chiapas

Main table for 1924 section, columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like THIG, SMCA, SMCA, CHUJ, RTAL, SULK, STG3, PCIG, Kika Raxquin, HUEH, QUIS, FUG, CCIG, GUMI, GCG4, TGIG, FAME, NUBE, UXUV, MTO3, JAYA, CMIG, HUIG, PETF, NEUV, PEIG, VHO, PMUV, YOIG, TOIG, PNIG, TXIG, HLIG, FTIG, JAUV, DAV.

IDC 29 06:45:15.8s.1.2.5.16N:125.17E, h0km, mb3.5/4, s-min=18.9km az=80.0, Error ellipse: s-maj=52.2km

ISC 29 06:45:22.5s.1.3.5.2N:0.1.125.8E:0.4, h50km, n7, s2934/7, mb3.5/4, ID, Mindanao

Main table for 1924 section, columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station DAV.

29d 7h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SELS Selova, PLE Pjevija, MRVN Minerivno Murg, etc.

2018 DEC

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AFI Afiamalu, NIUF Niue, NSVF Nonsavu, etc.

1926

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FETA Feichten, ABTA Abfattersbach, FUORNI Olenpass-Fuorn, etc.

NEIC 29 07:16:35.4±1.3, 17:23:05.0±05:174.4W±0.1, h80km,6km, mb4.6/26, Error ellipse: s-maj=16.6km s-min=5.7km az=74.0

ATH 29 07:31:30.8±3.75:2N:86:73E, h15km,2km, ML2.7/15, Manual Solution by N.Liadopoulou First location: 2018/12/29 07:31:43, This location: 2019/03/21 06:31:20

Table with columns: PYL2, Kingigos, 1.26 129 P, Pn, 07 31 52.8 -0.8, etc.

NNC 29 07:35:45.9-0.5, 49.98N:78.54E, h0km, mb2.9, mpv2.5, Error ellipse: s-maj=1.0, 1km s-min=1.9km az=78.0, Suspected Mining explosion

ISC 29 07:35:46.9-1.1, 51.004N:78.70E, h0km, mbmp2.5/2, ML2 1/2, Error ellipse: s-maj=11.9km s-min=6.7km az=65.0

ISC 29 07:35:45.8-2.3, 50.030N:007.785E:0.3, h0km, n15, c083/27, 14C-10D, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like KUR07, KUR06, KUR14, etc.

DJA 29 07:45:51.7-0.9, 0.0N:5.5x12.2E, h177km, 8km, M3.7/6, MLV3.7/6

ISC 29 07:45:55.9-2.7, 0.13S:121.50E, h262km, 27km, mb3.4/8, mbmp3.9/10, Error ellipse: s-maj=38.9km s-min=11.3km az=64.0

ISC 29 07:45:49.6-0.9, 0.23N:0.08E:122.03E:0.10, h202km, 8km, n16, c146/20, mb3.7/8, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like MRSI, APSI, LUWI, etc.

ISC 29 07:59:02.8-1.8, 54.60N:83.76E, h0km, mbmp2.7/2, ML2 1/2, Error ellipse: s-maj=15.4km s-min=10.9km az=60.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like I46RU, ZALV, ZALV, etc.

ISC 29 08:04:17.6-3.3, 54.30N:86.72E, h0km, mbmp3.0/2, ML2 7/2, Error ellipse: s-maj=25.4km s-min=14.5km az=60.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like I46RU, ZALV, etc.

Table with columns: ZALV, KURBB, KURBB, MKAR, MKAR, MKAR, etc.

IDC 29 08:08:16.3-2.8, 53.96N:86.60E, h0km, mbmp3.0/2, ML2 6/2, Error ellipse: s-maj=23.3km s-min=12.7km az=62.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like I46RU, ZALV, ZALV, etc.

DJA 29 08:15:23.6-0.5, 1.1N:2.9E, h19km, 4km, M5.2/21, mb5.2/18, mb5.6/9, MLV5.3/21, Mw4.9/38, Mw(mb)5.0/9

BUI 29 08:15:24.0, 0.96N:97.36E, h32km, mb5.0/68, mb5.4/24, Ms4.9/47, Ms7.4/747

NEIC 29 08:15:26.5-1.6, 1.08N:0.06E:97.34E:0.07, h26km, 5km, mb5.2/89, Error ellipse: s-maj=9.9km s-min=8.9km az=75.0

MOS 29 08:15:26.4-0.8, 1.11N:97.37E, h45km, mb5.2/44, Error ellipse: s-maj=9.2km s-min=4.5km az=105.7

IDC 29 08:15:28.2-2.2, 1.11N:97.38E, h46km, 20km, mb4.5/31, mbmp4.7/34, ML4.8/33, Ms4.3/23, Error ellipse: s-maj=16.2km s-min=10.8km az=61.0

ISC 29 08:15:25.8-0.3, 1.01N:0.04E:97.33E:0.04, h27km, h27km, pP-P, n402, c1930/405, mb5.0/147, MS4.5/40, 20C-9D, Northern Sumatra

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

ISC 29 08:15:26.4-0.8, 1.11N:97.37E, h45km, mb5.2/44, Error ellipse: s-maj=9.2km s-min=4.5km az=105.7

IDC 29 08:15:28.2-2.2, 1.11N:97.38E, h46km, 20km, mb4.5/31, mbmp4.7/34, ML4.8/33, Ms4.3/23, Error ellipse: s-maj=16.2km s-min=10.8km az=61.0

ISC 29 08:15:25.8-0.3, 1.01N:0.04E:97.33E:0.04, h27km, h27km, pP-P, n402, c1930/405, mb5.0/147, MS4.5/40, 20C-9D, Northern Sumatra

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

ISC 29 08:15:26.4-0.8, 1.11N:97.37E, h45km, mb5.2/44, Error ellipse: s-maj=9.2km s-min=4.5km az=105.7

IDC 29 08:15:28.2-2.2, 1.11N:97.38E, h46km, 20km, mb4.5/31, mbmp4.7/34, ML4.8/33, Ms4.3/23, Error ellipse: s-maj=16.2km s-min=10.8km az=61.0

ISC 29 08:15:25.8-0.3, 1.01N:0.04E:97.33E:0.04, h27km, h27km, pP-P, n402, c1930/405, mb5.0/147, MS4.5/40, 20C-9D, Northern Sumatra

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

ISC 29 08:04:17.6-3.3, 54.30N:86.72E, h0km, mbmp3.0/2, ML2 7/2, Error ellipse: s-maj=25.4km s-min=14.5km az=60.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like I46RU, ZALV, etc.

Table with columns: TNCH, TengChong, 23.91 3 P, P, 08 20 37.5 -0.3, etc.

Table with columns: KMI, KMI, KMI, KMI, KMI, etc.

Table with columns: KOHI, KOHIMA, SHL, SHL, SHL, etc.

Table with columns: MOKO, MOKOCHONG, LUWI, LUWI, PZH, PZH, etc.

Table with columns: GTK, GTK, DAV, DAV, SOEI, SOEI, etc.

Table with columns: LSA, LSA, NRDN, NRDN, JHNI, JHNI, etc.

Table with columns: XAN, XAN, XAN, XAN, XAN, etc.

Table with columns: FAKI, FAKI, LZH, LZH, LZH, etc.

Table with columns: SMLA, SMLA, HNLV, HNLV, LYN, LYN, etc.

Table with columns: MTN, MTN, DHRM, DHRM, THN, THN, etc.

Table with columns: JOW, JOW, JOW, JOW, JOW, etc.

29d 8h

Table with columns for station name, frequency, power, and other technical details. Includes stations like JOW Kunigami, NIL Nilore, WRKA Warakuma, etc.

2018 DEC

Table with columns for station name, frequency, power, and other technical details. Includes stations like TNSS Tian-Shan, MDOK Medeo, BTK Batken, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like CTA Charters Tower, CTAO Charters Tower, QLP Quilpie, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like ANN, VRH, NRK, KIRV, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like DPC, CHVC, NRK, KIRV, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like FORT, ASAR, WUS, etc.

29d 8h

Table with columns: Station Name, Frequency, Mode, Band, and other technical details. Includes stations like STHK, SCOD, WIMIS, etc.

2018 DEC

Table with columns: Station Name, Frequency, Mode, Band, and other technical details. Includes stations like MANO, UBR, MEZF, etc.

1930

Table with columns: Station Name, Frequency, Mode, Band, and other technical details. Includes stations like LDF, ZVC, FLN, etc.

AGUA GUANDACOL	1.82 209	eP	Pn	08 45 44.9 +1.2
AGUA		eS	Sn	08 46 10.2 +1.5
AGUA		IAML		08 46 11.6
comp=Z,1.1um,0.5s				
AHML Horco Molle	2.21 61	eP	Pn	08 45 49.1 +0.7
AHML		eS	Sn	08 46 16.6 -0.2
AHML		IAML		08 46 21.7
comp=Z,1.17nm,0.6s				
FSA Cafayete	2.23 38	eP	Pn	08 45 50.0 +1.4
FSA		eS	Sn	08 46 19.9 +2.6
APLL PUNTA DE LOS L	2.64 162	eP	Pn	08 45 54.2 +0.6
APLL		eS	Sn	08 46 26.2 -0.2
ACDV Cuesta del Vie	2.68 212	eP	Pn	08 45 55.6 +1.3
ACDV		eS	Sn	08 46 30.2 +2.7
ACDV		IAML		08 46 30.4
comp=Z,1.18nm,0.4s				
AVFE Valle Fertil	2.76 179	eP	Pn	08 45 56.0 +0.8
AVFE		eS	Sn	08 46 28.2 -1.0
AVFE		IAML		08 46 30.3
comp=Z,2.07nm,0.7s				
AROD Rodeo	2.86 217	eP	Pn	08 45 58.2 +1.6
AROD		eS	Sn	08 45 59.9 +1.1
ACCO Cerro Coronel	3.02 207	eP	Pn	08 46 36.8 +1.3
ACCO		eS	Sn	08 45 59.2 +0.3
LCO Las Campanas	3.04 248	eP	Pn	08 46 36.2 +0.5
LCO		eS	Sn	08 46 36.7
LCO		IAML		08 46 36.7
comp=Z,4.75nm,0.5s				
CO01 Juntas del Tor	3.09 227	eP	Pn	08 46 00.7 +1.2
CO01		eS	Sn	08 46 39.9 +3.1
CO01		IAML		08 46 41.1
comp=Z,1.08nm,0.8s				
AC04 Llanos de Chal	3.18 263	eP	Pn	08 46 00.1 -0.4
AC04		eS	Sn	08 46 37.3 -1.3
AC04		IAML		08 46 43.9
comp=Z,9.9nm,0.4s				
AC01 Pan de Azucar	3.27 301	eP	Pn	08 46 01.3 -0.3
AC01		eS	Sn	08 46 38.0 -2.6
AC01		IAML		08 46 38.0
comp=Z,8.9nm,0.4s				
AC01		eS	Sn	08 46 38.0 -2.6
G002 Mina Guanaco	3.30 325	eP	S	08 46 03.2 +0.9
G002		eS	Sn	08 46 03.6 +0.6
ACHE Chepes	3.34 168	eP	Pn	08 46 04.0 +1.3
DOCA Reserva Natura	3.35 204	eP	Pn	08 46 03.6 +0.6
DOCA		eS	Sn	08 46 43.8 +0.6
RTLL Cerro Villicun	3.54 194	eP	Pn	08 46 06.0 +0.9
RTLL		eS	Sn	08 46 46.4 -0.5
SLA San Lorenzo	3.62 30	eP	Pn	08 46 07.9 +1.4
SLA		eS	Sn	08 46 52.1 +3.0
SLA		IAML		08 46 52.7
comp=Z,3.7nm,1.5s				
G004 Tololo Observa	3.68 231	eP	Pn	08 46 07.2 -0.1
G004		eS	Sn	08 46 51.8 +1.1
Zonda	3.79 195	eP	Pn	08 46 09.1 +0.7
ZON		eS	Sn	08 46 46.4 -6.5
ZON		IAML		08 46 53.7
comp=Z,6.0nm,0.7s				
CO03 El Pedregal	4.05 223	eP	Pn	08 46 12.2 +0.3
CO03		eS	Sn	08 47 00.8 +1.6
CO03		IAML		08 47 02.2
comp=Z,1.12nm,0.4s				
RTLS Leonicito	4.20 201	eP	Pn	08 46 14.8 +0.7
RTLS		eS	Sn	08 47 08.2
AZAP Zapla	4.25 31	eP	Pn	08 46 15.4 +0.6
AZAP		eS	Sn	08 47 16.8
comp=Z,3.4nm,1.2s				
PB15 IPOC Station P	4.99 339	eP	Pn	08 46 25.3 +0.8
PB15		eS	Sn	08 47 34.7
comp=Z,4.8nm,0.2s				
CPUP Villa Florida	9.19 83	P	Pn	08 47 17.7 -2.8
MURT Porto Murtino	10.91 58	P	Pn	08 47 42.3 -1.1
LPZA La Paz	11.56 357	P	Pn	08 47 51.4 -1.2
BDQN Bodoquena, MS	12.28 55	eP	Pn	08 48 02.8 +1.3
PATG Pitanga	14.20 81	eP	Pn	08 48 25.4 -0.7
LDAS Londrina, Braz	15.43 77	eP	Pn	08 48 01.5 0.0
SALV Santo Antonio	16.18 45	eP	Pn	08 48 49.2 -1.4
FRFB Fatura	16.79 78	eP	P	08 48 57.9 0.0
ITRB Iturama	17.66 66	eP	P	08 49 07.4 -0.1
PRDB Porto das Gac	19.08 34	eP	P	08 49 21.3 -1.7
IPMB Ipameri, G	20.29 65	eP	P	08 49 34.0 -2.0
CZSB Cruzeiro do Su	20.65 345	eP	P	08 49 40.5 +0.6
BDFB Brasilia	21.77 60	eP	P	08 49 50.4 -1.6
comp=Z,1.3nm,0.3s, baz=216,slow=12,SNR=5.4				
QSPA South Pole Qui	62.23 180	P	P	08 55 19.4 +0.9
QSPA		eS	Sn	08 55 19.4 +0.9
comp=Z,0.7nm,0.3s, baz=223,slow=1.8,SNR=3.6				
TXAR Lajitas Array	66.60 326	P	P	08 55 47.1 +0.5
TXAR		eS	Sn	08 55 47.1 +0.5
comp=Z,0.2nm,0.5s, baz=162,slow=4.4,SNR=1.5				
DBIC Dimbokro	69.49 70	P	P	08 56 07.1 +2.3
DBIC		eS	Sn	08 56 07.1 +2.3
comp=Z,1.1nm,0.7s, baz=216,slow=8.7,SNR=4.3				
TORD Torodi Arr Qui	78.39 68	P	P	08 56 56.8 +0.2
TORD		eS	Sn	08 56 56.8 +0.2
comp=Z,0.9nm,0.6s, baz=251,slow=3.1,SNR=6.7				
PDAR Pinedale Array	80.26 330	P	P	08 57 07.3 +0.9
PDAR		eS	Sn	08 57 07.3 +0.9
comp=Z,0.4nm,0.7s, baz=183,slow=8.0,SNR=4.5				
WRA Warramunga Arr	127.97 206	PKP	PKP	09 04 00.2 -0.9
WRA		eS	Pn	09 04 36.4 -0.5
ZALV Zalesovo Beam	1.00 270	PKPbc	PKPbc	09 04 36.4 -0.5
ZALV		eS	Pn	09 04 44.5 -0.7
comp=Z,1.6nm,0.5s, baz=313,slow=3.1,SNR=6.6				
MKAR Makanchi Array	149.72 43	PKPbc	PKPbc	09 04 44.5 -0.7
MKAR		eS	Pn	09 04 44.5 -0.7
comp=Z,0.6nm,0.6s, baz=305,slow=2.8,SNR=5.9				

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OK052	comp=E,117nm,0.2s	IAML		08 47 22.9
OK052		IAML		08 47 22.9
comp=E,1.03nm,0.3s				
W35A Tecumseh	0.67 140	Pg	Sg	08 47 15.7 -0.3
W35A		eS	Sn	08 47 25.1 +0.4
W35A		IAML		08 47 28.0
comp=E,6.2nm,0.4s				
DEOK Depew	0.75 76	Pg	Sg	08 47 17.2 -0.3
DEOK		eS	Sn	08 47 27.5 +0.2
DEOK		IAML		08 47 27.7
comp=E,9.9nm,0.4s				
DEOK		IAML		08 47 27.8
comp=N,7.3nm,0.2s				
QUOK QUOK	0.75 48	Pg	Sg	08 47 17.4 -0.1
QUOK		eS	Sn	08 47 26.0 +0.2
QUOK		IAML		08 47 28.0
comp=N,1.95nm,0.3s				
QUOK		IAML		08 47 28.0
comp=E,9.9nm,0.2s				
OK051 E0350 and S346	0.95 28	Pg	Sg	08 47 21.0 -0.3
OK051		eS	Sn	08 47 33.6 -0.1
CROK Carrier	0.96 330	Pg	Sg	08 47 20.5 -1.0
CSTR Hydro, Custer	1.05 269	Pg	Sg	08 47 23.3 0.0
LEONARD Leonard	1.33 79	Pg	Sb	08 47 36.9 -1.0
TUL3 Leonard		Pg	Sb	08 47 40.5 -0.2
TUL3		IAML		08 47 46.2
comp=E,3.6nm,0.3s				
TUL3		IAML		08 47 46.4
comp=N,20nm,0.3s				
KAN13 South Haven SW	1.34 357	Pn		08 47 27.5 -0.5
KAN14 Manchester OK	1.36 341	Iamb_Lg		08 47 47.1
comp=Z,1.3nm,0.8s				
KAN17 Caldwell West	1.41 348	Pn		08 47 28.1 -0.8
WNOK Wichita Mounta	1.47 231	Pn		08 47 29.5 -0.2
KAN09 Caldwell North	1.48 353	Pn		08 47 29.5 -0.3
WTF5 Wichita Falls	2.09 205	Iamb_Lg		08 48 10.1
comp=Z,4.4nm,0.8s				
X40A Basin Creek Pa	3.92 106	Iamb_Lg		08 49 13.8
comp=Z,2.1nm,0.9s				
N38A Jones South For	6.07 31	Iamb_Lg		08 50 20.6
comp=Z,6.2nm,0.8s				
HND0 Hondo	6.33 195	Iamb_Lg		08 50 25.1
comp=Z,4.4nm,0.8s				

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KAN12 Harper NE Stat	1.71 344		Pn	08 49 15.4 +0.1
RLO Rose Lookout	1.99 74		Pb	08 49 19.7 +0.6
WTF5 Wichita Falls	2.05 205		Pb	08 49 22.0 -1.0
Z35A Perchaven, San	2.32 177		Pn	08 49 24.5 +0.9
SMWD Samnorwood	2.40 258		Pn	08 49 25.5 +0.9
USBA Gravette	2.56 71		Pn	08 49 28.7 +1.3
FW06 Azle	2.68 183		Pn	08 49 27.5 -1.0
FW06		Iamb_Lg		08 50 07.6
comp=Z,1.1nm,0.8s				
PLPT Palo Pinto	2.94 195	Iamb_Lg		08 50 23.5
comp=Z,1.9nm,1.1s				
FW07 Weatherford	2.96 186	Iamb_Lg		08 50 24.2
comp=Z,1.2nm,0.9s				
KSU1 Kansas State U	3.50 10	Iamb_Lg		08 50 43.4
comp=Z,1.9nm,0.7s				
DKNS Dickens	3.52 237	Iamb_Lg		08 50 39.6
comp=Z,1.3nm,1.1s				
ABTX Abilene, Hawle	3.55 212	Iamb_Lg		08 50 44.2
comp=Z,2.2nm,0.9s				
CBKS Cedar Bluff	3.67 330	Iamb_Lg		08 50 42.1
comp=Z,1.6nm,0.8s				
S39A Bolivar	3.85 57	Iamb		

29d 9h

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1932

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like LDIP, MSLP, TBP, ZCP, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like WBSI, BASI, KSM, Kuching, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like WRAB, WRA, WRA, WRA, etc.

1933

PZH	comp=Z,310nm,5.1s	LR	LR		
PZH	comp=Z,710nm,17.3s	LR	LR		
PZH	comp=Z,520nm,17.1s	LR	LR		
CTA	comp=Z,630nm,18.3s	LR	LR	09 34 55.3	
CTAO	Charters Tower 31.96 144	P	P	09 19 22.3 +0.9	
CTAO	Charters Tower 31.96 144	P	P	09 19 22.9 +1.5	
CTAO	Charters Tower 31.96 144	P	P	09 19 22.3 +0.9	
MJAR	comp=Z,27nm,0.9s	P	P	09 19 21.7 -2.7	
MJAR	Matsushiro Arr 32.33 17	P	P	09 22 11.3 +0.3	
MJAR	comp=Z,6.4nm,0.7s,baz=170,slow=3.1,SNR=5.9	LR	LR	09 31 20.7	
MAJO	comp=Z,781nm,21.4s,baz=223,slow=34	LR	LR		
MAJO	Matsushiro 32.33 17	P	P	09 19 23.1 -1.2	
MAJO	Matsushiro 32.33 17	P	P	09 19 25.0 +0.6	
MAJO	Matsushiro 32.33 17U	eP	eP	09 19 23.2 -1.2	
MAJO	comp=Z,35nm,0.8s	P	P	09 19 22.1 -2.3	
MAJO	Matsushiro 32.33 17	P	P	09 19 23.9 -0.5	
MJB	Matsu-Tunnel 32.33 17	P	P	09 19 27.0 -0.8	
XAN	Xi'an 32.71 332	P	P	09 19 44.8 -2.8	
XAN	comp=Z,220nm,0.9s	P	P	09 24 40.0 +0.4	
XAN	comp=Z,270nm,4.3s	P	P		
XAN	comp=Z,1µm,21.0s	LR	LR		
XAN	comp=Z,1µm,23.5s	LR	LR		
XAN	comp=Z,2µm,22.3s	P	P	09 19 27.2 -0.6	
XAN	Xi'an 32.71 332	P	P	09 19 41.3 -1.9	
XAN		P	P	09 19 47.6 0.0	
XAN		P	P	09 22 12.3 +0.1	
CD2	Chengdu 33.15 322	P	P	09 19 31.8 +0.1	
CD2		S	S	09 24 49.8 +3.3	
CD2	comp=Z,70nm,0.8s	P	P		
CD2	comp=Z,1µm,15.3s	LR	LR		
CD2	comp=Z,660nm,12.8s	LR	LR		
MEEK	Meekatharra 33.21 194	P	P	09 19 31.6 -0.6	
MEEK	Meekatharra 33.21 194	P	P	09 19 32.5 +0.3	
DL2	Dalian 33.34 352	P	P	09 19 33.3 +0.3	
HNS	comp=Z,130nm,1.0s	P	P	09 19 32.5 -1.2	
HNS	HongShan 33.40 342	P	P	09 19 54.3 -2.3	
HNS		P	P	09 22 14.8 +0.9	
HNS		P	P	09 24 45.0 -5.1	
HNS		P	P	09 25 56.5 +3.8	
HNS		P	P	09 29 58.0 +4.4	
HNS	comp=Z,260nm,0.9s	P	P		
HNS	comp=Z,750nm,4.8s	P	P		
HNS	comp=Z,550nm,17.5s	LR	LR		
HNS	comp=Z,430nm,20.7s	LR	LR		
HNS	comp=Z,510nm,22.1s	LR	LR		
JMM	Marunori 34.35 20	P	P	09 19 41.1 -0.9	
JMM	Marunori 34.35 20	P	P	09 19 42.2 +0.2	
ODD	Oddnadatta 34.42 166	P	P	09 19 44.9 +2.2	
TIY	Taiyuan 34.43 339	eP	eP	09 19 43.0 +0.2	
TIY		P	P	09 20 56.0 -3.7	
TIY		S	S	09 25 08.8 +2.6	
TIY	comp=Z,55nm,0.6s	P	P		
TIY	comp=Z,370nm,4.1s	LR	LR		
TIY	comp=Z,340nm,12.4s	LR	LR		
TIY	comp=Z,290nm,12.4s	LR	LR		
TIY	comp=Z,290nm,19.2s	LR	LR		
BJT	Baijiatau 35.45 346	P	P	09 19 52.8 +1.4	
BJT	Baijiatau 35.45 346	P	P	09 19 52.8 +1.4	
BJT	Beijing 35.47 346	P	P	09 19 50.5 -1.0	
BJT	comp=Z,110nm,0.9s	P	P		
INKA	Innaminka 35.89 159	P	P	09 19 56.9 +1.6	
SNY	Shenyang 36.03 356	P	P	09 19 55.5 -0.8	
SNY		S	S	09 25 31.0 +0.6	
SNY	comp=Z,75nm,1.0s	P	P		
SNY	comp=Z,470nm,5.5s	LR	LR		
SNY	comp=Z,550nm,19.7s	LR	LR		
SNY	comp=Z,550nm,22.0s	LR	LR		
MORW	Morawa 36.19 196	P	P	09 19 57.6 -0.2	
MORW	comp=Z,59nm,1.1s	IAMB	IAMB	09 20 23.6	
MORW	Morawa 36.19 196	P	P	09 19 57.8 0.0	
MORW	comp=Z,56nm,1.0s	P	P		
HR	Honiara 36.21 114	LR	LR	09 19 58.7 +0.9	
QLP	Quilpie 36.27 153	P	P	09 19 58.5 -0.1	
QLP	comp=Z,72nm,1.2s	P	P		
FORT	Forrest 36.36 178	P	P	09 19 59.0 +0.4	
FORT		IAMB	IAMB	09 19 58.9 -0.4	
FORT	comp=Z,84nm,0.8s	P	P	09 19 59.2 -0.1	
FORT	comp=Z,116nm,0.9s	P	P	09 20 01.1 +1.9	
FORT	Forrest 36.36 178	P	P	09 20 04.8 +1.0	
LZH	Lanzhou 36.87 328	P	P	09 20 20.0 +0.7	
LZH		P	P	09 20 30.5 +3.7	
LZH		S	S	09 20 30.5 +3.7	
LZH		ScP	ScP	09 26 09.0 +3.5	
LZH	comp=Z,240nm,1.1s	P	P		
LZH	comp=Z,790nm,7.4s	LR	LR		
LZH	comp=Z,1µm,19.9s	LR	LR		
LZH	comp=Z,1µm,19.4s	LR	LR		
KMBL	Kambalda 37.24 187	P	P	09 20 06.8 +0.1	
KMBL	Kambalda 37.24 187	P	P	09 20 07.9 +1.1	
BLDU	Ballidu 37.48 195	P	P	09 20 08.6 -0.1	
BLDU	Ballidu 37.48 195	P	P	09 20 10.2 +1.4	
HHC	Hu-ho-hao-te 37.54 341	P	P	09 20 08.8 -0.6	
HHC		eP	eP	09 20 35.0 +2.5	
HHC		P	P	09 21 39.8 +2.0	
HHC	comp=Z,68nm,0.9s	P	P		
HHC	comp=Z,450nm,3.6s	LR	LR		
HHC	comp=Z,300nm,12.6s	LR	LR		
HHC	comp=Z,330nm,14.1s	LR	LR		
HHC	comp=Z,330nm,14.1s	LR	LR		
LCKR	Leigh Creek 37.60 164	P	P	09 20 11.3 +1.5	
BTO	Baotou 37.86 339	eP	eP	09 20 16.0 +4.0	
BTO		P	P	09 20 31.3 -0.5	
BTO		ScP	ScP	09 20 38.5 +3.4	

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BTO		PP	PnPn	09 21 48.0 +6.5	
BTO		S	S	09 26 06.3 +7.8	
BTO		S	S	09 26 29.5 +4.7	
BTO	comp=Z,58nm,0.7s	P	P		
BTO	comp=Z,690nm,4.3s	P	P		
BTO	comp=Z,1µm,13.9s	LR	LR		
BTO	comp=Z,960nm,21.0s	LR	LR		
BN2	comp=Z,1µm,23.1s	LR	LR		
BN2	Changchun 37.90 358	eP	eP	09 20 15.3 +3.1	
BN2		P	P	09 20 33.5 -1.8	
BRDH	comp=Z,10.0nm,1.0s	LR	LR	09 39 05.9	
BRDH	Bariadhala 37.96 300	LR	LR		
KLBR	comp=Z,384nm,1.8s,baz=126,slow=41	P	P	09 20 14.4 -0.2	
KLBR	Kellerberrin 38.17 193	P	P	09 20 15.2 +0.6	
USAOB	USSuriysk Arra 38.53 6	P	P	09 20 16.3 -1.2	
USAOB	USSuriysk Arra 38.53 6	P	P	09 20 16.3 -1.2	
USAOB	comp=Z,28nm,0.9s	P	P		
USRKR	USSuriysk Arr 38.53 6	P	P	09 20 16.7 -0.8	
USRKR	comp=Z,17nm,0.5s,baz=177,slow=6.9,SNR=26	LR	LR	09 35 44.6	
USRKR	comp=Z,173nm,21.2s,baz=183,slow=36	LR	LR		
MDJ	Mudanjiang 38.76 3	P	P	09 20 19.5 +0.1	
MDJ		P	P	09 20 36.9 +1.3	
MDJ		ScP	ScP	09 22 29.8 0.0	
MDJ		S	S	09 26 20.8 +8.9	
MDJ	comp=Z,31nm,0.8s	P	P		
MDJ	comp=Z,340nm,3.8s	P	P		
MDJ	comp=Z,1µm,23.1s	LR	LR		
MDJ	Mudanjiang 38.76 3	P	P	09 20 20.9 +1.5	
MDJ	Mudanjiang 38.76 3	P	P	09 22 29.8 0.0	
EIDS	Eidsvold 38.85 144	P	P	09 20 19.5 -0.9	
EIDS	Eidsvold 38.85 144	P	P	09 20 18.6 -1.8	
EIDS	comp=Z,93nm,1.7s	P	P		
EIDS	Eidsvold 38.85 144	P	P	09 20 21.5 +1.1	
EIDS	Eidsvold 38.85 144	P	P	09 20 20.6 -0.2	
EIDS	comp=Z,83nm,0.9s	P	P		
SHL	Shillong 38.86 304	P	P	09 20 20.5 -0.2	
SHL	Shillong 38.86 304	P	P	09 20 20.6 -0.2	
SHL	comp=Z,83nm,0.9s	P	P		
MUN	Mundaring 39.80 195	P	P	09 20 20.5 -0.2	
MUN	Mundaring 39.80 195	P	P	09 20 21.9 +1.2	
XLT	XiLinHaoTe 39.16 348	eP	eP	09 20 21.5 -1.4	
XLT	comp=Z,110nm,0.8s	P	P		
BBOO	Buckleboob 39.34 168	P	P	09 20 24.6 +0.2	
BBOO	comp=Z,106nm,1.4s	IAMB	IAMB	09 21 00.1	
BBOO	Buckleboob 39.34 168	P	P	09 20 24.6 +0.2	
BBOO	Buckleboob 39.34 168	P	P	09 20 25.8 +1.4	
NWAO	Narrogin (SRO) 39.57 193	IAMB	IAMB	09 20 28.3	
NWAO	Narrogin (SRO) 39.57 193	LR	LR	09 38 15.0	
NWAO	Narrogin (SRO) 39.57 193	P	P	09 20 27.3 +1.0	
NWAO	Narrogin (SRO) 39.57 193	P	P	09 20 27.2 +1.0	
NWAO	Narrogin (SRO) 39.57 193	P	P	09 20 26.7 +0.4	
NWAO	comp=Z,99nm,1.0s	P	P		
NWAO	Narrogin (SRO) 39.57 193	P	P	09 20 27.1 +0.8	
NWAO	Narrogin (SRO) 39.57 193	P	P	09 20 41.4 +0.7	
NWAO	Narrogin (SRO) 39.57 193	P	P	09 20 28.0 -0.2	
NWAO	comp=Z,99nm,1.0s	P	P		
NWAO	Narrogin (SRO) 39.57 193	P	P	09 20 27.1 +0.8	
NWAO	Narrogin (SRO) 39.57 193	P	P	09 20 27.2 +1.0	
NWAO	Narrogin (SRO) 39.57 193	P	P	09 20 28.0 -0.2	
NWAO	comp=Z,55nm,0.6s,baz=228,slow=9.4,SNR=40	P	P		
ASAJ	Asahikawa 40.60 17	P	P	09 20 34.3 -0.4	
ASAJ	comp=Z,57nm,0.6s	P	P		
JKA	Kamikawa-asahi 40.60 17	P	P	09 20 34.3 -0.4	
JKA	comp=Z,57nm,0.6s	IAMB	IAMB	09 20 38.7	
HTT	Hallett 40.61 165	P	P	09 20 35.5 +0.6	
HTT	comp=Z,38nm,1.2s	P	P		
H1S3	WAKE ISLAND Hy 40.77 68	T	T	09 20 36.5 +1.5	
H1S3	WAKE ISLAND Hy 40.77 68	T	T	10 04 52.4	
H1S1	WAKE ISLAND Hy 40.78 68	T	T	10 04 51.4	
H1S2	WAKE ISLAND Hy 40.78 68	T	T	10 04 54.7	
TW1H	Toowoomba 1 Ha 41.02 145	P	P	09 20 39.7 +1.2	
CMSA	Cobar Meteorol 41.20 155	P	P	09 20 40.4 +0.7	
CMSA	Cobar Meteorol 41.20 155	P	P	09 20 41.3 +1.5	
H1N1	WAKE ISLAND Hy 41.24 67	T	T	10 05 25.6	
RKGY	Rocky Gully 41.24 192	P	P	09 20 41.8 +1.8	
RKGY	Rocky Gully 41.24 192	P	P	09 20 41.9 +1.8	
H1N2	WAKE ISLAND Hy 41.25 67	T	T	10 05 43.3	
H1N3	WAKE ISLAND Hy 41.26 67	T	T	10 05 28.0	
LSA	Lhasa 41.27 310	P	P	09 20 41.7 +0.7	
LSA	SNR=5.8	P	P		
LSA	Lhasa 41.27 310	P	P	09 20 41.8 +0.8	
LSA	comp=Z,27nm,1.1s	P	P		
AUALB	St Joseph's Co 41.43 191	P	P	09 20 43.1 +1.5	
GTA	Gaotai 41.47 328	P	P	09 20 42.8 +0.7	
GTA	comp=Z,40nm,1.3s	P	P	09 20 55.5 -2.4	

29d 9h

Table listing station call signs (e.g., G30M, DK1M), frequencies, and other technical details for stations in the 29d 9h region.

2018 DEC

Table listing station call signs (e.g., AKBB, ARBB), frequencies, and other technical details for stations in the 2018 DEC region.

1936

Table listing station call signs (e.g., SURR, HERR), frequencies, and other technical details for stations in the 1936 region.

1937

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station details. Includes stations like VNA1 Neumayer-Stat, PDAR Pinedale Array, PDAR Lac du Bonnet, etc.

2018 DEC

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station details. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, KURBB Kurchatov Arra, etc.

29d 10h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station details. Includes stations like I46RU ZALESOVO INFRA, ZAAO Zalesovo Array, ZALV Zalesovo Beam, etc.

IDC 29 09:19:50.52, 7.54, 20N-86.63E, h0km, mbtmp3.3/3, ML2.7/3, Error ellipse: s-maj=24.6km s-min=13.8km az=60.0, Southwestern Siberia

NMC 29 09:40:07.0, 2.54, 28N-86.22E, h0km, mbtmp3.1/2, Error ellipse: s-maj=39.4km s-min=21.4km az=168.0, Suspected Mining explosion.

RSNC 29 10:33:24.2, 0.7, 7N-173W, h145km, 2km, M2.9, mbB6.1, ML2.7, Mw(mb)5.8, Northern Chukotka

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like UREC, GUY2C, VILC, etc.

SOME 29 10:36:50.5, 39:170N:75:85E, h15km
NNC 29 10:36:51.9, 2.0, 39:81N:75:93E, h0km, mb3.5, mpv3.1
Error ellipse: s-maj=13.6km s-min=12.2km az=140.0

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like NRN, ARS, ULHL, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like KPKS, MOCB, YJA, etc.

ISC 29 10:37:16.2, 0.8, 21:42S:0:05:66:80W:0:05, h207km, n37,
e196/38, mb3.7/4, Southern Bolivia

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like ZKR, KARP, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like APE, IZZE, FETY, etc.

29d 13h

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ARCES, SODANKYL, OULANKA, RIEKKI, HETTA, KAUTOKEINO, ROVANIEMI, FAUSKE.

IDC 29 11:31:58.5-1.2, 53°21'N-63°08'E, h0km, mb3.7/1, mbmp3.1/4, ML2.4/3, Error ellipse: s-maj=23.4km s-min=9.6km az=163.0

NNC 29 11:32:03.1-1.6, 53°06'N-63°25'E, h0km, mb3.1, mpv2.7, Error ellipse: s-maj=29.4km s-min=5.9km az=153.0, Suspected Mining explosion.

ISC 29 11:31:58.9-1.1, 53°27'N-068°63.09E, h0km, n10, e1540/11, 6C-2D, Western Kazakhstan

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ARTI, AKTO, I31KZ, BVAO, BVAR, AB31, I46R9, I43R9, FINES.

GII 29 11:42:03.0-2.0, 33°58'N-0°02'-35°81'E, h0km, confirmed

GRAL 29 11:42:07.0-3.0, 33°47'N-35°69'E, h0km, 24km, MD2.5

ISC 29 11:42:06.6-1.2, 33°47'N-0°02'-35°73'E, h0km, n18, e0512/10, Jordan-Syria region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ORWL, SHBL, GEM, DQRL, BHL, MMCT, MAA08, MMH08, HWQ, FKX, OFRI, OFRI, MWML, MWML, HMDT, HMDT.

IDC 29 11:47:15.2-1.7, 1°04'N-91°87'E, h0km, mb3.5/6, mbmp3.6/9, ML3.9/3, MS3.0/2, Error ellipse: s-maj=46.8km s-min=21.4km az=50.0

ISC 29 11:47:16.7-1.4, 1°11'02.9133E, h0km, n16, e0577/10, mb3.6/6, North Indian Ocean

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PSI, PALK, CMAR, H08S2, H08S3, H08S1, MKAR, WRA, ASAR, SONM, KURB8, ZALV, H04N2, H04N1, H04N3.

IDC 29 12:09:17.5-1.9, 13°78'N-91°20'W, h0km, mb3.1/3, mbmp3.3/6, ML3.9/3, Error ellipse: s-maj=34.6km s-min=19.2km az=35.0

CATAC 29 12:09:20.7-0.7, 13°79'N-91°01'W, h26km, 8km, ML4.2

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GCG 29 12:09:24.5-0.4, 14°17'N-91°06'W, h53km, 11km, MD4.0

SNET 29 12:09:28.6-2.0, 13°41'N-90°20'W, h26km, ML3.9

ISC 29 12:09:19.7-1.5, 13°79'N-0°05-91°01'W-0°03, h20km, 5km, n78, e097/103, mb3.0/3, 1C-3D, Near coast of Guatemala

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like FUG, PCG, SULLI, GUMI, RTAL, NBG, STG3, SOKI, NUBE, LOAL, SLOZ, RTR, CEVE, SBLS, SNJE, UNIC, QUIS, JAYA, CEDA, HUEH, PMON, LALI, BOOS, MTO3, UUES, PANC, ESQI, LOMA, UDFS, LFRS, PAVA, COEG, SNVI, UJES, TECO, SCLA, PSCA, TECA, PACA, CCIG, LOND, AMPH, COMH, CSGN, CHOHN, CRIN, YUSH, PACN, MACN, CMIG, CMIG.

comp=Z, 6.4nm, 0.3s, baz=60, slow=14, SNR=5.8

JTS Las Juntas de 6.87 120 Pn Pn 12 11 01.6 +2.1

JTS comp=Z, 3.7nm, 0.3s, baz=300, slow=16, SNR=11.1

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TEIG, TEIG, TEIG, TXAR, PDAR, NVAR, YKA, SOEI, SOEI, MMRI, BATI, BATI, BATI, WBSI, DR5, MTN, KDU, FITZ, WRA, WRA, WRKA, ASAR, ASAR, AS01, MEEK, QIS, OOD, FOR, BB00, STKA, MKAR, URZ, URZ, CTA, STKA, ASAR, WRA, FITZ, GQSA, THE, KYP5, ATH, LTHK, LTHK, LTHK, LTHK, ORTH, ORTH, KIPSEI, CLEM, CLEM, RTZL, PSDA, PSDA, VLS, VLS, VLS, VLS, DMLN, DMLN, DMLN, AMT, AMT, AMT, RLS, RLS.

1940

DJA 29 12:28:03.0-3.4, 8°S-17°x12°4E±1°5, h202km, 32km, M3 6/7, MLV3.6/7

IDC 29 12:11:31.3-1.3, 8°73'S-123°11'E, h202km, 9km, mb3.2/2, mbmp3.9/5, Error ellipse: s-maj=54.1km s-min=10.4km az=57.0

ISC 29 12:28:10.1±1.2, 8°45'0.1-123°76'E, h09, h200km, n22, e256/24, Flores region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SOEI, SOEI, MMRI, BATI, BATI, BATI, WBSI, DR5, MTN, KDU, FITZ, WRA, WRA, WRKA, ASAR, ASAR, AS01, MEEK, QIS, OOD, FOR, BB00, STKA, MKAR.

IDC 29 12:44:19.0-10.0, 24°05'S-179°60'W, h490km, 87km, mb3.2/6, mbmp4.1/7, Error ellipse: s-maj=101.7km s-min=22.1km az=44.0

ISC 29 12:44:22.0-2.9, 24°35'S-179°9'W, h350km, n7, e0568/18, mb3.7/6, South of Fiji Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like URZ, URZ, CTA, STKA, ASAR, WRA, FITZ, GQSA.

THE 29 13:09:02.9, 37°42'N-20°53'E, h6km, ML3.1/13, Error ellipse: s-maj=1.1km s-min=0.5km az=56.0

IDC 29 13:09:03.2-3.1, 37°76'N-21°02'E, h0km, mb3.4/5, mbmp3.4/6, ML3.3/1, Error ellipse: s-maj=64.8km s-min=31.4km az=3.0

ATH 29 13:09:03.1, 37°43'N-20°52'E, h13km, 2km, ML3.2/12, Error ellipse: s-maj=3.2km s-min=1.2km az=25.0

ISC 29 13:09:03.0-1.5, 37°43'N-20°53'E-05.0, h13km, 8km, n45, e099/66, mb3.5/5, Ionian Sea

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like LTHK, LTHK, LTHK, LTHK, ORTH, ORTH, KIPSEI, CLEM, CLEM, RTZL, PSDA, PSDA, VLS, VLS, VLS, VLS, DMLN, DMLN, DMLN, AMT, AMT, AMT, RLS, RLS.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers like RLS, RLS, RLS, etc.

ICD 29 13:14:21.9; 1.3; 55.59N; 164.44E, h0km, mb3.3/9, mltmp3.3/10, ML2.6/1, Error ellipse: s-maj=47.5km

KRSC 29 13:14:22.6; 1.0; 55.44N; 164.41E, h61km, 22km, ML3.8

ICD 29 13:14:24.3; 0.7; 55.47N; 164.33E, 0.04, h22km, n26, s=133/30, mb3.4/9, Komandorsky Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers like BKI, Bering, EKI, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers like AFAD, Kutahya, Merke, etc.

ICD 29 13:30:38.7; 2.7; 6.5; 5.10^3E, h14km, 25km, M3.7/6, MLV3.7/6

ICD 29 13:30:58.7; 12.0; 5.46S; 103.22E, h141km, 110km, mb3.0/6, mbtmp3.4/6, Error ellipse: s-maj=163.7km

ICD 29 13:30:42.0; 1.4; 6.35S; 0.1^10328E, 0.10, h35km, n15, s=0569/13, mb3.3/6, Southwest of Sumatara

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers like ARMT, Armutlu, MDNY, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers like WCKO, Minshuang, CHN2, etc.

29d 13h

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Lists stations like TSMG, SGLT, TWD, etc. with their respective coordinates and parameters.

SOME 29 13:48:40.2, 39.70N, 74.17E, h5km
IDC 29 13:48:41.0, 1.4, 39.28N, 74.39E, h0km, mb3.6/6,
mbtm3.6/7, ML2.4/2, MS3.1/2, Error ellipse: s-maj=33.7km
s-min=22.8km az=55.0

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Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Lists stations like SALK, Osh, ARSB, etc. with their respective coordinates and parameters.

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Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Lists stations like ASAR, IDC 29 13:53:17.0, etc. with their respective coordinates and parameters.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like Mina Casimiro, Zonda, Cerro Villacun, San Esteban, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like Juan Fernandez, Alice Springs, Curacao, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like Keihoku, Petropavlovsk, Magadan, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like IDC 29 14:03:18, GSPA South Pole Qui, etc.

29d 14h

Table with columns for station name, frequency, mode, and coordinates. Includes stations like E23K, TOLK, E24K, G24K, ILAR, E25K, BMAR, C27K, GTA, NR1K, D27M, BCAR, L29M, G31M, ZALV, ZALV, PZH, WMQ, MK31, MKAR, MKAR, MKAR, KURK, RES, YKA, CHTO, CHTO, CMAR, CMAR, SPITS, AAK, AAK, AAK, BRDH, HNR, ARCES, ARCES, ABKAR, ABKAR, AKTO, F10A, KAPI, CHGR, CHGR, PLMD, SUMG, SUMG, SUMG, NVAR, PSI.

2018 DEC

Table with columns for station name, frequency, mode, and coordinates. Includes stations like FINES, PDAR, OBN, FRB, SFJD, CTA, PFO, WRA, NB2, NB2, NOA, NOA, HFS, HFS, DZM, AKT, S22A, S22A, KBZ, KBZ, AK03, AK03, AKASG, AKASG, AKASG, AKASG, AKAB, AK21, AK22, ASAR, RNP9, PALK, GNI, LUBAR, SCHO, SCHO, NDNU, KMPD, MORS, STNU, STHS, BUR08, BUR08, WANS, WANS, ANS, MORC, EKA, CLL, CLL, CLL, MLR, VYHS, VRAC, VRAC, VOIR, KRUC, TXAR, KHC, KHC, KHC, BRTR, BRTR, BRTR, GERES, GERES, GERES, CONA, RONA, MPLH, ARSK, ARSK, LES, RAR, WABA, WTTA, WTTA, RETA, MOTA, SQTA, FETA, DAVA, DAVA, DAVOX, DAVOX, DAVOX, PPT, PPT, PPT.

1944

Table with columns for station name, frequency, mode, and coordinates. Includes stations like PPT2, ASF, MMAI, MMAI, TKL, EIL, URZ, ESDC, ESDC, KEST, MDT, QSPA, H03N, H03N, BDFB, ELIB, PLCA, CPUP, TROLL, SNA, VNA2, VNA3, NEIC 29, AEIC 29, M22K, FIS, FIS, FIS, SUA, SUA, SUA, SML, SML, CAPN, STLK, STLK, SLMK, SLMK, SLMK, CUT, PWL, PWL, SPU, SCM, GLI, GLI, M20K, BRLE, BRLE, FID, M24K, KLU, KLU, HIN, HIN, CNPM, CNPM, RND, RND, RND, KTH, KTH, KTH, CAST, H03K, L19K, N25K, N25K, N25K, N18K, O18K, O18K, O18K, L18K, J20K.

1945

M26K	Nabesna, AK	3.45	71	Pn	Pn	14 41 53.4 -0.8
M26K	comp=E, 6.6nm, 0.8s					14 42 50.3
M26K	comp=E, 9.4nm, 0.4s					14 42 55.0
M17K	Holitna River	3.58	273	Pn	Pn	14 41 56.0 +0.1
M17K	comp=N, 9.5nm, 0.8s					14 43 02.8
N17K	Nushagak Hills	3.62	258	Pn	Pn	14 41 56.3 -0.3
N17K	comp=N, 5.1nm, 0.9s					14 43 21.8
IL31	Poorman	3.63	22	Pn	Pn	14 41 56.5 -0.1
J19K	Innok River	3.64	317	Pn	Pn	14 41 56.5 -0.3
J18K	comp=N, 10.0nm, 1.1s					14 41 57.8 -0.1
J18K	comp=N, 10.0nm, 1.1s					14 42 41.9
I23K	Minto, Yukon-K	3.73	4	Pn	Pn	14 41 57.1 -0.9
J25K	Salcha River,	3.82	32	Pn	Pn	14 41 59.8 +0.5
J25K	comp=E, 8.8nm, 0.7s					14 42 47.9
J25K	comp=N, 8.2nm, 0.8s					14 42 49.6
K17K	Iditarod	4.11	292	Pn	Pn	14 42 03.1 -0.1
K17K	comp=N, 5.3nm, 0.9s					14 43 09.3
M16K	Timber Creek	4.35	268	Pn	Pn	14 42 06.5 -0.1
M16K	comp=N, 3.9nm, 1.1s					14 43 09.3
O16K	Kokwok River B	4.41	249	Pn	Pn	14 42 07.5 +0.2
O16K	comp=N, 3.1nm, 1.1s					14 44 04.4
L16K	Owhat River	4.54	278	Pn	Pn	14 42 09.1 0.0
L16K	comp=N, 3.3nm, 1.1s					14 42 48.8
J16K	Anvik River	5.27	295	Pn	Pn	14 42 19.0 -0.2

IDC 29 15:14:09.5, 0.8, 6.32N, 127.97E, h0km, mb4.2/9, mbmp4.2/10, ML4.0/1, Error ellipse: s-maj=58.5km s-min=15.1km az=66.0
 DJA 29 15:14:11.6, 0.5, 1.6 N, 17.127E, h79km, 49km, M4.5/6, mb4.4/3, ML4.5/5
 NEIC 29 15:14:12.9, 2.8, 5.84N, 0.10, 126.9E, 0.2, h8km, 11km, mb4.4/11, Error ellipse: s-maj=26.9km s-min=7.8km az=62.0
 ISC 29 15:14:21.0, 0.7, 5.80N, 0.05, 126.9E, 0.1, h83km, n32, o157/37, mb4.2/15, 1C-1D, Mindanao

Code	Station Name	A°	AZ°	Phase ID	Time	Res
					h m s	ISC
DAV	Davao City (W)	1.84	313	Op Pn	14 41 57.7	-1.2
DAV	Davao City (W)	1.84	313	Pn	14 41 57.7	-1.2
DAV	32m, 0.3s, baz=23, slow=6.1, SNR=1.8				14 41 51.7	+0.8
DAV	Sn				14 42 15.7	+2.2
KCP	Kidapawan	2.19	303	Op Pn	14 41 45.3	-1.0
KCP	comp=N, 11.0nm, 0.4s				14 42 20.0	-1.5
SGSI	Sangihe	2.52	214	P	14 41 58.8	-1.1
SGSI	comp=N, 11.0nm, 0.4s				14 42 30.0	+2.2
CGP	Cagayan de Oro	3.44	320	Op Pn	14 42 15.3	+2.9
CGP	comp=N, 11.0nm, 0.4s				14 42 55.5	+3.3
TNTI	Ternate	5.01	175	P	14 42 34.7	+0.9
TNTI	comp=N, 11.0nm, 0.4s				14 42 34.5	+0.7
TOLJ	Toilolit	7.70	233	Pn	14 43 08.1	-2.4
LWUI	Luwuk	7.96	212	Pn	14 43 15.5	+1.5
WYLD	Lahad Datu	8.41	266	Pn	14 43 17.9	+2.2
SBUM	Sibu	15.04	258	P	14 44 53.8	+1.3
MTN	Manton Dam	18.99	167	P	14 45 34.1	-1.9
MTN	comp=N, 1.1nm, 1.4s				14 45 51.1	
KNRA	Kununurra	21.42	175	P	14 46 03.9	+1.6
KNRA	comp=N, 1.1nm, 1.4s				14 46 34.9	
WB0	Warramunga Arr	26.45	164	P	14 46 51.6	+3.7
WB0	comp=N, 1.1nm, 1.4s				14 47 03.6	
WRA	Warramunga Arr	26.60	164	P	14 46 51.7	0.0
WRA	comp=N, 1.1nm, 1.4s				14 47 03.6	
WB2	Warramunga Arr	26.60	164	P	14 46 52.8	+1.1
WB2	comp=N, 1.1nm, 1.4s				14 47 01.3	
AS31	Alice Springs	30.07	167	P	14 47 22.6	0.0
AS31	comp=N, 1.1nm, 1.4s				14 47 23.1	+0.5
ASAR	Alice Springs	30.07	167	P	14 47 23.1	+0.5
ASAR	comp=N, 1.1nm, 1.4s				14 50 24.2	+1.5
FORT	Forest	35.39	178	P	14 48 18.7	+1.3
BBOO	Buckleboo	39.37	168	P	14 48 41.6	-0.8
BBOO	comp=N, 1.1nm, 1.4s				14 48 50.5	
STKA	Stevens Creek	39.99	160	P	14 48 47.3	-0.4
STKA	comp=N, 1.1nm, 1.4s				14 48 46.8	-0.9
SOMI	Songino Array	45.42	341	P	14 49 27.8	-3.7
MKAR	Makanchi Array	55.99	324	P	14 50 51.4	+0.5
MKAR	comp=N, 1.1nm, 1.4s				14 50 50.4	-0.5
MKAR	comp=N, 1.1nm, 1.4s				14 51 49.4	+0.9
ZALV	Zalesovo Beam	58.85	332	P	14 51 09.5	-1.4
ZALV	comp=N, 1.1nm, 1.4s				14 51 56.5	
KURK	Kurchatov	60.12	327	P	14 51 19.9	+0.3
KURK	comp=N, 1.1nm, 1.4s				14 51 56.5	
KURBB	Kurchatov Arra	60.12	327	P	14 51 19.4	-0.2
KURBB	comp=N, 1.1nm, 1.4s				14 51 56.5	
BVAR	Borovy Array B	65.71	326	P	14 51 57.4	+0.7
BVAR	comp=N, 1.1nm, 1.4s				14 54 04.5	+0.1
ARCES	ARCES Array B	88.59	340	P	14 54 04.5	+0.1
ARCES	comp=N, 1.1nm, 1.4s				14 54 11.9	+0.3
FINES	FINES Array B	90.11	332	P	14 54 11.9	+0.3
FINES	comp=N, 1.1nm, 1.4s				14 54 36.9	-0.4
GSPA	South Pole Qui	95.69	180	P	14 54 36.9	-0.4

IDC 29 15:02:33.8, 4.4, 7.98S, 129.55E, h0km, mb3.8/1, mbmp3.6/5, ML3.4/4, Error ellipse: s-maj=54.7km s-min=31.0km az=12.0, Banda Sea

Code	Station Name	A°	AZ°	Phase ID	Time	Res
					h m s	ISC
BATI	Baumata	6.22	249	Op Pn	15 04 06.7	-0.3
BATI	comp=N, 1.1nm, 1.4s				15 05 18.8	-0.1
FITZ	Fitzroy Crossi	10.75	200	Pn	15 05 09.6	+0.5
FITZ	comp=N, 1.1nm, 1.4s				15 07 11.2	+1.0
WRA	Warramunga Arr	12.76	159	Pn	15 05 36.1	-0.6
WRA	comp=N, 1.1nm, 1.4s				15 08 00.0	+0.4
ASAR	Alice Springs	16.14	166	Pn	15 06 22.4	+0.2
ASAR	comp=N, 1.1nm, 1.4s				15 09 23.5	+1.4
STKA	Stevens Creek	26.29	156	P	15 08 11.4	+0.3
STKA	comp=N, 1.1nm, 1.4s				15 08 11.4	+0.3

BEO 29 15:19:07.6, 0.8, 40.07N, 26.31E, h10km, ML4.1/13
 ISK 29 15:19:11.3, 40.40N, 26.05E, h11km, ML3.7/25
 THE 29 15:19:12.8, 40.43N, 26.02E, h17km, ML3.7/15, Error ellipse: s-maj=0.8km s-min=0.4km az=37.0
 AFAD 29 15:19:12.0, 0.4, 40.40N, 26.10E, h12km, 2km, MW3.8
 ATH 29 15:19:12.4, 40.44N, 26.01E, h30km, 4km, ML3.7/17, Error

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ellipse: s-maj=4.1km s-min=0.9km az=36.0
 SOF 29 15:19:14.4, 40.54N, 0.01, 25.71E, 0.01, h5km, 6km, MD3.7/6
 ISC 29 15:19:12.2, 0.8, 40.42N, 0.01, 26.05E, 0.01, h15km, 6km, n23, o080/181, 9C-4D, Turkey

Code	Station Name	A°	AZ°	Phase ID	Time	Res
					h m s	ISC
GOKK	Gokceada-Canak	0.24	204	Op Pn	15 19 15.9	+1.5
GADA	Gokceada	0.25	206	Pg Pp	15 19 17.9	+0.2
GADA	comp=N, 1.1nm, 1.4s				15 19 20.8	-0.6
GOAD	anakkale-G	0.28	202	P	15 19 18.4	+0.3
GOAD	comp=N, 1.1nm, 1.4s				15 19 22.6	+0.6
CAVK	Edirne/Enez-Ca	0.29	19	Op Pn	15 19 18.6	+0.2
CAVK	comp=N, 1.1nm, 1.4s				15 19 18.6	+0.2
CAVK	Edirne/Enez-Ca	0.29	19	Op Pn	15 19 18.6	+0.2
CAVK	comp=N, 1.1nm, 1.4s				15 19 23.3	-0.5
GELI	Tayfur-Gelibol	0.33	93	Op Pn	15 19 18.7	-0.3
GELI	comp=N, 1.1nm, 1.4s				15 19 23.5	-0.1
ENEZ	Enez	0.33	14	Op Pn	15 19 19.3	+0.3
ENEZ	comp=N, 1.1nm, 1.4s				15 19 24.2	-0.7
ECEA	Canakkale, Ece	0.39	165	Op Pn	15 19 20.2	+0.2
ECEA	comp=N, 1.1nm, 1.4s				15 19 25.6	+0.3
SMTH	Samothraki Isl	0.40	278	Op Pn	15 19 20.3	+0.1
SMTH	comp=N, 1.1nm, 1.4s				15 19 26.0	+0.3
SMTH	Samothraki Isl	0.40	278	Op Pn	15 19 20.4	+0.1
SMTH	comp=N, 1.1nm, 1.4s				15 19 26.2	+0.5
SMTH	comp=N, 3.5254um, 0.2s				15 19 27.0	
ERIK	Erikli-Kesan	0.44	55	Op Pn	15 19 20.8	-0.2
ERIK	comp=N, 1.1nm, 1.4s				15 19 26.9	0.0
CNKL	anakkale-Mer	0.44	143	Op Pn	15 19 20.9	-0.1
CNKL	comp=N, 1.1nm, 1.4s				15 19 26.3	0.0
COMU	Canakkale	0.46	134	Op Pn	15 19 21.3	0.0
ALN	Alexandroupoli	0.48	0	Op Pn	15 19 21.6	+0.2
ALN	comp=N, 1.1nm, 1.4s				15 19 21.9	+0.1
ALN	Alexandroupoli	0.48	0	Op Pn	15 19 21.8	0.0
ALN	comp=N, 1.1nm, 1.4s				15 19 28.6	-0.7
ALN	comp=N, 6.728um, 0.4s				15 19 29.7	
LPK	Lapseki	0.55	94	Op Pn	15 19 22.8	-0.2
EZN	Ezine	0.63	160	Op Pn	15 19 22.9	-1.6
EZN	comp=N, 1.1nm, 1.4s				15 19 25.1	-0.9
BAYC	CANAKKALE_Bayr	0.70	159	Op Pn	15 19 27.0	-0.3
BAYC	comp=N, 1.1nm, 1.4s				15 19 27.0	0.0
RDO	Rodhopi	0.82	332	Op Pn	15 19 27.9	-0.3
RDO	comp=N, 1.1nm, 1.4s				15 19 27.8	-0.4
RDO	Rodhopi	0.82	332	Op Pn	15 19 27.6	-0.6
RDO	comp=N, 1.1nm, 1.4s				15 19 38.2	-0.8
RDO	comp=N, 6.716um, 0.7s				15 19 42.7	
UKOP	Uzunkopru-Edir	0.84	32	Op Pn	15 19 28.3	-0.2
LIA	Limnos Island	0.84	232	Op Pn	15 19 28.5	0.0
LIA	comp=N, 1.1nm, 1.4s				15 19 40.5	+0.9
LIA	Limnos Island	0.84	232	Op Pn	15 19 28.0	-0.6
LIA	comp=N, 1.1nm, 1.4s				15 19 37.2	+0.2
LIA	comp=N, 18.121um, 0.4s				15 19 41.5	
CANM	Can-anaekale	0.87	117	Op Pn	15 19 28.4	-0.7
RYK	Sarkoy-Tekirda	0.90	72	Op Pn	15 19 28.6	-1.2
SART	Tekirdag	0.91	72	Op Pn	15 19 29.0	-0.8
SART	comp=N, 1.1nm, 1.4s				15 19 40.9	-0.8
KOCC	Canakkale, Ayv	0.92	175	Op Pn	15 19 40.7	-0.7
KOCC	comp=N, 1.1nm, 1.4s				15 19 41.9	-0.1
KRBB	Karabiga-Canak	0.96	91	Op Pn	15 19 29.6	-1.1
THAS	Thassos Island	1.03	281	Op Pn	15 19 31.4	+0.5
THAS	comp=N, 1.1nm, 1.4s				15 19 42.2	-0.9
THAS	Thassos island	1.03	281	Op Pn	15 19 31.2	-0.1
THAS	comp=N, 1.1nm, 1.4s				15 19 44.2	-0.9
THAS	comp=N, 12.158um, 0.2s				15 19 47.7	
YENI	Yenice-Canakka					

29d 15h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GKS1, GLG1, ILIN, etc.

ISC 29 15:23:38.01.1, 34.575N, 104.4576E, 0.03, h10km, 10km, n13, c071/20, Iran-iraf border region

ASIES 29 15:23:52.3, 24.90N, 122.45E, h16km, ML3.8, Mw3.5, Moment Tensor Solution, Moment tensor: Scale 10^21 Nm, Mrr: -1.61; Mss: 1.17; Mss: 0.82; Mss: 1.23; Mss: 1.07; Mrr: 0.40;

Fault plane solution: M2.2668x1021 NP1: 265.53000, 361.08000, -1.61, 12000.0. NP2: 26.76000, 339.97000, -1.13, 17000.0. Principal axes: T: P1[11.53600, Azm=25.12500, N: P2[25.17000, Azm=60.59000, P: P3[2.11000, Azm=22.44100]

JMA 29 15:23:52.6, 0.2, 25.12, 122.4E, 0.8, h11km, MV3.4/9, NW OFF ISHIGAKIJIMA IS

ISC 29 15:23:52.3, 24.90N, 122.45E, h16km, ML3.8, C-TAP 29 15:23:52.4, 1.0, 24.88N, 122.45E, 0.02, h9km, 8km, n108, c070/153, mb3.6/4, 4C-1D, Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TWB1, EOS2, SX11, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WARB1, WULB, WQW1, etc.

JMA 29 15:31:09.8, 0.4, 24.8N, 122.4E, 0.3, h2km, 4km, NW OFF ISHIGAKIJIMA IS, Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JYNG, YOJ, IRIF, etc.

JMA 29 15:31:15.4, 24.92N, 122.48E, h2km, ML3.6, D-TAP 29 15:31:16.2, 0.2, 25.12, 122.4E, 0.6, h16km, 3km, MV3.1/13, NW OFF ISHIGAKIJIMA IS

ISC 29 15:31:16.0, 1.1, 24.86N, 122.4E, 0.02, h20km, 5km, n97, c062/131, 3C-1D, Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TWB1, EOS2, SX11, etc.

1946

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NSTT, SHUL, ESL, etc.

TAP 29 15:32:06.2, 24.90N, 122.45E, h13km, 1km, ML2.8, D, Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TWB1, EOS2, SX11, etc.

TAP 29 15:34:00.5, 24.92N, 122.49E, h20km, ML2.8, D JMA 29 15:34:00.9, 0.1, 25.12, 122.4E, 0.5, h3km, MV2.9/7, NW OFF ISHIGAKIJIMA IS

ISC 29 15:34:00.7, 1.1, 24.89N, 122.47E, 0.03, h13km, 10km, n60, c055/84, Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TWB1, EOS2, SX11, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like SHUL, ESL, OWD, WHP, WARB, etc.

BUI 29 15:34:34.2, 5.85Sx151.99E, h61km, mb5.0/64, mB5.3/13, Ms5.0/19, Ms7.4/7.24

NEIC 29 15:34:37.2, 2.6, 5.67S; 0.07, 151.69E; 0.09, h48km, 5km, mb5.3/62, Mw5.5/113, Error ellipse: s-maj=12.3km

NEIC 29 15:34:37.5, 5.95S; 151.66E, h50km, Moment Tensor Solution. Duration: 157 Moment tensor: Scale 1016Nm;

MOS 29 15:34:38.0, 1.0, 5.44S; 151.32E, h54km, mb5.2/21, Error ellipse: s-maj=10.2km s-min=7.3km az=110.6

GCMT 29 15:34:39.0, 2.5, 5.85S; 0.01, 151.74E; 0.01, h32km, 1km, Mw5.2/107, Moment Tensor Solution. s04, c122;

DJA 29 15:34:50.3, 1.2, 6.54S; 151.1E, h160km, 10km, Ms.0/52, mB5.5/18, mb5.3/52, Mw(mB)5.0/18, MwMwp5.1/4, Mwps.3/4

ISC 29 15:34:38.7, 0.5, 5.71S; 0.04, 151.61E; 0.04, h63km, 4km, h62km; p-P, n681, c1926/657, mb5.2/123, 38C-25D, New Britain region

Main station list table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, and other technical details. Includes stations like BULU, RABL, MANU, etc.

Main station list table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like WB1, AAI, INKA, KUNA, etc.

Main station list table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like QIZ, QIZ, KQRS, etc.

29d 15h

BTO	comp=Z,1jm,21.0s	LR	LR		
BTO	comp=Z,1jm,21.5s	LR	LR		
TNCH	TengChong	59.96 303	↑P	P	15 44 39.8 +0.5
TNCH			pP	pP	15 44 50.0 -2.2
TNCH			pmax	pmax	
LZH	comp=Z,15nm,0.9s	61.06 317	eP	P	15 44 47.5 +1.0
LZH	Lanzhou		sP	pP	15 45 04.5 +1.3
LZH			pmax	pmax	
HIA	comp=Z,27nm,1.3s	61.38 337	P	P	15 44 48.3 +0.1
HIA	Hailar		pP	pP	15 45 00.3 -4.8
HIA	Zeya	62.67 344	eP	P	15 44 56.7 0.0
HIA			pmax	pmax	
BRDH	comp=Z,10.0nm,1.2s	65.03 298	LR	LR	16 11 48.3
BRDH	Bariahdala				
MA2	comp=Z,252nm,21.6s,baz=132,slow=34	65.08 360	P	P	15 45 11.2 -1.2
MA2	Magaden				
MA2					16 09 02.5
MA2	comp=Z,208nm,21.5s,baz=160,slow=32		LR	LR	
MA2	comp=Z,6.1nm,0.8s				
GTA	Gaotai	65.53 318	P	P	15 45 16.5 +0.6
GTA			sP	pP	15 45 35.5 +2.7
GTA			pmax	pmax	
GTA	comp=Z,270nm,1.2s		LR	LR	
GTA	comp=Z,200nm,20.0s		LR	LR	
GTA	comp=Z,250nm,18.9s		LR	LR	
ULN	comp=Z,270nm,20.0s	66.15 329	P	P	15 45 18.8 -1.0
ULN	Ulaanbaatar	66.15 329	/P	P	15 45 20.0 +0.8
ULN			pmax	pmax	
ULN	comp=Z,25nm,1.7s	66.15 329	P	P	15 45 20.6 +0.8
ULN	Ulaanbaatar		pP	pP	15 45 33.2 -3.7
ULN			pP	pP	15 45 22.0 +0.2
SONM	Songino Array	66.47 329	P	P	16 14 22.0
SONM	comp=Z,6.8nm,0.7s,baz=154,slow=5.0,SNR=47				
SONM	comp=Z,270nm,19.6s,baz=167,slow=36				
SONM	comp=Z,6.8nm,0.7s				
SONM	Lhasa	67.78 305	P	P	15 45 31.0 +0.1
SONM			pmax	pmax	
SEY	comp=Z,22nm,0.8s	68.45 0	P	P	15 45 33.2 -0.6
SEY	Seymchan				
SEY	comp=Z,2.9nm,0.7s,baz=171,slow=5.5,SNR=7.7				
SEY	comp=Z,2.9nm,0.7s				
SEY	Seymchan	68.45	0/eP	P	15 45 34.4 +0.6
SEY			pmax	pmax	
YAK	comp=Z,23nm,1.8s	69.63 349	P	P	15 45 40.3 -0.8
YAK	Yakutsk				
YAK	comp=Z,13nm,0.7s,baz=303,slow=2.4,SNR=4.3		LR	LR	16 14 15.1
YAK					
YAK	comp=Z,120nm,21.6s,baz=130,slow=34				
YAK	comp=Z,13nm,0.7s				
YAK	Yakutsk	69.63 349	eP	P	15 45 41.0 -0.1
YAK			pmax	pmax	
YAK	comp=Z,20nm,1.1s				
YAK			pmax	pmax	
YAK	comp=N,10.0nm,2.0s				
YAK			pmax	pmax	
YAK	comp=E,4.0nm,1.0s				
YAK	Zakamsensk	69.63 349	eP	P	15 45 41.1 -0.1
ZAK	Zakamsensk	69.66 329	eP	P	15 45 41.4 -0.3
ZAK			pmax	pmax	
FALS	comp=Z,23nm,1.4s	70.94 26	P	P	15 45 50.0 +0.7
FALS	False Pass				
FALS	baz=228				
MOY	Mondy	71.58 330	eP	P	15 45 53.5 +0.1
MOY			pmax	pmax	
PALK	comp=Z,30nm,2.0s	71.92 280	LR	LR	16 19 19.7
PALK	Pallekele				
PALK	comp=Z,193nm,21.8s,baz=166,slow=37				
VNDA	Vanda	71.97 178	P	P	15 45 55.7 +0.5
VNDA	Vanda	71.97 178	P	P	15 45 56.6 +1.4
VNDA					16 13 21.1
VNDA	comp=Z,9.1nm,0.8s,baz=332,slow=6.1,SNR=29		LR	LR	
VNDA					
VNDA	comp=Z,132nm,20.8s,baz=354,slow=32				
VNDA	comp=Z,9.1nm,0.8s				
VNDA	Vanda	71.97 178	P	P	15 45 55.7 +0.5
VNDA			pmax	pmax	
VNDA	comp=Z,17nm,1.0s				
VNDA	Vanda	71.97 178	P	P	15 45 56.5 +1.3
VNDA			pP	pP	15 46 14.1 +3.5
S12K	Black Hills	72.09 25	P	P	15 45 56.8 +0.6
CHNA	Chernabura Isl	72.62 27	P	P	15 45 59.9 +0.5
M11K	Mekoryuk	73.71 20	P	P	15 46 06.8 +1.2
CHGN	Chignik	74.06 26	P	P	15 46 09.2 +1.4
BILL	Bilibino	74.30 6	P	P	15 46 09.5 +0.5
BILL	Bilibino	74.30 61	/P	P	15 46 10.1 +1.1
BILL			pmax	pmax	
GAMB	Gambell	74.57 16	P	P	15 46 12.2 +1.6
M13K	Dali Lake	74.74 21	P	P	15 46 13.0 +1.4
O14K	Tiguyakuivet M	74.74 23	P	P	15 46 12.9 +1.2
O15K	Ungalikthiuk R	75.26 24	P	P	15 46 15.7 +1.0
K13K	Kusilyak Mount	75.34 20	P	P	15 46 16.2 +1.1
M14K	Bethel	75.48 22	P	P	15 46 16.9 +1.0
WMQ	Urumqi	75.61 318	eP	P	15 46 17.8 +0.6
WMQ			pmax	pmax	
WMQ	comp=Z,15nm,1.5s		LR	LR	
WMQ	comp=Z,230nm,24.2s				
HYB	Hyderabad	75.67 290	eP	P	15 46 17.7 -0.3
N15K	Kwethluk River	75.79 23	P	P	15 46 18.9 +1.1
M15K	Kasigliuk River	75.91 22	P	P	15 46 19.7 +1.3
P16K	Nushagak River	75.91 24	P	P	15 46 19.2 +0.8
O16K	Kokwok River B	76.21 24	P	P	15 46 21.1 +1.0
Q16K	King Salmon	76.25 25	P	P	15 46 21.4 +1.1
L15K	Ungalak Mounta	76.27 21	P	P	15 46 21.2 +0.9
J14K	Nanvaranak Lak	76.28 20	P	P	15 46 21.6 +1.2
N16K	Nishilik Lake	76.50 23	P	P	15 46 23.1 +1.3
ACHA	Angle Creek He	76.54 26	P	P	15 46 23.0 +0.9
R18K	Kariuk	76.56 27	P	P	15 46 23.2 +1.1
P17K	Kvichak River	76.65 25	P	P	15 46 23.7 +1.1
K15K	Wolf Creek Mou	76.66 21	P	P	15 46 23.5 +0.8
O17K	Koliganek Bris	76.72 24	P	P	15 46 23.2 +0.2
M16K	Timber Creek	76.77 22	P	P	15 46 24.7 +1.5
OHAK	Old Harbor	76.89 27	P	P	15 46 25.0 +1.0
Q18K	Katmai Hardscr	76.96 26	P	P	15 46 25.3 +0.9
TNA	Tin City	76.99 16	P	P	15 46 25.6 +1.2
ANM	Nome	76.99 18	P	P	15 46 26.0 +1.6
N17K	Owhat River	77.01 22	P	P	15 46 26.0 +1.4
L16K	Nushagak Hills	77.14 23	P	P	15 46 26.7 +1.3
P18K	Big Mountain,	77.27 25	P	P	15 46 27.3 +1.1
F14K	Arctic Creek	77.37 17	P	P	15 46 28.2 +1.6
KDAK	Kodiak Island	77.52 27	LR	LR	16 15 14.3
KDAK	Kodiak Island	77.52 27	P	P	15 46 28.6 +1.1

2018 DEC

O18K	Koktuh Hills	77.54 24	P	P	15 46 28.7 +1.0
M17K	Hollna River	77.58 22	P	P	15 46 28.4 +0.5
J16K	Anvik River	77.64 20	P	P	15 46 29.2 +1.1
Q19K	Cape Douglas,	77.67 26	P	P	15 46 29.3 +0.9
G15K	Niukluk	77.70 18	P	P	15 46 29.4 +1.0
L17K	Donlin	77.72 22	P	P	15 46 29.8 +1.3
N18K	Kliao Creek	77.75 24	P	P	15 46 30.5 +1.7
I17K	Unalakleet	78.00 20	P	P	15 46 31.5 +1.5
H16K	Elina	78.01 19	P	P	15 46 31.5 +1.4
F15K	North Star Dit	78.03 17	P	P	15 46 31.7 +1.5
K17K	Iditarod	78.08 21	P	P	15 46 32.2 +1.6
O19K	Port Alsworth	78.10 24	P	P	15 46 31.6 +0.9
J17K	VABM Dome	78.24 20	P	P	15 46 32.9 +1.5
P19K	Oil Pt	78.25 25	P	P	15 46 32.0 +0.4
M18K	Stony River	78.25 23	P	P	15 46 32.7 +1.1
L18K	Granite Mounta	78.36 22	IAMB	IAMB	15 46 35.4
L18K	Granite Mounta	78.36 22	P	P	15 46 32.8 +0.7
N19K	Bonanza Creek	78.39 24	P	P	15 46 33.5 +1.1
G16K	Koyuk River	78.49 18	P	P	15 46 34.0 +1.3
TIK1	Tiksi	78.64 353	eP	P	15 46 33.6 +0.2
TIK1			pmax	pmax	
ZSN	Zaisan	78.81 321	eP	P	15 46 34.9 -0.1
ZSN	Zaisan	78.81 321	eP	P	15 46 34.9 -0.1
H17K	Granite Mounta	78.95 19	P	P	15 46 36.8 +1.4
L19K	White Mountain	79.03 23	P	P	15 46 37.4 +1.5
G17K	Kiwalik Mounta	79.09 18	P	P	15 46 37.0 +1.0
J18K	Innok River	79.11 21	P	P	15 46 37.5 +1.2
BRSE	Bradley Lake S	79.37 26	P	P	15 46 38.6 +0.9
M20K	Styx River	79.53 23	P	P	15 46 39.8 +1.2
F17K	Baldwin Pennin	79.54 17	P	P	15 46 40.0 +1.6
L20K	Farewell, AK	79.58 23	P	P	15 46 40.1 +1.3
H18K	Honhosa River	79.59 19	P	P	15 46 39.7 +0.8
C16K	Lisburne Hills	79.68 15	P	P	15 46 40.3 +1.1
E17K	Hotham Inlet	79.80 17	P	P	15 46 40.6 +0.7
J19K	Poorman	79.82 21	P	P	15 46 41.6 +1.6
GCSA	Galena City Sc	79.84 20	P	P	15 46 41.2 +1.1
D17K	Noatak River	79.87 16	P	P	15 46 41.4 +1.2
G18K	Tagawik	79.97 19	P	P	15 46 42.0 +1.2
K20K	Telida	80.01 22	P	P	15 46 42.1 +1.0
SEW	Seward	80.11 26	P	P	15 46 42.7 +1.0
F18K	Selawik	80.12 18	P	P	15 46 42.5 +0.9
RDOG	Red Dog Mine	80.17 16	P	P	15 46 42.7 +0.8
O22K	Cooper Landing	80.19 25	P	P	15 46 42.1 0.0
SKT	Skwentna	80.22 24	P	P	15 46 43.2 +0.9
MK31	Makanchi Array	80.23 319	P	P	15 46 41.3 -1.4
MK31	Makanchi Array	80.23 319	P	P	15 46 41.3 -1.4
MK31			pmax	pmax	
MKAR	Makanchi Array	80.23 319	P	P	15 46 42.0 -0.7
MKAR	comp=Z,3.2nm,0.7s,baz=101,slow=6.4,SNR=29		LR	LR	16 22 19.3
MKAR	comp=Z,192nm,19.9s,baz=96,slow=36				
MKAR	comp=Z,3.2nm,0.7s				
MKAR	Makanchi Array	80.23 319	/P	pmax	15 46 42.9 +0.2
SUA	Susitna One	80.26 24	P	P	15 46 42.6 0.0
E18K	Tukpahaerik C	80.38 17	P	P	15 46 44.0 +1.0
C17K	DeLong Mountai	80.39 15	P	P	15 46 43.7 +0.7
MAK2	Makanchi	80.44 319	P	P	15 46 41.9 -1.9
MAK2	Makanchi	80.44 319	P	P	15 46 41.9 -1.9
MAK2			pmax	pmax	
H20K	Novinta River	80.45 21	P	P	15 46 44.6 +1.1
J19K	Roundabout Mou	80.46 19	P	P	15 46 44.7 +1.3
PPLA	Purkeypile	80.46 23	P	P	15 46 44.0 +0.3
RC01	Rabbit Creek A	80.49 25	P	P	15 46 44.2 +0.4
G19K	Purcell Mounta	80.63 19	P	P	15 46 45.2 +0.8
M22K	Willow	80.67 24	P	P	15 46 44.8 +0.2
I20K	Naaghedeneel	80.69 21	P	P	15 46 44.8 +0.1
CAST	Cash Rocks	80.78 22	P	P	15 46 45.8 +

1949

Table with 10 columns: Name, Location, Date, Time, Status, Direction, etc. Includes entries like MAW Mawson, CHMS Chumysh, M27K Edge Creek, etc.

2018 DEC

Table with 10 columns: Name, Location, Date, Time, Status, Direction, etc. Includes entries like V35K Ketchikan, P32M Atlin, F28M Old Crow, etc.

29d 15h

Table with 10 columns: Name, Location, Date, Time, Status, Direction, etc. Includes entries like KIRS Kirsehir-Merke, BRTR Keskin Aray, SAHE Sakarya, etc.

29d 16h

Table with columns: BDFB Brasilia, DBIC Dimbokoro, DBIC comp=2.28nm, 0.8s, baz=44, slow=4.8, SNR=3.2

IDC 29 15:45:28.2-0.8, 54.90N; 164.72E, h0km, mb3.8/16, mtbpm3.9/19, MLC3.8/3, Eror ellipse: s-maj=25.4km

KRSC 29 15:45:28.8-1.3, 54.81N; 164.78E, h63km, mb3.0km, M14.2, NEIC 29 15:45:30.2-1.0, 55.0N; 0.3x164.7E; 0.2, h10km, 2km, mb4.4/25, Eror ellipse: s-maj=47.2km s-min=9.5km az=157.0

ISC 29 15:45:32.1-0.6, 54.94N; 0.07x164.72E; 0.05, h27km, n65, o+96/65, mb4.2/29, Komandorsky Islands region

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

Table with columns: BKI Bering, MTRV Mutnovka, GRJ Gorelykh, ASAJ Asahikawa

Table with columns: YAK Yakutsk, J18K Innoko River, F19K Shalercuk Mou, H19K Roundabout Mou

Table with columns: E22K Anaktuvuk Pass, B22K Teshekpu Lake, I23K Minto, Yukon-K

Table with columns: TOLK Toolik Lake Re, WRH Wood River Hill, E24K Your Creek

Table with columns: COLA Colleege, CCB Clear Creek Bu, F24K Squaw Lake

Table with columns: G24K Hadweencz Riv, SCM Sheep Creek Mo, IL31

Table with columns: ILAR Eielson Arr, MJAR Matsushiro Arr

Table with columns: D25K Kavik River, PRP Porcupine Dene, BMAR Burnt Mountain

Table with columns: L27K Beaver Creek, BCAR Beaver Creek A, L29M L29M

Table with columns: I30M Mount Demzue, KSRS Korea Array, C36M Paulatuk

Table with columns: H1N2 WAKE ISLAND Hy, H1N3 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy

Table with columns: SONM Songino Array, SONM comp=2.0, 0.9s, baz=72, slow=4.7, SNR=2.6

Table with columns: YKA Yellowknife Ar, TPUB Ta-pu, KURK Kurchatov

Table with columns: KURBB Kurchatov Arr, MKAR Makanchi Array, BVAR Borovoye Array

Table with columns: NVAR Mina Array Bea, PDAR Pinedale Array, FINES FINESS Array B

29d 16h 1950

ISC 29 15:57:08.2-0.6, 31.99S; 0.06x179.97W; 0.09, h350km, n72, c+28/83, mb4.5/7, 3D, Kermadec Islands region

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

Table with columns: RAO Raoul Island, RAO Raoul Island, GRZ Great Barrier, GRZ Matakaoa Point

Table with columns: KUZ Kuaotunu, WMGZ Waioamatini S, WMGZ White Island, WAZ Te Kaha

Table with columns: HAZ Waipu Caves, PUZ Puketiti, OUZ Omahae, WIAZ Waheke Island

Table with columns: ABAZ Moutapu North, FWGZ Tauwhareparea, MKAZ Matakai, ETAZ East Tamaki Re

Table with columns: OPRZ Ohinepanea, RPAZ Riverhead Bore, CNGZ Carnagh Statio, KUZ Kokohu

Table with columns: WTAZ Waitatara, URZ Urewera, URZ Urewera, URZ Urewera

Table with columns: URZ Urewera, AWAZ Awhitu Peninsu, TOZ Tahuroa Road, HLRZ Highlands Stat

Table with columns: RIGZ Rimuhau, MUGZ Murupuru, MUGZ Hossack Road, RTZ Ruatahunu

Table with columns: GRIZ Galatos Road, SHGZ Shannon Statio, PRGZ Paritu Road, PRRZ Plateau Road

Table with columns: ALRZ Allen Road, WPRZ Waikopapatarin, KUZ Kokohu, MTHZ Maungataniwha

Table with columns: KUTZ Kaahu Road, MHGZ Mahia Peninsul, MRHZ Matea Rd, MRHZ Aroapanui

Table with columns: RATZ Rangitukua, BKZ Black Stump Fm, BKZ Rihi Road, RIGZ Chatham Island

Table with columns: RPZ Rata Peaks, MSVF Nonsavu, DZM Mount Dzaumc, STKA Stephens Creek

29d 16h 1950

PEA0B Petropavlovsk-4.20 253 Pn Pn 16 04 54.5 +0.8

Table with columns: PETK Petropavlovsk-4.20 253 Pn Pn 16 04 54.4 +0.7

Table with columns: MTRV Mutnovka, GRL Gorelykh, APC Apacha, OSSR Oссора

Table with columns: M11K Mekoryuk, LVA Lva Point, ASAJ Asahikawa

Table with columns: J14K Nanvaranak Lak, J14K comp=2.12nm, 1.3s, F15K North Star Dit

Table with columns: M14K Bethel, K15K Wolf Creek Mou, C16K Lisburne Hills

Table with columns: N15K Kwhetluk River, L16K Owhat River, M16K Timber Creek

Table with columns: H17K Granite Mountai, H17K comp=2.7, 7nm, 1.0s, K17K Iditarod

Table with columns: E18K Tukshibai C, C18K Utukok River, J18K Innoko River

Table with columns: F19K Shalercuk Mo, N19K Kilae Cree, N19K comp=2.16nm, 1.4s

Table with columns: G19K Purcell Mounta, H19K Roundabout Mou, H19K comp=2.8, 8nm, 1.4s

Table with columns: J19K Poorman, E19K Redstone River, D19K Kuna River

Table with columns: D19K comp=2.6, 3nm, 1.2s, F20K Avaraart Lak, K20K Teilda

Table with columns: J20K Nowinta River, J20K comp=2.6, 7nm, 1.2s, IMAR Indian Mountai

Table with columns: F21K Alatina River, F21K comp=2.5, 0nm, 1.1s, H21K Melozitna Rive

1951

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BORG, NOA, NOA, NOA, etc.

IDC 29 16:12:04.1+0.7, 2.23S:99.89E, h0km, mb4.5/26, mbmp4.5/28, ML4=0.2, MS3.4/5, Error ellipse: s-maj=23.3km s-min=12.4km az=49.0

NEIC 29 16:12:07.9+1.6, 2.27S:0.97E, h0km, mb4.8/33, Error ellipse: s-maj=15.3km s-min=8.6km az=60.0

DJA 29 16:12:08.8+0.3, 2.23S:101.0E, h49km, mb4.6/21, mb4.7/14, mb4.9/4, MLV4.8/21, Mw(mb)4.2/4

ISC 29 16:12:09.1+0.4, 2.21S:0.05E, h34km, m148, s=159/139, mb4.7/48, MS3.4/4, 1D, Southern Sumatara

Main table for 1951 with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PPSI, SISI, PDSI, etc.

Table for 2018 DEC with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRAB, WRAB, WB2, etc.

Main table for 2018 DEC with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HNS, OOD, QIS, etc.

Table for 29d 16h with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GERES, CIMO, CIMO, etc.

TAP 29 16:18:15.2, 24.90N:122.47E, h25km, ML3.3, C JMA 29 16:18:15.4, 0.2, 25.1N:122.4E:0.5, h7km, MV2.9/10, ISC 29 16:18:15.7, 1.1, 24.90N:122.46E:0.02, h23km, 12km, n83, c064/112, 2C, Taiwan region

Main table for 29d 16h with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TWB1, TWB1, EOS2, etc.

0.3nm,0.8s,baz=213,slow=4.5,SNR=2.6
0.3nm,0.8s

VAO 29 16:31:17.2:4.2,23:39S:67:10W,h186km,13km,mb4.4
SJA 29 16:31:20.8:1.1,23:49S:66:86W,h218km,8km,ML3.9
MW3.8
IDC 29 16:31:21.7:3.2,23:41S:66:69W,h197km,24km,mb3.5/7,
mbmp4.0/10,Error ellipse: s-maj=36.2km s-min=15.7km
az=35.0
NEIC 29 16:31:21.5:1.4,23:52S:0:06:67:0W:0:2,h231km,13km,
mb4.5/5,Error ellipse: s-maj=20.5km s-min=8.0km
az=105.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h m s ISC. Contains station data for VAO, SJA, IDC, NEIC, and various other stations like AF01, SLA, YJA, AZAP, etc.

GCG 29 16:49:48.6:1.7,15:15N:89:66W,h12km,38km,MD4.2
SNET 29 16:49:50.2:1.0,14:93N:89:60W,h6km,5km,ML3.4
CATAC 29 16:49:50.6:0.2,14:92N:89:69W,h10km,ML3.9
ISC 29 16:49:49.3:1.0,14:95N:0:02:89:64W:0:02,h9km,8km,
n46,+c127/76,1D,Guatemala

Main table with columns: MRL, ESQI, Esquipulas, Esquipulas, etc. Contains station data for Marmol, Esquipulas, MTO3, NBG, LOAL, UNIC, RTR, NUBE, SNE, PCG, SBL, CEVE, BOQS, FUG, PMON, PIA, UJES, IZABA, JAYA, LOMA, PAVA, QUIS, LALI, LALI, COEG, SCLA, POSS, SOKI, CAHU, STG3, PACA, PETF, RTAL, LCDN, TGUH, RCPN, etc.

SNET 29 17:16:34.2:1.1,14:94N:89:57W,h3km,16km,ML2.6
CATAC 29 17:16:35.0:0.4,14:98N:89:63W,h5km,ML3.4
GCG 29 17:16:35.9:0.7,15:07N:89:78W,h6km,8km,MD3.3
ISC 29 17:16:33.9:1.0,14:99N:0:03:89:60W:0:03,h15km,8km,
n23,+c95/37,1D,Guatemala

Table with columns: ESQI, MTO3, MTO3, MTO3, MTO3, etc. Contains station data for ESQI, MTO3, LAS NUBES, EL RETIRO, NUBE, PACAYAL, etc.

ISC 29 17:22:57.4:2.2,7:48S:128:54E,h0km,mb3.1/
mbmp3.1/3,ML2.9/2,Error ellipse: s-maj=115.8km
s-min=34.0km az=66.0, Banda Sea

29d 18h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like OHAK, L16K, H16K, BVCY, GCSA, H22K, PRP, etc.

Code Station Name Az Az' Phase ID Time Res h m s ISC

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

Code Station Name Az Az' Phase ID Time Res h m s ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like BNDI, SAUI, MSAI, etc.

Code Station Name Az Az' Phase ID Time Res h m s ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like WRA, COEN, QIS, etc.

Code Station Name Az Az' Phase ID Time Res h m s ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like ASOI, WRKA, KSM, etc.

Code Station Name Az Az' Phase ID Time Res h m s ISC

Code Station Name Az Az' Phase ID Time Res h m s ISC

2018 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like MSVF, DZM, URZ, STKA, ASAR, WRA, etc.

Code Station Name Az Az' Phase ID Time Res h m s ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like WRA, VDA, QSPA, etc.

Code Station Name Az Az' Phase ID Time Res h m s ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like WRA, VDA, QSPA, etc.

Code Station Name Az Az' Phase ID Time Res h m s ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like PALK, KMBO, HO4N2, etc.

Code Station Name Az Az' Phase ID Time Res h m s ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like WRA, KAPI, AAK, etc.

Code Station Name Az Az' Phase ID Time Res h m s ISC

Code Station Name Az Az' Phase ID Time Res h m s ISC

1954

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like TORD, ZALV, ZALV, SONM, AKASO, etc.

Code Station Name Az Az' Phase ID Time Res h m s ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like KAZZ, AHBU, DSEU, etc.

Code Station Name Az Az' Phase ID Time Res h m s ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like IRAM, ZNGN, JHBN, etc.

Code Station Name Az Az' Phase ID Time Res h m s ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like AKASO, BVAR, KURBB, etc.

Code Station Name Az Az' Phase ID Time Res h m s ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like ZALV, HFS, NOA, etc.

Code Station Name Az Az' Phase ID Time Res h m s ISC

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

Code Station Name Az Az' Phase ID Time Res h m s ISC

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

Code Station Name Az Az' Phase ID Time Res h m s ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like STKA, SONM, MKAR, etc.

Code Station Name Az Az' Phase ID Time Res h m s ISC

Code Station Name Az Az' Phase ID Time Res h m s ISC

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes rows for H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, H04N2 CROZET ISLANDS, H04N1 CROZET ISLANDS, H04N3 CROZET ISLANDS, H01W3 Cape Leeuwin H, H01W2 Cape Leeuwin H, H01W1 Cape Leeuwin H, ASAR Alice Springs, KURBB Kurchatov Arra, WRA Warramunga Arr, SONM Sogingo Array, PDAR Pinedale Array.

IDC 29 18:51:13.9, 1.0, 30.06N, 87.46E, h0km, mb3.6/9, mbmp3.5/11, ML3.4/2, Error ellipse: s-maj=51.3km s-min=19.1km az=58.0

ISC 29 18:51:19.3, 1.0, 30.02N, 0.2, 87.5E, 0.3, h35km, n11, c0573/11, mb3.6/9, Kizang

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes rows for CMAR Chiang Mai Arr, MKAR Makanchi Arr, KURBB Kurchatov Arra, ZALV Zalesovo Beam, BVAR Borovoye Array, FINES FINESS Array B, ARCES ARCESS Array B, HFS Hagfors, WRA Warramunga Arr, ASAR Alice Springs, TORD Torodi Arr.

IDC 29 18:53:54.1, 1.0, 29.34N, 104.44E, h0km, mb3.5/7, mbmp3.5/8, ML3.5/1, Error ellipse: s-maj=43.4km s-min=18.6km az=57.0

ISC 29 18:53:59.3, 1.2, 29.4N, 0.2, 104.5E, 0.2, h35km, n8, c095/8, mb3.3/7, Sichuan

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes rows for SONM Sogingo Array, KRSR Korea Array, MKAR Makanchi Arr, ZALV Zalesovo Beam, KURBB Kurchatov Arra, WRA Warramunga Arr, FINES FINESS Array B, ASAR Alice Springs.

IDC 29 18:55:54.0, 4.0, 17.35S, 66.11E, h0km, mb3.9/11, mbmp3.8/12, ML3.8/1, Error ellipse: s-maj=22.2km s-min=21.5km az=58.0

ISC 29 18:55:56.2, 0.7, 14.4AS, 0.2, 66.1E, 0.1, h13km, n25, c059/16, mb4.0/11, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes rows for H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, OPO Ambohitratompo, H04N2 CROZET ISLANDS, H04N1 CROZET ISLANDS, H04N3 CROZET ISLANDS, BOSAS Boshof, CMAR Chiang Mai Arr, H01W3 Cape Leeuwin H, H01W2 Cape Leeuwin H, H01W1 Cape Leeuwin H, MKAR Makanchi Arr, ASAR Alice Springs, WRA Warramunga Arr, KURBB Kurchatov Arra, BVAR Borovoye Array, ZALV Zalesovo Beam, SONM Sogingo Array.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes rows for GSPA South Pole Qui, ESDC Sonseca Array, YKA Yellowknife Arr, NEW New Springs, PDAR Pinedale Array, NVAR Mina Array Bea.

IDC 29 18:58:26.9, 0.5, 14.31S, 66.18E, h0km, mb4.2/21, mbmp4.2/22, ML4.3/1, MS4.1/15, Error ellipse: s-maj=16.4km s-min=14.8km az=75.0

GCMT 29 18:58:28.9, 0.3, 14.22S, 0.0, 66.04E, 0.03, h12km, MW4.8/74, Moment Tensor Solution. s1,c11; s74,c93; Duration: 0 Moment tensor: Scale 10^19Nm; Mr=2.11; 08; M0=0.40; 08; M1=1.71; 08; M2=0.77; 45; M3=0.36; 07; M4=0.65; 38; Best double couple: Mo2.156000, 10^16 NP1.185.00000, 855.00000, -1.68.00000. NP2: 0.331.00000, 841.00000, -1.117.00000. Principal axes: T 1.8580, Plg2.0000, Azm260.0000; N 0.5970, Plg17.0000, Azm322.0000; P -2.4540, Plg171.0000, Azm148.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NEIC 29 18:58:28.9, 1.5, 14.2S, 0.1, 66.1E, 0.1, h10km, 1km, mb4.7/41 Error ellipse: s-maj=20.0km s-min=18.2km az=190.0

ISC 29 18:58:28.8, 0.4, 14.27S, 0.0, 66.14E, 0.08, h13km, n99, c0586/84, mb4.5/52, MS4.2/12, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes rows for H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, OPO Ambohitratompo, VOI Vohitsoka, PALK Pallekele, KMBO Kilima Mbogo, H04N2 CROZET ISLANDS, H04N1 CROZET ISLANDS, H04N3 CROZET ISLANDS, LODK Lodwar, PSI Prapara, LSZ Lusaka, MBAR Mbarara, LBTB Lobatse, UOSS Minaziti, BOSAS Boshof, LEM Lembara, RAYN Ar Rayn, SUR Sutherland, CMAR Chiang Mai Arr, CMAR, TSUM Tsumbe, PHRA Phrae, SHL Shillong, H01W3 Cape Leeuwin H, H01W2 Cape Leeuwin H, H01W1 Cape Leeuwin H, MORW Morawa, SBUM Sibiu, NWAO Narrogin (SRO), LSA Lhasa, SIMJ Simigan, CHGR Chuyangaron, GAR Garm, MAW Mawson, MAW, BTK Batken, KSH Kashi, KSH, KSH, KSH, MARD Mardin, MARD, AAK Alza-Archa, PRZ Przelaw'ski, BRTR Keskin Array B, BRTR Keskin Array B, GTA Gaotai, GTA, GTA, GTA, GTA, MK31 Makanchi Arr, MK31 Makanchi Arr, MKAR Makanchi Arr.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes rows for MANT Manisa, BORA Eskisehir, ABKAR Akbulak array, ASAR Alice Springs, AS31 Warramunga Arr, WRA Warramunga Arr, WRB Warramunga Arr, WRB Warramunga Arr, KURB Kurchatov Arra, KURK Kurchatov, BBOO Buckleboe, BVAR Borovoye Array, BRVK Borovoye, BRVK, TORD Torodi Arr, TORD, ZAAO Zalesovo Array, ZALV Zalesovo Beam, TAM Tamnassett, TAM, SNAAS Sanae, SNAAS, SNAAS, STKA Stephens Creek, VNA2 Neumayer Watz, SONM Sogingo Array, ULN Ulanbaatar, ULN, VNA3 Neumayer Olymp, AKASG Malin Array B, DBIC Dimbong, FDMO Fjordimento, FDMO, GSPA, CASP Castiglione de, ARSA Arzberg, ARSA Arzberg, ARSA, OKAN Canberra, OKBA Obir, CONA Conradsberg, MOA Mollin, ABTA Abtaltersbach, KRSR Korea Array, LESA Lesa, WTTA Wattenberg, WATA Walderalm, MOTA Moosalm, FETA Feichten, SENIN Lac Senin/Sane, FINES FINESS Array B, ESDC Sonseca Array, HFS Hagfors, YKA Yellowknife Arr, PDAR Pinedale Array, YBH Yreka Blue Hor, NVAR Mina Array Bea, TXAR Lajitas Array, TXAR.

BUI 29 19:08:27.6, 42.19N, 143.08E, h56km, mb5.5/89, mb5.6/49, Ms4.6/77, Ms7.4/776
MOS 29 19:08:29.6, 0.8, 42.30N, 143.04E, h63km, mb5.8/93, MS4.6/10, Error ellipse: s-maj=5.2km s-min=3.5km az=115.8
SKHL 29 19:08:30.3, 0.5, 42.20N, 143.20E, h73km, 5km, mb6.0/8, ms4.9/2
NIED 29 19:08:31.0, 42.33N, 143.11E, h51km, MW5.3, Moment Tensor Solution. s3 Moment tensor: Scale 10^19Nm; Mr=6.4; M0=3.41; M1=3.23; M2=1.44; M3=4.37; M4=5.42; Fault plane solution: Mo9.14000x10^16 NP1.185.00000, 865.00000, 172.00000. NP2: 0.245.00000, 831.00000, 172.00000
NEIC 29 19:08:30.4, 1.6, 42.35N, 0.05, 143.08E, 0.09, h52km, 1km, mb5.5/263, Mw5.4/37, Mw5.5/24, Error ellipse: s-maj=1.1km s-min=1.1km az=96.0, Moment Tensor Solution. Moment tensor: Scale 10^17Nm; Mr=0.96; M0=0.19; M1=0.77; M2=0.05; M3=0.45; M4=0.95; Fault plane solution: Mo1.38000x10^17 NP1.185.00000, 826.42000, 120.40000. NP2: 0.11.49000, 867.43000, 175.89000. Principal axes: T 1.3965, Plg65.0000, Azm25.0000; N -0.0389, Plg13.0000, Azm17.0000; P -1.3576, Plg21.0000, Azm112.0000
IDC 29 19:08:30.2, 0.9, 42.39N, 143.07E, h54km, 7km, mb5.1/50, mbmp5.4/56, MS4.4/71 Error ellipse: s-maj=8.2km s-min=6.4km az=78.0
JMA 29 19:08:31.0, 0.2, 42.3N, 0.5, 143.1E, 0.6, h51km, 1km, Mw5.3/40, Mw5.3/40, HIDEKA MOUNTAINS REGION
JMA Felt J1 Arr at HIDEKA MOUNTAINS REGION
NEIC 29 19:08:30.5, 42.12N, 143.00E, h60km, Moment Tensor Solution. Duration: 2s1 Moment tensor: Scale 10^19Nm;

29d 19h

Mn:7.77; Mx:3.28; Mx-4.49; Mx-1.29; Mx-4.87; Mx-3.99;
Fault plane solution: M9.3100x1016 NP1:0.30,15000;
58.52000; A.77.10000; NP2:0.233,83000; 8.33,77000;
Lambda1:0.03000; Principal axes: T: 8.9558, Plg73.0000;
Azim267.0000; N: 0.7003, Plg11.0000; Azm37.0000; P:
-9.6561, Plg13.0000; Azm129.0000;
BGR 29:19:08:30.0, 42.77N:143.74E, h33km, mb5.5, Ms4.7
NEIC 29:19:08:30.5, 42.32N:143.13E, h57km
NEIC 29:19:08:30.5, 42.32N:143.13E, h60km
GCMT 29:19:08:34.0, 42.12N:143.74E, h33km, mb5.5, Ms4.7
MWS:3/144, Moment Tensor Solution: s112,c179;
s144,c244; Direction: 1st Moment tensor: Scale 1017
Nm; M:0.80c:02; Mx:0.40c:02; Mx:0.39c:02;
Mx:0.14c:01; Mx:0.60c:01; Mx:0.57c:01; Best double
couple: Mx:1.08700x1017 NP1:0.27,00000; 8.62,00000;
1.70,00000; NP2:0.246,00000; 8.34,00000; A.124,00000;
Principal axes: T: 1.0350, Plg66.0000; Azm259.0000;
N: 0.1030, Plg18.0000; Azm37.0000; P: -1.1390,
Plg15.0000; Azm132.0000; nsta1 refers to body waves,
cutoff=40s. nsta2 refers to surface waves, cutoff=50s.
Triangular moment-rate function
ISC 29:19:08:30.1, 0.3, 42.32N:143.14E:0.03, h58km, 1km,
h58km, P-P, 1618, s117/1673, mb5.5/376, MS4.6/101,
109C-73D, Hokkaido region

Table with columns: Code, Station Name, Delta, Az, Op, ISC, Phase ID, Time, Res, ISC. Rows include stations like TOKACHIHIRO, URUKAWA-NOBUKA, ERIMO, CHURUI, etc.

2018 DEC

Table with columns: YUK, A, A, 19 09 52.3, etc. Rows include stations like SOYAES, YUZH-KURILSK, JYUWA, etc.

1956

Table with columns: USRK, S, Sn, 19 12 01.6 +0.3, etc. Rows include stations like POSYET, MITSUNE, GORNYY, etc.

29d 19h

Table with columns for station ID, name, frequency, power, and signal strength. Includes stations like CHGN Chignik, O16K Kokwok River B, P16K Nushagak River, etc.

2018 DEC

Table with columns for station ID, name, frequency, power, and signal strength. Includes stations like UBPT Khong Chiam, O20K Slope Mountain, PPLA Purkevile, etc.

1958

Table with columns for station ID, name, frequency, power, and signal strength. Includes stations like M23K Glacier View, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

1961

Table with columns: SUE, comp=Z, SNR, I/Amb, 19 19, and numerical values. Includes entries like HOQ Hoagin, HATD Hatta, HATD Hatta, etc.

2018 DEC

Table with columns: TOKA Tokat, comp=Z, SNR, I/Amb, 19 20, and numerical values. Includes entries like TOKA Tokat, ULM Lac du Bonnet, ULM Lac du Bonnet, etc.

29d 19h

Table with columns: BRTR, comp=Z, SNR, LR, LR, and numerical values. Includes entries like BRTR Keskin Array B, BR106 Keskin Array S, LANS Liptovska Anna, etc.

Table with columns: CCM, CCM, URZ, URZ, TAOE, FVM, FVM, FVM, FVM, HPIG, HPIG, CEL, CEL, CEL, O4TB, O4TB, BATH, BATH, FCAR, FCAR, MIAR, MIAR, MIAR, MIAR, LCAR, LCAR, MNWY, MNWY, MRZ, MRZ, BOS, BOS, ACCO, ACCO, VAE, VAE, WCI, WCI, WCI, WCI, WWT, WWT, WWT, WWT, 833A, 833A, RPZ, RPZ, RPZ, RPZ, SSSA, SSSA, ATD, ATD, ATD, ATD, HRV, HRV, HRV, HRV, WES, WES, WES, WES, ODNJ, ODNJ, KEST, KEST, KEST, KEST, PBRC, PBRC, PGAV, PGAV, PGAV, PGAV, PCAB, PCAB, MVO, MVO, MVO, MVO, POLO, POLO, PVRL, PVRL, PVRL, PVRL, ESB, ESB, ESB, ESB, ESDC, ESDC, ESDC, ESDC, PVIS, PVIS, PAB, PAB, PAB, PAB, MTE, MTE, MTE, MTE, MTE, MTE, COI, COI, COI, COI, PCBR, PCBR, PMRV, PMRV, PMRV, PMRV, PMTE, PMTE, PESTR, PESTR, PESTR, PESTR

Table with columns: PBEJ, PCVE, PCVE, PVAQ, PVAQ, MDT, MDT, KMBO, KMBO, TORD, TORD, TORD, TORD, LSZ, LSZ, LSZ, LSZ, SDV, SDV, BAUV, BAUV, BROLN, BROLN, DBIC, DBIC, DBIC, DBIC, MAW, MAW, LPHER, LPHER, CKGRV, CKGRV, XAUDM, XAUDM, KAWAN, KAWAN, LBTS, LBTS, LBTS, LBTS, MAKR, MAKR, GRTL, GRTL, KGAEC, KGAEC, BOS, BOS, LKGB, LKGB, SOE, SOE, SOE, SOE, QSPA, QSPA, QSPA, QSPA, ETMB, ETMB, ELIB, ELIB, NVL, NVL, NVL, NVL, LPAZ, LPAZ, TA02, TA02, VILB, VILB, GO01, GO01, TA01, TA01, TROLL, TROLL, PB01, PB01, H03N2, H03N2, H03N3, H03N3, H03N1, H03N1, SNA, SNA, SNA, SNA, SNA, SNA, PB06, PB06, PB15, PB15, PTBL, PTBL, PB14, PB14, VNA2, VNA2, VNA3, VNA3, VNA3, VNA3, AC01, AC01, GO02, GO02, VNA1, VNA1, SMAI, SMAI, LCO, LCO, LCO, LCO, AC05, AC05, CO06, CO06, GO04, GO04, VAO6, VAO6, MT02, MT02, BDFB, BDFB, BDFB, BDFB, VAO3, VAO3, GO05, GO05, PEL, PEL, PEL, PEL, MT05, MT05, MT16, MT16, BO01, BO01, BO02, BO02, PLCA, PLCA, CPUP, CPUP, CPUP, CPUP

Table with columns: Code, Station Name, A, AZ, Phase ID, Time, Res, h, m, s, ISC, NIUE, NIUE, NIUE, NIUE, MSVF, MSVF, MSVF, MSVF, RAR, RAR, RAR, RAR, RTZ, RTZ, RTZ, RTZ, HPT, HPT, HPT, HPT, EIDS, EIDS, EIDS, EIDS, CTA, CTA, CTA, CTA, CTA, CTA, STKA, STKA, STKA, STKA, AS31, AS31, ASAR, ASAR, WBO, WBO, WBO, WBO, WRA, WRA, WRA, WRA, FORT, FORT, FORT, FORT, MTN, MTN, MTN, MTN, KNRA, KNRA, KNRA, KNRA, SOEI, SOEI, MBWA, MBWA, MBWA, MBWA, TOL2, TOL2, TOL2, TOL2, MJAR, MJAR, MJAR, MJAR, PETK, PETK, PETK, PETK, KSRS, KSRS, KSRS, KSRS, USRK, USRK, USRK, USRK, TROLL, TROLL, TROLL, TROLL, SNA, SNA, SNA, SNA, TXAR, TXAR, TXAR, TXAR, RPSI, RPSI, RPSI, RPSI, GSI, GSI, PDAR, PDAR, PDAR, PDAR, SEY, SEY, SEY, SEY, ENH, ENH, ILAR, ILAR, ILAR, ILAR, F19K, F19K, F19K, F19K, E19K, E19K, E19K, E19K, I20M, I20M, I20M, I20M, I30M, I30M, I30M, I30M, CM31, CM31, CMAR, CMAR, CMAR, CMAR, CHTO, CHTO, CHTO, CHTO, YALV, YALV, YALV, YALV, MKAR, MKAR, MKAR, MKAR, KURBB, KURBB, KURBB, KURBB, BVAR, BVAR, BVAR, BVAR, HFS, HFS, HFS, HFS, AKAS, AKAS, AKAS, AKAS, AKBB, AKBB, KIEV, KIEV, EKA, EKA, BR13, BR13, BRTR, BRTR, BRTR, BRTR, DZM, DZM, DZM, DZM, CTA, CTA, CTA, CTA, ASAR, ASAR, ASAR, ASAR, WRA, WRA, WRA, WRA, CMAR, CMAR, CMAR, CMAR, ZALV, ZALV, ZALV, ZALV, KURBB, KURBB, KURBB, KURBB, BVAR, BVAR, BVAR, BVAR, BRTR, BRTR, BRTR, BRTR, MOS, MOS, SKHL, SKHL, NEIC, NEIC, NEIC, NEIC, JMA, JMA, KUR, KUR, KUR, KUR

1965

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NARSARSUAQ, IVI, ANGG, etc.

2018 DEC

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BELG, C24K, B22K, etc.

29d 19h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RC01, M22K, PMR, etc.

NEIC 29 19:48: 19.4: 1.1, 61.41N:0.02:150.08W:0.04, h42km, 3km, Error ellipse: s-maj=3.6km s-min=2.9km az=151.0
AEIC 29 19:48: 20.0: 1.3, 61.39N:0.02:150.09W:0.05, h36km, 4km, ML3.4, ML3.6/10(NEIC), Error ellipse: s-maj=3.5km s-min=3.4km az=180.0
ISC 29 19:48: 19.9: 1.5, 61.39N:0.03:150.08W:0.03, h39km, 1km, m102, c0f62/119, Southern Alaska

29d 21h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, IAML, Pn, Sn. Includes stations like Q23K, N18K, O18K, Q18K, etc.

NEIC 29-20:22:24.6 0.6 19°41'N, 102°07'W, 0.008, h1km, 3km, Error ellipse: s-maj=1.3km s-min=0.9km az=216.0

HVO 29-20:22:23.7 0.8 19°42'N, 102°06'W, 0.006, 155°26'W, 0.008, h-0km, 4km, ML2.9/24, ML2.3/32(NEIC), Error ellipse: s-maj=1.2km s-min=0.6km az=48.0, Hawaiian Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, IAML, Pn, Sn. Includes stations like HATHI, BYL, SBLHI, UWB, etc.

2018 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, IAMB, IAMB, P, P, P. Includes stations like LBTH, BOSA, SUR, FITZ, QSPA, ASAR, WRA, etc.

DJA 29-21:20:25.9 1.6 7°S, 8°E, 13°0'E, h31km, 21km, M4.3/7, mb4.5/LM4.3/7, Banda Sea

DC 29-21:27:50.1 0.8 37°55'N, 20°95'E, h0km, mb3.9/17, mbmp3.8/27, ML3.3/7, MS3.1/4, Error ellipse: s-maj=16.4km s-min=13.5km az=7.0

NEIC 29-21:27:52.4 2.4 37°58'N, 07°20'W, 0.07, h10km, 2km, mb4.5/12, Error ellipse: s-maj=11.4km s-min=9.5km az=204.0

MED_RC 29-21:27:52.0 1.0 37°54'N, 20°69'E, h23km, 1km, MW4.3/3, Moment Tensor Solution, Mantle waves: s3,c4; Duration: 17.0 Moment tensor: Scale: 0.15N/m; Mw: 3.06; 94; Mw=0.33; 64; Mw=2.73; 47; Mw=0.30; 42; Mw=1.74; 49; Mw=0.10; 37; Best double couple: M3, 3.7000x10^15

NP1 p=147.00000°, 847.00000°, 83.00000°. Np2: p=337.00000°, 843.00000°, 1.97.00000°. Principal axes: T 3.0900, Plg85.0000°, Azm353.0000°; N 0.5600, Plg5.0000°, Azm152.0000°; P -3.6500, Plg2.0000°, Azm242.0000°; nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s.

ATH 29-21:27:54.2 37°57'N, 20°77'E, h20km, ML3.7/18, Manual Solution by F.Xalasis This location: 2020/09/02 11:02:54 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 1

BE0 29-21:27:54.2 0.7 37°68'N, 20°44'E, h10km, ML3.5/5 THE 29-21:27:55.2 37°59'N, 20°81'E, h19km, ML3.5/5, Error ellipse: s-maj=1.1km s-min=0.4km az=233.0

NAO 29-21:28:06.9 37°54'N, 20°69'E, h10km, mb3.5 ISC 29-21:27:53.6 0.7 37°59'N, 03°20'W, 0.03, h27km, 4km, n206, 1970/255, mb3.9/20, 16C-9D, Ionian Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, IAMB, IAMB, P, P, P. Includes stations like LTHK, LTHK, LTHK, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, IAMB, IAMB, P, P, P. Includes stations like ITM, EVGI, EVGI, etc.

1966

Table of astronomical observations for 1967, listing stations like KEST, VRI, SABO, OBKA, etc., with columns for station name, coordinates, and other parameters.

Table of astronomical observations for 2018 DEC, listing stations like NJ2, ASAR, IDC, etc., with columns for station name, coordinates, and other parameters.

Table of astronomical observations for 29d 22h, listing stations like PBEJ, PBAR, etc., with columns for station name, coordinates, and other parameters.

1969

Table with columns: BRTR, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ANKARA, MUDURNU, BORA, BORVOYE, etc.

2018 DEC

Table with columns: ILAR, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ELIASON ARRAY, YKAW, WARRAMONG ARR, ALICE SPRINGS, etc.

29d 23h

Table with columns: CMAR, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CHIANG MAI ARR, ALA-ARCHA, VILLASALTO, etc.

29d 23h

ASAR	comp=Z,2.3nm,0.5s,baz=260,slow=4.9,SNR=58	LR	LR	00 06 09.3	
AS31	comp=Z,2.3nm,0.5s	83.59 113	P	P	23 34 58.0 -0.3
WRA	comp=Z,2.3nm,0.5s	84.72 109	P	P	23 35 04.2 +0.2
WB2	comp=Z,6.1nm,1.0s,baz=260,slow=3.2,SNR=20	84.73 109	P	P	23 35 02.5 -1.5
WB0	comp=Z,6.1nm,1.0s,baz=260,slow=3.2,SNR=20	84.80 109	P	P	23 35 03.8 -0.7
STKA	comp=Z,3.8nm,0.9s,baz=284,slow=4.2,SNR=4.1	88.47 122	P	P	23 35 20.8 -1.3
BDFB	comp=Z,1.5nm,0.6s,baz=107,slow=10,SNR=3.6	89.82 254	P	P	23 35 31.4 +2.5
BDFB	comp=Z,1.5nm,0.6s,baz=107,slow=10,SNR=3.6	LR	LR	00 12 32.6	
CPUP	comp=Z,50nm,18.5s,baz=355,slow=33	95.48 242	LR	LR	00 14 45.0
CTA	comp=Z,46nm,18.9s,baz=148,slow=33	95.57 112	LR	LR	00 14 13.6
ILAR	comp=Z,2.0nm,1.1s,baz=317,slow=3.1,SNR=4.5	127.45 7	PKP	PKP	23 41 34.2 +0.4
YKA	comp=Z,0.6nm,1.1s,baz=317,slow=3.1,SNR=4.5	128.41 348	PKP	PKP	23 41 35.9 +0.2
PDAR	comp=Z,0.6nm,1.1s,baz=317,slow=3.1,SNR=4.5	143.15 329	PKP	PKP	23 42 03.8 -0.1
TXAR	comp=Z,1.0nm,0.8s,baz=44,slow=1.7,SNR=4.8	146.96 305	PKP	PKP	23 42 12.8 +2.0
NVAR	comp=Z,0.9nm,0.7s,baz=83,slow=5.1,SNR=6.0	150.70 333	PKP	PKP	23 42 16.9 +0.1
NVAR	comp=Z,1.5nm,0.6s,baz=36,slow=4.5,SNR=8.5	150.70 333	PKP	PKP	23 42 23.6 +1.4
NVAR	comp=Z,1.6nm,0.8s,baz=33,slow=5.0,SNR=7.3	150.70 333	PKP	PKP	23 42 29.3 +0.3
NVAR	comp=Z,0.8nm,0.7s,baz=9.7,slow=5.2,SNR=9.8	150.70 333	PKP	PKP	23 42 29.3 +0.3

IDC 29 23:24:58.0±3.9, 3.6BS:151.20E,h0km,mb3.1/2,
mbmp3.2/2, Error ellipse: s-maj=176.1km
s-min=46.9km az=117.0, New Ireland region

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
PMG	Pori Moresby	6.96 215	Op	ISC	h m s ISC
WRA	Warramunga Arr	23.06 224	P	P	23 30 07.1 +1.9
ASAR	Alice Springs	25.96 219	P	P	23 30 31.5 -1.0
TORD	Tordi Ar. Bea	148.43 289	PKP	PKP	23 44 46.4 -1.3

HEL 29 23:46:56.7±0.3, 6.7:17N:20:57E,h0km,ML1.1, Explosion
UPP 29 23:46:56.4±0.1, 6.7:19N:20:61E,h0km,ML2.5, Unknown
ISC 29 23:46:55.7±1.0, 6.7:22N:03:20:70E,0:04,h0km,n12,
0:45/19, Sweden

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
DUNU	Dundret	0.11 208	P	Pg	23 46 57.9 +0.1
MASU	Masungnsby	0.56 64	P	Pg	23 47 07.8 -0.6
RATU	Laukkulusspa	0.74 325	P	Pg	23 47 10.4 +0.4
KUA	Kurtavaara	0.75 349	P	Pg	23 47 11.1 -0.6
ERTU	Ertisaarvi	0.89 138	eP	Pg	23 47 12.5 -0.2
ERTU	Ertisaarvi	0.89 138	eS	Pg	23 47 25.1 +0.9
LANU	Lannavaara	0.97 30	eP	Pg	23 47 15.3 -0.1
KOVU	Salmi	1.03 349	P	Pg	23 47 16.5 +0.1
KLF	Kolari	1.27 88	P	Pg	23 47 20.0 0.0
KLF	Kolari	1.27 88	eS	Pg	23 47 38.0 -0.4
KLF	Kolari	1.27 88	MSG	Pg	23 47 38.6
HEF	Hetta	1.64 42	eP	Pg	23 47 27.0 +0.2
HEF	Hetta	1.64 42	eS	Pg	23 47 48.8 -0.5
TOF	Tornio	1.84 127	eP	Pg	23 47 30.2 +0.1
TOF	Tornio	1.84 127	MSG	Pg	23 47 54.4
TOF	Tornio	1.84 127	eS	Pg	23 47 55.6 +0.8
RNF	Rovaniemi	2.18 104	eP	Pg	23 47 35.6 -0.4
RNF	Rovaniemi	2.18 104	eS	Pg	23 47 50.0 0.0
SGF	Sodankyl	2.27 82	eP	Pg	23 47 37.6 +0.1

IDC 29 23:51:59.9±2.1, 27.26N:141.01E, h111km,18km,
mb3.7/15,mbmp4.0/19,MS2.8/1, Error ellipse:
s-maj=20.5km s-min=10.7km az=96.0

NEIC 29 23:51:59.4±1.5, 27.20N:10.14,1.36E:0.08,h96km,8km,
mb4.7/16, Error ellipse: s-maj=14.7km s-min=9.4km
az=199.0

JMA 29 23:52:00.2±0.2, 27.2N:141.0E, h117km, MV4.2/19,
NEAR CHICHUJIMA ISLAND

JMA Feit II J1 at NEAR CHICHUJIMA ISLAND

ISC 29 23:51:57.8±0.5, 27.23N:0.06,141.26E:0.08,h94km,n64,
0:134/61,mb4.2/24, Bonin Islands region

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
CBJ1	Chichi jima	0.83 99	Op	ISC	h m s ISC
CBJ1	Chichi jima	0.83 99	P	Pn	23 52 17.0 +0.9
CBJ1	Chichi jima	0.83 99	A	S	23 52 29.7 0.0
CBJ1	Chichi jima	0.83 99	A	S	23 52 17.0
JCJ	Chichijima	0.83 99	Pn	Pn	23 52 16.8 +0.8
JHJ2	Haha-jima-NKT2	1.01 126	S	S	23 52 19.0 +1.0
JHJ2	Haha-jima-NKT2	1.01 126	A	S	23 52 32.9 -0.2
JHJ2	Haha-jima-NKT2	1.01 126	A	S	23 52 19.0
BSO1	Boso 1	7.40 358	eP	Pn	23 53 41.5 -1.2
BSO3	Boso 3	7.57 355	eP	Pn	23 53 45.4 +0.2
BSO4	Boso 4	7.77 354	eP	Pn	23 53 48.6 +0.6
JOD2	Odawara 2	8.22 347	eP	Pn	23 53 55.2 +0.9
JGF	Kuroka	8.98 339	Pn	Pn	23 54 05.3 +0.6
JMN	Monobe	9.08 317	Pn	Pn	23 54 08.6 +2.6
JAG	Ashikaga	9.25 351	Pn	Pn	23 54 06.8 -2.1
IMJAR	Matsushima Arr	9.83 345	P	Pn	23 54 12.5 -1.1
MJAR	Matsushima	9.83 345	S	S	23 56 01.8 +1.8
MAJO	Matsushima	9.64 345	Pn	Pn	23 54 15.2 +1.6
MJB8	Matsu-Tunnel	9.64 345	Pn	Pn	23 54 16.0 +2.4
JMM	Marumori	10.61 358	Pn	Pn	23 54 24.1 -2.7
JTM	Tenmabayashi	13.52 359	Pn	Pn	23 55 03.7 -2.0
GUMO	Guam	13.99 165	LR	LR	23 59 10.6
ERM	Ermo	14.83 6	P	P	23 55 25.1 -0.9
KSR5	Korea Array	15.18 315	P	P	23 55 27.9 +0.9
ASAJ	Asahikawa	16.88 3	P	Pn	23 55 48.8 +0.6
YHNB	Yeheng	18.06 266	P	Pn	23 56 04.5 +1.7
YHNB	Yeheng	18.06 266	Iamb	Iamb	23 56 17.0
USRK	Ussuriysk Ar.	18.51 339	P	P	23 56 06.9 +0.4
H1N2	WAKE ISLAND Hy	24.64 102	T	T	00 22 37.6
H1N1	WAKE ISLAND Hy	24.64 102	T	T	00 23 20.7
H1N3	WAKE ISLAND Hy	24.66 102	T	T	00 23 21.3
H1S3	WAKE ISLAND Hy	24.95 105	T	T	00 22 51.5
H1S1	WAKE ISLAND Hy	24.96 105	T	T	00 22 51.3
H1S2	WAKE ISLAND Hy	24.97 105	T	T	00 22 46.0
FAKI	Fak Fak	31.21 198	P	P	23 58 07.5 -0.9
SONM	Songino Array	34.05 317	ScP	ScP	00 04 43.7 -1.4
BATI	Baumata	49.40 207	P	P	23 59 31.2 -0.1
WB0	Warramunga Arr	47.19 189	P	P	00 00 21.1 -0.2
RPS1	Rantau Prapat	47.26 246	P	P	00 00 23.0 +1.1
RPS1	Rantau Prapat	47.26 246	Iamb	Iamb	00 00 25.0
WRA	Warramunga Arr	47.37 189	P	P	00 00 22.5 -0.1
WRA	Warramunga Arr	47.37 189	ScP	ScP	00 05 35.9 -1.6
FITZ	Fitzy Crossi	47.54 200	P	P	00 00 24.5 +0.6

2018 DEC

GS1	comp=Z,2.7nm,0.3s,baz=26,slow=12,SNR=31	Gunungsitio	49.16 246	P	Iamb	Iamb	00 00 37.7 +1.2
MSK1	comp=Z,2.7nm,0.3s	Gunungsitio	49.16 246	P	Iamb	Iamb	00 00 39.3
GKAR	comp=Z,2.1nm,1.5s	Makanchi Array	49.75 310	P	P	P	00 00 39.4 -1.3
MKAR	comp=Z,0.2nm,0.5s,baz=96,slow=8.8,SNR=1.5	Makanchi Array	49.75 310	P	P	ScP	00 05 43.6 -3.8
AS31	comp=Z,0.1nm,0.4s,baz=81,slow=4.5,SNR=5.5	Alice Springs	51.10 189	P	P	P	00 00 51.7 +0.8
AS31	comp=Z,0.8nm,0.4s,baz=71,slow=7.0,SNR=22	Alice Springs	51.10 189	P	P	P	00 00 50.7 -0.3
KURB5	comp=Z,0.2nm,0.3s,baz=91,slow=7.5,SNR=2.6	Kurabov Arr	52.35 314	P	P	P	00 00 57.2 -2.9
MBWA	comp=Z,2.0nm,0.3s	Marble Bar	52.43 206	P	Iamb	Iamb	00 01 01.6 +0.7
MBWA	comp=Z,16nm,1.2s	Marble Bar	52.43 206	P	Iamb	Iamb	00 01 05.6
K17K	comp=Z,7.7nm,0.8s	lditarov	52.67 30	P	P	P	00 01 04.4 +2.2
K17K	comp=Z,7.7nm,0.8s	lditarov	52.67 30	P	Iamb	Iamb	00 01 05.6
M17K	comp=Z,9.8nm,1.1s	Holitina River	52.79 32	P	P	P	00 01 05.2 +2.1
M17K	comp=Z,9.8nm,1.1s	Holitina River	52.79 32	P	Iamb	Iamb	00 01 32.2
KDAD	comp=Z,4.9nm,0.3s,baz=190,slow=11,SNR=12	Kodiak Island	54.75 37	P	P	P	00 01 18.5 +1.1
KDAD	comp=Z,4.9nm,0.3s,baz=190,slow=11,SNR=12	Kurabov Arr	54.75 37	P	P	P	00 01 18.5 +1.1
SYI	comp=Z,4.9nm,0.3s	Shuyak Island	54.91 36	P	P	P	00 01 18.9 +0.4
BVAR	comp=Z,0.4nm,0.4s,baz=83,slow=10,SNR=2.8	Borovoye Array	57.38 317	P	P	P	00 01 36.0 -0.3
IL31	comp=Z,0.4nm,0.4s	Eielson Array	57.99 29	P	P	P	00 01 40.6 +0.4
ILAR	comp=Z,0.2nm,0.8s,baz=57,slow=6.8,SNR=20	Eielson Array	57.99 29	P	P	P	00 01 40.9 +0.5
STKA	comp=Z,1.1nm,0.4s	Stephens Creek	58.78 180	P	P	P	00 01 46.2 0.0
STKA	comp=Z,1.1nm,0.4s	Stephens Creek	58.78 180	P	P	P	00 01 46.2 0.0
N25K	comp=Z,1.1nm,0.4s	Chitina, Valde	58.93 32	P	P	P	00 01 48.1 +1.1
O29M	comp=Z,1.1nm,0.4s	Mount Kennedy	61.94 34	P	P	P	00 02 08.5 +1.0
O29M	comp=Z,1.1nm,0.4s	Mount Kennedy	61.94 34	P	Iamb	Iamb	00 02 18.2
INK	comp=Z,8.5nm,1.2s	Inuvik	63.24 25	P	P	P	00 02 17.0 +1.0
ABKAR	comp=Z,8.5nm,1.2s	Abkutak array	64.41 314	P	P	P	00 02 22.8 -1.3
YKA	comp=Z,0.4nm,0.3s,baz=298,slow=6.7,SNR=15	Yellowknife Arr	72.41 28	P	P	P	00 03 14.3 +0.7
ARCES	comp=Z,5.0nm,0.5s,baz=51,slow=6.7,SNR=1.7	ARCESS Array B	73.14 341	P	P	P	00 03 18.4 +0.6
KBZ	comp=Z,5.0nm,0.5s	Khabaz	77.31 313	P	P	P	00 03 41.6 -0.6
KBZ	comp=Z,1.1nm,0.8s,baz=57,slow=5.4,SNR=2.0	Khabaz	77.31 313	P	P	P	00 03 41.6 -0.6
FINES	comp=Z,4.0nm,1.1s	FINESSE Array B	77.46 334	P	P	P	00 03 42.3 -0.3
FINES	comp=Z,4.0nm,1.1s	FINESSE Array B	77.46 334	P	P	P	00 03 42.3 -0.3
BMO	comp=Z,2.0nm,0.6s,baz=307,slow=5.4,SNR=2.5	Blue Mountains	78.79 45	P	P	P	00 04 06.4 +1.3
BMO	comp=Z,2.0nm,0.6s,baz=307,slow=5.4,SNR=2.5	Mina Array Bea	81.08 51	P	P	P	00 04 04.4 +1.3
HFS	comp=Z,1.8nm,0.8s,baz=46,slow=4.2,SNR=6.6	Hagfors	82.97 336	P	P	P	00 04 11.1 -1.2
HFS	comp=Z,1.8nm,0.8s,baz=46,slow=4.2,SNR=6.6	Hagfors	82.97 336	P	P	P	00 04 11.1 -1.2
NOA	comp=Z,0.4nm,0.7s,baz=52,slow=6.7,SNR=1.7	NORSAR Array B	83.18 338	P	P	P	00 04 12.5 -0.9
NOA	comp=Z,0.4nm,0.7s,baz=52,slow=6.7,SNR=1.7	NORSAR Array B	83.18 338	P	P	P	00 04 12.5 -0.9
PDAR	comp=Z,0.4nm,0.7s,baz=274,slow=7.8,SNR=3.9	Pinedale Array	84.69 44	P	P	P	00 04 22.6 +0.8
PDAR	comp=Z,0.4nm,0.7s,baz=274,slow=7.8,SNR=3.9	Pinedale Array	84.69 44	P	P	P	00 04 22.6 +0.8
TORD	comp=Z,0.2nm,0.7s,baz=343,slow=3.0,SNR=1.5	Tordi Ar. Bea	128.87 310	PKP	PKP	PKP	00 10 44.7 -1.0
TORD	comp=Z,0.2nm,0.7s,baz=343,slow=3.0,SNR=1.5	Tordi Ar. Bea	128.87 310	PKP	PKP	PKP	00 10 44.7 -1.0

STR 29 23:52:42.2±2.5, 41°N:23°1'3E:2'3, h10km, MLV3.8/17,
Error ellipse: s-maj=0.0km s-min=0.0km az=44.0,
preliminary

ROM 29 23:52:48.9±0.0, 41:868N:0:003:12:780E:0:004,
h10km, ML3.2/169, Error ellipse: s-maj=0.3km s-min=0.3km
az=233.0

LDG 29 23:52:49.2±0.2, 41:88N:12:81E, h10km, ML2.8/11, Error
ellipse: s-maj=5.4km s-min=4.0km az=23.0

30d Oh

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include ROSALIA, CONRAD, VIVIF, LASF, etc.

SJA 30 00:05:11.6:1.1, 28°53'S-70°66'W, h78km, 12km, ML2.2, MW2.7, Central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include LCO, AC04, CO01, GO04, etc.

KOLA 30 00:29:34.8, 67°64'N-33°79'E, h0km, ML1.9, Error ellipse: s-maj=2.4km s-min=1.7km az=130.0, Khbiny, mines

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include APA, APA0, APA0, LVZ, etc.

HEL 30 00:30:05.0:0.0, 3.67°82'N-20°33'E, h0km, ML1.5, Suspected explosion

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include KUA, RATU, KOVU, LANU, etc.

ICD 30 00:30:59.8:38.0, 41°88'N-145°85'E, h0km, mb3.7/5, mbmp3.7/5, Error ellipse: s-maj=852.6km s-min=80.4km az=159.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include JMA, MASU, etc.

2018 DEC

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include JAK, JKH, JAKH, etc.

ICD 30 00:35:51.5:3.5, 30°85'N-141°00'E, h54km, 29km, mb3.8/2.5, mbmp4.1/2.6, ML3.3/1, MS3.1/3, Error ellipse: s-maj=16.3km s-min=15.7km az=118.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include JCH, JFR, JKR, etc.

ICD 30 00:35:53.4:0.5, 30°90'N-106°141'E, h71km, n79, s154/87, mb4.2/32, Southeast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include JHCJ, JHUJ, JHUJ, etc.

HEL 30 00:30:03.0:0.0, 67°33'N-20°21'E, h0km, ML2.6, Unknown, Sweden

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include KUA, RATU, KOVU, LANU, etc.

1972

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include BVAR, BVAR, ELI, ELI, etc.

ICD 30 00:36:15.6:0.6, 56°32'N-148°51'W, h0km, mb4.2/2.7, mbmp4.3/3.2, ML4.3/5, MS3.7/4.8, Error ellipse: s-maj=19.3km s-min=10.6km az=29.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include NEIC, NEIC, NEIC, etc.

ICD 30 00:36:20.1:2.8, 56°26'N-148°49'W, h0km, h12km, 4km Error ellipse: s-maj=9.2km s-min=7.6km az=187.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include KDKA, KDKA, KDKA, etc.

1973

Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, Location, and other details. Includes entries like R18K Karluk, R18K R18K, BRSE Bradley Lake S, etc.

2018 DEC

Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, Location, and other details. Includes entries like PMR Palmer, SUA Susitna One, SUA SUA, etc.

30d 0h

Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, Location, and other details. Includes entries like YUK4, P30M Million Dollar, P30M P30M, etc.

30d Oh

J26L	Joseph Creek	8.46	14	P	Pn	00 38 21.2 +1.4
L29M	L29M	8.47	33		Pn	00 38 21.5 +1.6
L29M	L29M	8.47	33	P	Pn	00 38 21.4 +1.4
COLA	College	8.50	2		Pn	00 38 21.2 +1.0
COLA	College	8.50	2	P	Pn	00 38 21.3 +1.1
COLA	baz=182				S	00 39 52.7 -3.2
COLA	baz=182				S	00 38 20.6 +0.4
U33K	Whale Pass	8.51	86	P	Pn	00 38 18.2 -2.1
U33K	Whale Pass	8.51	86	P	Pn	00 38 18.3 -2.0
U33K	baz=277				S	00 39 49.2 -7.1
U33K	baz=277				S	00 39 49.2 -7.1
T33K	Petersburg	8.53	81	P	Pn	00 38 20.6 0.0
M30M	Minto, Yukon	8.54	39	P	Pn	00 38 22.1 +1.3
M30M	baz=228,SNR=39				S	00 39 57.0 0.0
L15K	Ungalak Mounta	8.56	313	P	Pn	00 39 19.0 -1.2
CRAC	Craig	8.62	90	Pn	Pn	00 38 19.5 -2.4
CRAC	Craig	8.62	90	P	Pn	00 38 20.7 -1.3
CRAG	baz=282				S	00 39 53.3 -5.8
FALS	False Pass	8.64	266	P	Pn	00 38 20.1 -2.1
POKR	Poker Plat Res	8.75	3	P	Pn	00 38 23.9 +0.3
POKR	baz=184				S	00 39 59.0 -3.2
POKR	baz=184				S	00 39 59.0 -3.2
I23K	Minto, Yukon-K	8.78	357	P	Pn	00 38 24.4 +0.4
I23K	baz=177,SNR=24				S	00 39 59.0 -3.9
I23K	baz=177				S	00 39 59.0 -3.9
M13K	Dall Lake	8.81	303	Pn	Pn	00 38 22.4 -2.1
M13K	Dall Lake	8.81	303	P	Pn	00 38 24.7 +0.2
J17K	VABM Dome	8.82	327	P	Pn	00 38 23.4 -1.2
DAWY	Dawson	8.88	26	P	Pn	00 38 26.4 +1.0
DAWY	baz=214,SNR=37				S	00 40 05.8 +0.3
L14K	Kuka Creek	8.89	310	P	Pn	00 38 25.1 -0.5
L14K	baz=118				S	00 40 01.5 -4.2
WRAK	Wrangell Islan	8.90	83	P	Pn	00 38 24.7 -0.9
WRAK	Wrangell Islan	8.90	83	P	Pn	00 38 26.0 +0.3
WRAK	baz=276				S	00 39 59.8 -6.1
K15K	Wolf Creek Mou	8.92	317	P	Pn	00 38 25.5 -0.6
I20K	Naaghdeneel	8.93	343	P	Pn	00 38 26.7 +0.6
I20K	baz=158				S	00 40 02.2 -4.2
Q32M	Nakina River	9.00	67	P	Pn	00 38 28.4 +1.1
Q32M	Nakina River	9.00	67	P	Pn	00 38 28.9 +1.5
Q32M	baz=260				S	00 40 07.0 -1.8
P33M	Teslin, Yukon	9.03	59	Pn	Pn	00 38 29.0 +1.4
P33M	Teslin, Yukon	9.03	59	P	Pn	00 38 28.8 +1.2
EGAK	Eagle	9.11	20	Pn	Pn	00 38 29.6 +1.0
EGAK	Eagle	9.11	20	P	Pn	00 38 29.9 +1.3
EGAK	baz=206,SNR=30				S	00 40 09.3 -1.7
M31M	Drury Creek, Y	9.21	45	P	Pn	00 38 31.9 +1.9
K29M	Barlow Dome	9.21	31	P	Pn	00 38 31.6 +1.5
J16K	Anvik River	9.22	323	P	Pn	00 38 28.9 -1.3
J16K	baz=134,SNR=9.7				S	00 40 10.0 -3.8
PRP	Porcupine Dome	9.24	7	P	Pn	00 38 31.1 +0.6
PRP	baz=190,SNR=7.3				S	00 40 10.7 -3.9
N32M	Quiet Lake	9.25	53	P	Pn	00 38 32.2 +1.6
N32M	Quiet Lake	9.25	53	P	Pn	00 38 32.1 +1.6
I26K	Coal Creek Min	9.28	14	Pn	Pn	00 38 31.8 +0.9
I26K	Coal Creek Min	9.28	14	P	Pn	00 38 32.5 +1.6
GCSA	Galena City Sc	9.34	337	P	Pn	00 38 31.4 -0.2
H24K	Noodor Dome	9.46	1	P	Pn	00 38 34.7 +1.2
H24K	baz=182,SNR=12				S	00 40 17.4 -2.5
H24K	baz=182				S	00 40 17.4 -2.5
V35K	Ketchikan	9.49	90	Pn	Pn	00 38 31.7 -2.1
V35K	Ketchikan	9.49	90	P	Pn	00 38 33.3 -0.5
V35K	baz=282				S	00 40 16.1 -4.4
V35K	baz=282				S	00 40 16.1 -4.4
S34M	Telegraph Cree	9.50	74	Pn	Pn	00 38 34.1 +0.2
S34M	Telegraph Cree	9.50	74	P	Pn	00 38 34.1 +0.2
H21K	Melozhina Riv	9.52	349	P	Pn	00 38 34.5 +0.3
H21K	baz=166				S	00 40 17.2 -3.9
H21K	baz=166				S	00 40 17.2 -3.9
MAYO	Mayo, Yukon	9.53	36	Pn	Pn	00 38 35.4 +1.0
MAYO	Mayo, Yukon	9.53	36	P	Pn	00 38 35.6 +1.2
H22K	Ishitalina Cre	9.62	353	P	Pn	00 38 36.2 +0.5
H22K	baz=170,SNR=7.7				S	00 40 17.2 -6.5
H22K	baz=170				S	00 40 17.2 -6.5
FARO	Faro, Yukon	9.63	47	P	Pn	00 38 37.8 +2.0
H20K	Anotleneega Mo	9.64	344	P	Pn	00 38 36.3 +0.5
H20K	baz=159				S	00 40 20.6 -3.4
I17K	Unalakleet	9.67	326	P	Pn	00 38 35.8 -0.4
I17K	baz=136				S	00 40 21.4 -3.3
DIB	Dawson Inlet,	9.73	103	Pn	Pn	00 38 36.2 -0.9
R33M	Jennings River	9.74	65	P	Pn	00 38 38.5 +1.1
R33M	Jennings River	9.74	65	P	Pn	00 38 38.4 +1.1
R33M	baz=259,SNR=28				S	00 40 22.3 -4.4
I27K	Kandik River	9.79	17	P	Pn	00 38 39.1 +1.2
I27K	baz=203				S	00 40 26.8 -1.0
I27K	baz=203				S	00 40 26.8 -1.0
H19K	Roundabout Mou	9.94	340	P	Pn	00 38 39.3 -0.7
H19K	Roundabout Mou	9.94	340	P	Pn	00 38 40.3 +0.4
IMAR	Indian Mountai	9.94	347	Pn	Pn	00 38 39.2 -0.8
I28M	Miner Creek	9.95	21	P	Pn	00 38 41.6 +1.5
I28M	baz=208				S	00 40 29.9 -1.8
J14K	Nanvaranak Lak	9.96	316	P	Pn	00 38 39.8 -0.4
T35M	Bob Quinn	9.99	79	Pn	Pn	00 38 40.6 -0.2

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T35M	Bob Quinn	9.99	79	P	Pn	00 38 41.5 +0.8
K13K	Kusilvak Mount	10.00	310	P	Pn	00 38 41.1 +0.3
K13K	baz=117				S	00 40 29.3 -3.6
H18K	Honhosa River	10.02	335	P	Pn	00 38 40.5 -0.6
H18K	baz=147				S	00 38 31.9 -1.5
J30M	Hart River	10.10	31	P	Pn	00 40 43.9 +1.6
J30M	baz=221,SNR=34				S	00 40 32.0 -3.6
DLBC	Dease Lake	10.11	71	Pn	Pn	00 38 43.5 +1.1
DLBC	comp=N,3.3nm,0.3s, baz=274,slow=8.3,SNR=72				S	00 40 34.8 -0.9
DLBC	comp=N,2.2nm,0.3s, baz=220,slow=21,SNR=4.1				LR	00 42 06.8
DLBC	comp=N,648nm,20.6s, baz=278,slow=34					
DLBC	comp=N,8.7nm,0.3s					
DLBC	Dease Lake	10.11	71	P	Pn	00 38 43.8 +1.4
DLBC	baz=266,SNR=9.9				S	00 40 34.6 -1.0
M11K	Mekoryuk	10.15	300	P	Pn	00 38 42.5 -0.4
H17K	Granite Mounta	10.23	331	P	Pn	00 38 42.8 -1.2
H17K	baz=142,SNR=8.3				S	00 40 32.0 -6.6
H17K	baz=142				S	00 38 44.5 +0.2
U35K	Hyder	10.26	85	P	Pn	00 38 44.4 +0.2
U35K	Hyder	10.26	85	P	Pn	00 38 44.4 +0.2
LVA	Lava Point	10.31	265	Pn	Pn	00 38 42.1 -3.0
G24K	Hadweznic Riv	10.34	2	P	Pn	00 38 46.1 +0.7
G24K	Hadweznic Riv	10.34	2	P	Pn	00 38 46.1 +0.7
G24K	baz=183				S	00 40 38.3 -2.8
G23K	Bananza Creek	10.37	356	P	Pn	00 38 46.0 +0.1
G23K	Bananza Creek	10.37	356	P	Pn	00 38 46.4 +0.5
G23K	baz=175,SNR=39				S	00 40 35.9 -6.0
H27K	Stenoat Mount	10.38	16	P	Pn	00 38 47.2 +1.1
G21K	Allakaket	10.43	349	P	Pn	00 38 47.0 +0.4
G21K	Elim				S	00 40 37.7 -5.6
G25K	Bearman Lake	10.45	5	P	Pn	00 38 48.0 +1.1
I30M	Mount Dempster	10.59	29	P	Pn	00 38 51.6 +2.7
G19K	Purcell Mounta	10.61	340	P	Pn	00 38 49.7 +0.6
G22K	Bettles	10.65	353	P	Pn	00 38 50.2 +0.5
H16K	Tagawik	10.68	326	P	Pn	00 38 49.7 -0.4
H16K	baz=135,SNR=8.6				S	00 40 47.3 -2.2
G18K	Tagawik	10.71	337	P	Pn	00 38 50.4 -0.1
G18K	baz=148				S	00 40 49.0 -1.3
G26K	Porcupine Rive	10.80	10	P	Pn	00 38 52.6 +0.9
G17K	Kiwalik Mounta	10.87	332	P	Pn	00 38 52.7 0.0
G17K	Elim				S	00 40 51.6 -2.5
COLD	Coldfoot	10.89	356	P	Pn	00 38 54.1 +1.1
COLD	baz=175				S	00 40 50.7 -4.0
G27K	Doyon Strip	10.91	14	Pn	Pn	00 38 54.7 +1.5
G27K	Doyon Strip	10.91	14	P	Pn	00 38 54.5 +1.3
H29M	Whitestone	10.94	22	P	Pn	00 38 54.2 +0.6
WTLY	Watson Lake, Y	10.95	62	P	Pn	00 38 55.8 +1.9
WTLY	Watson Lake, Y	10.95	62	P	Pn	00 38 55.1 +1.2
WTLY	baz=258,SNR=8.8				S	00 40 56.1 -0.3
F21K	Alatna River	11.11	350	P	Pn	00 38 56.8 +0.8
F21K	baz=166,SNR=12				S	00 40 56.3 -3.8
F24K	Squaw Lake	11.15	1	P	Pn	00 38 57.7 +1.1
F24K	baz=182				S	00 40 58.2 -3.0
BMAR	Burnt Mountain	11.20	8	Pn	Pn	00 38 57.6 +0.4
F20K	Avaaraat Lake	11.22	345	Pn	Pn	00 38 57.8 +0.4
F20K	Avaaraat Lake	11.22	345	P	Pn	00 38 58.3 +0.9
F20K	baz=159,SNR=11				S	00 40 56.6 -6.0
G16K	Koyuk River	11.26	329	P	Pn	00 38 57.5 -0.4
G16K	baz=137				S	00 41 02.8 -0.8
F22K	John River	11.28	353	P	Pn	00 38 59.1 +0.8
F22K	baz=170				S	00 41 00.8 -3.3
F25K	Christian Rive	11.30	5	P	Pn	00 38 59.2 +0.6
F19K	Shalercuk Mo	11.35	341	Pn	Pn	00 38 58.8 -0.4
F19K	Shalercuk Mo	11.35	341	P	Pn	00 38 59.7 +0.4
F19K	baz=153				S	00 41 02.2 -3.7
EPYK	Eagle Plains	11.42	24	P	Pn	00 39 01.4 +1.1
G15K	Niuuk	11.49	325	P	Pn	00 39 01.3 +0.1
F26K	Sheenjik River	11.49	8	P	Pn	00 39 02.2 +0.9
F18K	Selawik	11.53	337	P	Pn	00 39 02.6 +1.0
H31M	Peel River	11.58	30	P	Pn	00 39 04.7 +2.3
G29M	Pine Creek	11.61	21	P	Pn	00 39 04.2 +1.4

Table listing station identifiers (e.g., KBO, KSBX), frequencies, and various parameters like I/Amb, P, and numerical values.

Table listing station identifiers (e.g., H1S1, H1S2), frequencies, and various parameters like I/Amb, P, and numerical values.

Table listing station identifiers (e.g., MDP, BATI), frequencies, and various parameters like I/Amb, P, and numerical values, including error ellipses.

30d 1h

Table of station data for the 30-day 1-hour period, including call signs like KK31, KKAR, and parameters such as frequency, power, and SNR.

2018 DEC

Table of station data for the month of December 2018, including call signs like SONM, ULN, and parameters such as frequency, power, and SNR.

1976

Table of station data for the year 1976, including call signs like WRA, ASAR, and parameters such as frequency, power, and SNR.

Table with columns: TPNV, PNTR, ISA, SDH, NSP, GWY, GUY, GWY, CPY, AMDNV, RUBY, MCR, SHOC, DONR, PEAR, AFDM, SAO, GSC, GSC, BSMM, SHPR. Includes station names, coordinates, and times.

IDC 30 01:44:42.6±10.0,57.16S;91.06E, h0km Error ellipse: s-maj=27.6km s-min=10.7km az=169.0, South Indian Ocean

Table with columns: Code, Station Name, Δ° AZ, Phase ID, Time, Res. Includes stations like H04S1, H04S2, H04S3, H01W1, H01W2, H01W3, H08S2, H08S1, H08S3.

AEIC 30 01:48:07.8±1.6, 61.30N;0.01±150.12W;0.04, h37km,4km, Error ellipse: s-maj=3.3km s-min=1.3km az=59.0

NEIC 30 01:48:07.3±1.2, 61.33N;0.03±150.05W;0.05, h46km,1km, ML2.8/64, ML2.5(AEIC), Error ellipse: s-maj=3.9km s-min=3.4km az=145.0, Southern Alaska

Large table with columns: Code, Station Name, Δ° AZ, Phase ID, Time, Res. Includes stations like FIS, RC01, SUA, M22K, PMR, GHO, KNK, SKLM, O22K, STLK, SML, PWL, SKT, SEW, SCM, GLI, M20K, BRLK, FID, PPLA, CNFM, HIN, KLU, M24K, ILSW, N19K, P19K.

Table with columns: L19K, N25K, N18K, O18K, Q19K. Includes station names, coordinates, and times.

IDC 30 02:39:13.3±0.9,25.62N;125.04E, h0km, mb3.6/9, mbtmp3.6/10, ML2.7/1, Error ellipse: s-maj=26.5km s-min=19.3km az=59.0

JMA 30 02:39:13.7±0.1, 24.7N;0.6±125.4E;0.6, h45km, MV3.5/12, NEAR MIYAKOJIMA ISLAND

JMA Felt J1 at NEAR MIYAKOJIMA ISLAND. ISC 30 02:39:14.2±1.0, 24.8N;0.1±125.36E;0.07, h41km±5km, n20, 0.94/26, mb3.5/9, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Δ° AZ, Phase ID, Time, Res. Includes stations like JOGS, JM2J, JIKM, JIRB, JIRB, JTJ, JISG, JIJ, JKRS, YOW, JOW, MKAR, ZALV, KURBB, WRA, ASAR, ILAR, FINES, AKASG, NOA.

IDC 30 02:45:56.0±0.7, 54.69N; 164.04E, h0km, mb3.9/22, mbtmp4.0/25, ML4.3/2, MS3.2/2, Error ellipse: s-maj=18.9km s-min=12.7km az=156.0

KRSC 30 02:45:56.4±1.3, 54.60N; 164.07E, h53km±28km, ML4.3 NEIC 30 02:45:57.5±1.1, 54.7N;0.2±164.1E;0.1, h10km, 1km, mb4.3/24, Error ellipse: s-maj=29.7km s-min=5.9km az=154.0

MOS 30 02:45:59.6±1.2, 54.65N; 164.03E, h46km, mb4.3/1, Error ellipse: s-maj=8.3km s-min=6.9km az=97.5

Table with columns: Code, Station Name, Δ° AZ, Phase ID, Time, Res. Includes stations like BKI, KBTR, KBTB, KBTR, KBG, KIRB, BZWR, KMNr, KIRR, KIRR, KIRY, KLY, KLY, KPT, KPT, KOZ, KOZ, SPN, SRDR, SRDR, SRRD, SRRD, NALY, ESO, ESO, KRX, KRX, KRX, KOK, KOK, DALK, DALK, DALK, DALK, PET, PET, PET, INSR, GNL, GNL, KRMR, KRMR, KRMR, PEAOB, PEAOB, PEAOB, PETK, PETK, MTRV, MTRV, GRL, GRL, APC, APC.

Table with columns: OSSR, OSSR, JKA, ASAJ. Includes station names, coordinates, and times.

Table with columns: ASAJ, ASAJ. Includes station names, coordinates, and times.

Table with columns: YAK, YAK. Includes station names, coordinates, and times.

Table with columns: C16K, N15K, M16K. Includes station names, coordinates, and times.

Table with columns: H17K, F19K, E19K. Includes station names, coordinates, and times.

Table with columns: B20K, B21K, B21K. Includes station names, coordinates, and times.

Table with columns: E22K, E22K. Includes station names, coordinates, and times.

Table with columns: B22K, I23K, I23K. Includes station names, coordinates, and times.

Table with columns: E23K, TOLK. Includes station names, coordinates, and times.

Table with columns: MJAR, MJAR. Includes station names, coordinates, and times.

Table with columns: E24K, E24K. Includes station names, coordinates, and times.

Table with columns: D24K, D24K. Includes station names, coordinates, and times.

Table with columns: F24K, IL31, ILAR. Includes station names, coordinates, and times.

Table with columns: ILAR. Includes station names, coordinates, and times.

Table with columns: D25K, D25K. Includes station names, coordinates, and times.

Table with columns: L29M, L29M. Includes station names, coordinates, and times.

Table with columns: H11N, H11N. Includes station names, coordinates, and times.

Table with columns: H11N, H11N. Includes station names, coordinates, and times.

Table with columns: SONM, SONM. Includes station names, coordinates, and times.

Table with columns: NRK, NRK. Includes station names, coordinates, and times.

Table with columns: YKA, YKA. Includes station names, coordinates, and times.

Table with columns: ZALV, ZALV. Includes station names, coordinates, and times.

Table with columns: KURK, KURK, KURBB. Includes station names, coordinates, and times.

Table with columns: MKAR, MKAR. Includes station names, coordinates, and times.

Table with columns: BVAR, BVAR. Includes station names, coordinates, and times.

Table with columns: NVAR, NVAR. Includes station names, coordinates, and times.

Table with columns: PDAR, PDAR. Includes station names, coordinates, and times.

Table with columns: KKAR, KKAR, KKAR. Includes station names, coordinates, and times.

Table with columns: ABKAR, ABKAR. Includes station names, coordinates, and times.

Table with columns: FINES, FINES. Includes station names, coordinates, and times.

Table with columns: CMAR, CMAR. Includes station names, coordinates, and times.

Table with columns: NB2, NB2. Includes station names, coordinates, and times.

Table with columns: NOA, NOA. Includes station names, coordinates, and times.

Table with columns: SCHO, SCHO. Includes station names, coordinates, and times.

Table with columns: HFS, HFS. Includes station names, coordinates, and times.

Table with columns: TXAR, TXAR. Includes station names, coordinates, and times.

Table with columns: AKASG, AKASG. Includes station names, coordinates, and times.

Table with columns: BRTR, BRTR. Includes station names, coordinates, and times.

Table with columns: WB0, WB0. Includes station names, coordinates, and times.

Table with columns: W2, W2, WRA. Includes station names, coordinates, and times.

Table with columns: WRA, WRA. Includes station names, coordinates, and times.

Table with columns: WRA, WRA. Includes station names, coordinates, and times.

Table with columns: ASAR, ASAR. Includes station names, coordinates, and times.

Table with columns: ESDC, ESDC. Includes station names, coordinates, and times.

Table with columns: GSPA, GSPA. Includes station names, coordinates, and times.

NEIC 30 02:51:32.5±0.5, 21.47N;0.03±146.0E;0.2, h10km, 1km, mb4.5/12, Error ellipse: s-maj=27.8km s-min=5.7km az=93.0

IDC 30 02:51:38.1±3.4, 21.57N; 145.87E, h65km±29km, mb3.5/16, mbtmp3.9/18, ML3.5/2, MS3.3/10, Error ellipse: s-maj=23.7km s-min=15.1km az=82.0

ISC 30 02:51:34.1±0.7, 21.5N;0.1±145.9E;0.2, h29km, n42, 1.933/34, mb4.0/20, MS3.3/9, Mariana Islands region

Table with columns: Code, Station Name, Δ° AZ, Phase ID, Time, Res. Includes stations like JCJ, GUM, JGF, W2, WRA, ASAR, ESDC, GSPA, JCJ, GUM, JGF, W2, WRA, ASAR, ESDC, GSPA.

30d 3h

2018 DEC

1978

Table with columns: JNU, Nakatsue, 17.64 314 P, P, 02 55 40.0+1.6, etc. Includes stations like H11S3 WAKE ISLAND, H11S1 WAKE ISLAND, H11S2 WAKE ISLAND, etc.

Table with columns: IESK, Austmannsbunga, 1.02 106 S, Sg, 02 56 49.3 -1.4, etc. Includes stations like IESK, IAUUS, IVAT, etc.

Table with columns: BRTR, Keskin Array B, 39.93 101 P, P, 03 03 57.3 +2.3, etc. Includes stations like G31M, Satah River, D25K, etc.

ROM 30 02:52:54.0-0.0, 37°37'N x 15°10'E, h1km, ML2.3, Sicily

ROM 30 02:53:20.0-0.0, 37°36'N x 15°09'E, h1km, ML2.2, Sicily

ISC 30 02:56:20.0-0.0, 63°78'N x 21°67'W, h0km, mb3.7/12, mbmp3.7/14, ML1.6/1, MS3.5/37, Error ellipse: s-maj=24.3km s-min=14.9km az=26.0

ISC 30 02:56:20.1-2.1, 64°16'N x 06°21'0W, 0.3, h10km, 2km, mb4.3/29, Error ellipse: s-maj=23.8km s-min=7.5km az=251.0

ISC 30 02:56:20.9-0.4, 63°37'N x 02°21'27'W, 0.02, h10km, n143, +160/145, mb4.1/41, MS3.4/34, 2D Iceland region

Table with columns: CKRC, Cesky Krumlov, 24.41 111 eP, P, 03 01 40.6 +1.4, etc. Includes stations like SQTa, KRLC, WATA, etc.

SOF 30 03:05:26.4, 41°10'N x 02°24'41'E, 0.1, h10km, 1km, MD3.0/7

ISK 30 03:05:27.4, 41°12'N x 24°39'E, h4km, ML2.8/26

BE0 30 03:05:27.1, 0.8, 41°04'N x 24°47'E, h6km, 3km, ML2.8/8

THE 30 03:05:28.1, 41°12'N x 24°39'E, h9km, ML2.4/15, Error ellipse: s-maj=0.9km s-min=0.4km az=182.0

ATH 30 03:05:28.2, 41°09'N x 24°39'E, h12km, 3km, ML2.4/6, Manual Solution by A.Moschou First location: 2018/12/30 03:05:52, This location: 2019/02/01 03:32:20 ML

Amplitudes are expressed in micrometers. All distances are expressed in degrees Latitude uncertainty: 3 km; Longitude uncertainty: 2 km

SKO 30 03:05:29.9, 41°19'N x 24°37'E, h2km, ML2.6

AFAD 30 03:05:30.0, 40°57'N x 24°59'E, h34km, 1km, ML2.7

ISC 30 05:28.1-0.8, 41°11'N x 02°24'04'E, 0.01, h10km, 6km, n103, +190/151, 17C-2D, Greece-Bulgaria border region

Table with columns: Code, Station Name, A°, AZ°, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KAVA, KVLA, KOKK, etc.

Table with columns: Call Sign, Name, Frequency, Band, Mode, Power, etc. Includes stations like Kununurra, Bungbulung, Marble Bar, Darwin Rock St, etc.

Table with columns: Call Sign, Name, Frequency, Band, Mode, Power, etc. Includes stations like Urewera, Heihei, Naryn, Kabul, Makanchi Array, etc.

Table with columns: Code, Station Name, Frequency, Band, Mode, Power, etc. Includes stations like Barichara, Barrancabermej, Pamplona, La Rusia, etc.

30d 5h

Table with columns: ID, Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like IPOC Station P, AC01 Pan de Azucar, CYA Choya, PB08 IPOC Station P, etc.

2018 DEC

Table with columns: ID, Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like Dimbokro, ANMO Albuquerque, ECSD EROS Data Cent, etc.

1982

Table with columns: ID, Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like BHK Bhakra, SMLA Simla, NDI New Delhi, etc.

30d 5h

SPB	Sao Paulo	36.84 324	P	P	05 39 33.5	-0.2
VAO	Vailinhos	37.24 325	I Amb	I Amb	05 39 35.6	-1.6
CPUP	Villa Florida	38.10 309	I Amb	I Amb	05 39 45.0	+0.6
CPUP	Villa Florida	38.10 309	P	P	05 39 44.9	+0.5
MT09	Talageta	38.62 287	P	P	05 39 47.4	-1.5
MT01	Popeia	38.69 286	P	P	05 39 49.1	-0.3
MAW	Mawson	38.96 142	P	P	05 39 51.1	-0.1
MT02	Curacav	39.10 287	P	P	05 39 51.1	-1.6
MT02	Curacav	39.10 287	I Amb	I Amb	05 40 08.1	
ZON	Zonda	39.16 291	P	P	05 39 52.2	-1.1
SUR	Sutherland	39.97 327	P	P	05 39 58.3	+0.5
SUR	Sutherland	39.97 327	I Amb	I Amb	05 40 24.9	
SUR	Sutherland	39.97 327	LR	LR	05 53 27.6	
VA06	Catapilco	39.72 287	P	P	05 39 58.0	+0.1
VA06	Catapilco	39.72 287	I Amb	I Amb	05 40 09.7	
AMBA	Amami (Braz)	40.16 315	eP	P	05 40 01.1	-0.5
CO01	Juntas del Tor	41.14 291	P	P	05 40 10.8	+0.8
RPRD	Ribas do Rio P	41.89 318	eP	P	05 40 15.8	-0.1
AC05	El Transito	42.15 292	P	P	05 40 17.2	-1.0
AC05	El Transito	42.15 292	I Amb	I Amb	05 40 32.1	
MURT	Porto Murtinho	42.35 312	eP	P	05 40 19.3	-0.3
AQDB	Aquidauana	42.65 315	eP	P	05 40 22.4	+0.3
AQDB	Aquidauana	42.65 315	eP	P	05 40 21.9	-0.2
AC04	Llanos de Chal	43.07 292	P	P	05 40 25.5	0.0
AC04	Llanos de Chal	43.07 292	I Amb	I Amb	05 40 34.1	
BDQN	Bodoquena, MS	43.09 314	eP	P	05 40 24.8	-0.8
BDFB	Brasilia	44.49 328	P	P	05 40 37.6	+0.5
BDFB	Brasilia	44.49 328	P	P	05 40 37.6	+0.5
GO02	Mina Guacano	44.82 296	P	P	05 40 39.9	0.0
BOSA	Bosho	44.99 73	P	P	05 40 40.0	-1.0
BOSA	Bosho	44.99 73	P	P	05 40 40.7	-0.3
ARAG	Araguaiana, MT	45.63 323	eP	P	05 40 47.1	+1.1
PB14	IPOC Station P	45.67 295	P	P	05 40 46.1	-0.5
PB14	IPOC Station P	45.67 295	I Amb	I Amb	05 41 10.3	
AF01	San Pedro de A	45.98 299	P	P	05 40 49.8	+0.7
VNDA	Vanda	46.02 182	P	P	05 40 49.8	+1.4
VNDA	Vanda	46.02 182	P	P	05 40 49.9	+1.4
PB15	IPOC Station P	46.40 297	P	P	05 40 52.4	+0.2
SBLV	Santo Antonio	46.82 318	eP	P	05 40 55.8	+0.5
PB09	IPOC Station P	47.48 299	P	P	05 41 00.4	-0.2
LBTB	Labatse	48.07 71	I Amb	I Amb	05 41 04.1	-1.0
LBTB	Labatse	48.07 71	I Amb	I Amb	05 41 20.4	
PB01	IPOC Station P	48.24 299	P	P	05 41 06.3	-0.1
PTLB	Pontes e Lacer	48.56 314	P	P	05 41 08.4	-0.4
PTLB	Pontes e Lacer	48.56 314	P	P	05 41 08.6	-0.2
PB08	IPOC Station P	48.85 300	I Amb	I Amb	05 41 11.3	-0.1
PB08	IPOC Station P	48.85 300	I Amb	I Amb	05 41 26.8	
SNDB	Serra Nova Dou	48.95 325	eP	P	05 41 12.4	+0.6
GO01	Chumizma	49.27 300	P	P	05 41 15.9	+1.1
VILB	Vilena	51.24 314	I Amb	I Amb	05 41 29.6	+0.4
VILB	Vilena	51.24 314	I Amb	I Amb	05 41 43.5	
LPAZ	La Paz	51.69 303	P	P	05 41 33.6	+0.3
LPAZ	La Paz	51.69 303	P	P	05 41 34.7	+1.5
LPAZ	La Paz	51.69 303	eP	P	05 41 33.2	-0.1
ETMB	Extrema	56.56 309	P	P	05 42 07.8	-0.2
ETMB	Extrema	56.56 309	I Amb	I Amb	05 42 09.3	
ETMB	Extrema	56.56 309	eP	P	05 42 08.0	0.0
BOAV	Boa Vista	56.45 320	P	P	05 43 09.3	+0.8
BOAV	Boa Vista	56.45 320	I Amb	I Amb	05 43 14.3	
OTAV	Otavao	70.98 302	P	P	05 43 43.6	+0.1
OTAV	Otavao	70.98 302	I Amb	I Amb	05 44 03.4	
TORD	Tordi Ar. Bea	73.02 27	P	P	05 43 54.5	-0.6
TORD	Tordi Ar. Bea	73.02 27	P	P	05 43 57.6	+1.0
ROSC	El Rosal	73.18 308	P	P	05 43 57.6	+1.0
RUSC	La Rusia	73.59 310	P	P	05 43 59.3	+0.2
BAUV	Bauv	74.31 316	P	P	05 44 02.8	+0.1
SDV	Santo Domingo	75.28 313	P	P	05 44 08.9	+0.4
ASAR	Alice Springs	98.05 161	P	P	05 46 01.0	-0.8
NVAR	Mina Array Bea	122.72 291	PKP	PKiKP	05 51 21.4	+0.6
CMAR	Chiang Mai Arr	123.75 109	PKP	PKiKP	05 51 23.4	+0.4
FINES	FINESS Array B	124.37 27	PKP	PKPpdf	05 51 21.9	-0.7
BVAR	Barro Colorado	134.11 57	PKP	PKPpdf	05 51 41.9	+0.5
KURBB	Kurchatov Arra	136.49 64	PKP	PKPpdf	05 51 45.9	0.0
YKA	Yellowknife Ar	137.41 317	PKP	PKPpdf	05 51 47.8	+0.5
ZALV	Zalesovo Bean	141.57 63	PKP	PKiKP	05 51 56.9	-1.0
NRIK	Norilsk	148.73 39	PKP	PKPbc	05 52 10.9	+0.1
SONM	Sonjinguo Array	149.59 86	PKP	PKPbc	05 52 13.2	-0.6
ILAR	Eielson Array	151.40 310	PKP	PKiKP	05 52 18.1	+0.2
ILAR	Eielson Array	151.40 310	PKP	PKiKP	05 52 18.1	+0.2

2018 DEC

LALI	Alcalda de L	0.73 79	eP	Pb	05 33 37.6	+0.3
LALI	Alcalda de L	0.73 79	iP	Sb	05 33 37.7	+0.3
LALI	Alcalda de L	0.73 79	iS	Pg	05 33 44.1	+0.6
CEDA	San Andres	0.79 55	iP	I AML	05 33 51.0	
CEDA	San Andres	0.79 55	iP	I AML	05 33 38.7	-0.1
CEDA	San Andres	0.79 55	iP	I AML	05 33 39.7	
CEDA	San Andres	0.79 55	iP	I AML	05 33 50.9	+0.2
UNIC	Universidad Ca	0.80 38	iP	Sn	05 33 39.5	-0.2
UNIC	Universidad Ca	0.80 38	iP	Sn	05 33 51.0	
UNIC	Universidad Ca	0.80 38	iP	Sn	05 33 39.7	
PMON	Piamonte	0.81 63	eP	Pg	05 33 51.3	+0.2
PMON	Piamonte	0.81 63	eP	Pg	05 33 39.4	+0.2
PMON	Piamonte	0.81 63	eP	Pg	05 33 40.8	+0.5
PMON	Piamonte	0.81 63	eP	Pg	05 33 58.8	
UEES	Universidad Ev	0.88 65	eP	Pg	05 33 40.4	-0.1
UEES	Universidad Ev	0.88 65	eP	Pg	05 33 40.5	0.0
UEES	Universidad Ev	0.88 65	eP	Pg	05 33 52.4	+0.3
UEES	Universidad Ev	0.88 65	eP	Pg	05 33 59.9	
PANCS	Alcalda de	0.89 73	iP	Pb	05 33 39.7	-0.5
PANCS	Alcalda de	0.89 73	iP	Pb	05 33 42.5	
PANCS	Alcalda de	0.89 73	iP	Pb	05 33 39.7	-0.5
UTEC	Universidad Te	0.90 67	iS	I AML	05 33 37.3	
UTEC	Universidad Te	0.90 67	iS	I AML	05 33 39.4	-1.0
UTEC	Universidad Te	0.90 67	iS	I AML	05 33 53.4	-0.2
LOMA	Loma Larga	0.91 71	eP	Pb	05 33 40.6	0.0
LOMA	Loma Larga	0.91 71	eP	Pb	05 33 40.3	-0.3
LOMA	Loma Larga	0.91 71	eP	Pb	05 33 53.5	-0.4
LOMA	Loma Larga	0.91 71	eP	Pb	05 33 59.3	
UDBS	Universidad Do	0.95 67	iP	Sb	05 33 41.0	-0.2
UDBS	Universidad Do	0.95 67	iP	Sb	05 33 54.5	0.0
UDBS	Universidad Do	0.95 67	iP	Sb	05 34 00.5	
LFRS	Las Pavas	1.01 74	eP	Pn	05 33 42.7	+0.2
PAVA	Las Pavas	1.15 71	eP	Pb	05 33 45.1	+0.4
PAVA	Las Pavas	1.15 71	eP	Pb	05 33 44.9	+0.3
PAVA	Las Pavas	1.15 71	eP	Pb	05 34 00.0	+0.3
PAVA	Las Pavas	1.15 71	eP	Pb	05 34 06.5	
COEG	Centro de Oper	1.18 77	iP	Pn	05 33 45.2	+0.4
COEG	Centro de Oper	1.18 77	iP	Pn	05 33 46.3	
COEG	Centro de Oper	1.18 77	iP	Pn	05 34 00.6	+0.3
COEG	Centro de Oper	1.18 77	iP	Pn	05 33 45.6	-0.3
COEG	Centro de Oper	1.18 77	iP	Pn	05 33 46.7	
MTOS	Montecristo	1.25 33	eP	Pn	05 33 46.3	
MTOS	Montecristo	1.25 33	eP	Pn	05 33 46.3	
MTOS	Montecristo	1.25 33	eP	Pn	05 33 46.3	
TECO	Alcaldia de Te	1.25 81	iS	Sg	05 34 03.1	-0.8
TECO	Alcaldia de Te	1.25 81	iS	Sg	05 34 02.0	-0.2
TECO	Alcaldia de Te	1.25 81	iS	Sg	05 34 07.0	
NBG	Las Nubes	1.27 347	eP	Pb	05 33 47.3	+0.6
UESV	Universidad de	1.27 77	iP	Sn	05 34 03.2	+0.4
UESV	Universidad de	1.27 77	iP	Sn	05 34 06.0	0.0
UESV	Universidad de	1.27 77	iP	Sn	05 34 03.7	-0.8
UESV	Universidad de	1.27 77	iP	Sn	05 34 08.1	
FUEGO	Fuego 3	1.33 325	eP	Pn	05 33 47.6	+0.5
FUEGO	Fuego 3	1.33 325	eP	Pn	05 34 02.2	-1.9
FUEGO	Fuego 3	1.33 325	eP	Pn	05 33 47.2	+0.2
FUEGO	Fuego 3	1.33 325	eP	Pn	05 34 06.0	-0.8
FUEGO	Fuego 3	1.33 325	eP	Pn	05 34 11.0	
ESQI	Esquipulas	1.39 30	iP	Pn	05 33 47.9	+0.1
ESQI	Esquipulas	1.39 30	iP	Pn	05 33 47.9	+0.1
ESQI	Esquipulas	1.39 30	iP	Pn	05 33 49.4	
POSS	Presencia de Se	1.48 79	iP	Pn	05 33 48.7	-0.2
POSS	Presencia de Se	1.48 79	iP	Pn	05 34 14.5	
POSS	Presencia de Se	1.48 79	iP	Pn	05 34 14.5	
PACA	Pacayal	1.69 86	iP	Pn	05 33 53.1	+1.1
PACA	Pacayal	1.69 86	iP	Pn	05 34 13.5	+0.4
PACA	Pacayal	1.69 86	iP	Pn	05 34 20.7	
STG3	Santiago 3	2.00 313	eP	Pn	05 33 57.0	+0.7
STG3	Santiago 3	2.00 313	eP	Pn	05 34 19.1	-1.8
LCND	La Caada	2.11 91	iP	Pn	05 33 57.4	-0.2
LCND	La Caada	2.11 91	iP	Pn	05 34 23.6	+0.3
LCND	La Caada	2.11 91	iP	Pn	05 34 30.0	

IDC 30 05:42:29.8, 2.8, 1.0, 32S; 78°50'W, h70km, 17km, mb3.4/4,
 m1mp3.77, MS2.9/2, Error ellipse: s-maj=48.5km
 s-min=0.8km az=67.0
 ISC 30 05:42:25.7, 1.6, 10.5S; 01:78°9'W, 0.2, h40km, n14,
 c1859, mb3.6/4, Near coast of Peru

Code	Station Name	Δ°	AZ $^\circ$	Phase ID	Time Res	ISC	h m s	ISC
NNA	Nana	2.50	127	Op	05 43 05.6	+1.6		
NNA	Nana	25.0m, 0.3s, baz=326, slow=14, SNR=40						
ATAH	Atahualpa	3.38	8	P	05 43 34.1	+0.8		
ATAH	Atahualpa	50.0m, 0.3s, baz=184, slow=13, SNR=108						
ATAH	Atahualpa	104.0m, 0.5s, baz=30, slow=12, SNR=4.1						
LPAZ	La Paz	11.95	120	S	05 45 55.0	-0.5		
LPAZ	La Paz							

30d 6h

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like ATD Arta Tunnel, SOHO SOHO, ALNE Al Ain, etc.

2018 DEC

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like BRSL Borolday, SHL Shilling, DZA Taraz, etc.

1986

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like CMAR Chiang Mai Arr, CMAR Chiang Mai, RPSI Rapsy Prapat, etc.

1987

Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like PLOA, PLOA3, MLR, etc.

2018 DEC

Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like KWP, KWP, KWP, etc.

30d 6h

Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like ZAK, ZAK, ZAK, etc.

30d 6h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like HIA, PBAR, PBRG, PMRV, DAV, PESTR, PMTG, POLO, PCAS, BATI, PGAV, EKA, CN2, SOEI, JOW, KSRs, KSRs, NWAO, BNX, HEH, JNU, ZEA, FITZ, USRK, YAK, YAK, YAK, YAK, YAK, YAK, YAK, YAK, YAK, YAK, YAK, MAW, TIXI, MJAR, DAG, WRA, NOR, ASAR, ASAR, ASAJ, MA2, SEY, SEY, SEY, TROLL, STKA, STKA, BILL, SNA, VNA, CTA, VNA, RCBR, QSPA, ILAR, YKA, YKA, PDAR, NVAR, TXAR.

2018 DEC

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like YKA, KURBB, MKAR, TXAR, WRA, ASAR, STKA, H03N2, H03N1, H03N3, IDC, NEIC, ISC, KIWB, ADK, GSTR, ATKA, UNV, S12K, O14K, J14K, O16K, M16K, L16K, N17K, M17K, M17K, J17K, G16K, L18K, N19K, KDKA, L19K, H18K, J19K, M20K, G18K, CNPM, C16K, SPU, BRLL, STLK, J20K, E18K, SKT, SKL, SLKM, SUA, F19K, CAST, RC01, C18K, KTH, IMAR, FMR, KNK, SML, SCM, NEA2, M24K, B20K, ILAR, B21K, D23K, J26L, L27K, BCAR, EGAK, M29M, M29M, HYT, K29M, I30M, I30M, JKA, FARO, A36M, YKA, NVAR, PDAR, TXAR.

1988

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC, WRA, ASAR, STKA, TRN, PSMG, PSKH, PSKH, PSQC, PSQC, TRN, GRFF, GRGR, GRGR, GRW, GRHS, GRHS, GRSS, GRSS, GRIC, TBH, GCMP, GCMP, TOSP, SVOC, SVOC, SVT, SVT, SVV, PCRV, PCRV, MCLT, MCLT, SLAC, SLAC, SLBI, SLBI, BBGH, BBGH, BIM, BIM, TACV, TACV, ANB, ANB, BAUV, BAUV, MAPV, MAPV, SOCV, SOCV, IDC, PETK, ILAR, TXAR, IDC, PETK, HNR, HNR, HNR, PMG, WRA, ASAR, FITZ, CMAR, SONM, MAW, ILAR, RPN, MKAR, IDC, SFJD, FINES, AKASA, YKA.

30d 6h

KIRV	Kirow	41.79 51	LR	LR	07 12 16.3
INK	Inuvik	41.90 327	LR	LR	07 13 23.0
INK	Inuvik	41.90 327	P	P	06 56 18.3 +0.6
PBMO	Poplar Bluff	42.03 266	Iamb	Iamb	06 56 26.2
F31M	Tsigientchic	42.47 326	P	P	06 56 22.4 0.0
D28M	Stokes Point	42.78 330	P	P	06 56 24.7 -0.1
G31M	Satah River	42.96 325	Iamb	Iamb	06 56 43.9
G31M	Satah River	42.96 325	P	P	06 56 26.8 +0.5
F30M	Barrier River	43.00 327	P	P	06 56 27.1 +0.4
E29M	Blow River	43.13 328	P	P	06 56 27.8 +0.1
D27M	Malcolm River	43.44 330	P	P	06 56 30.7 +0.4
E28M	Babbage River	43.46 329	P	P	06 56 31.0 +0.6
KOTAN	Kotaneleele Air	43.49 313	P	P	06 56 30.9 +0.2
G30M	ltoh Zraii Niji	43.53 326	P	P	06 56 31.4 +0.4
H31M	Peel River	43.68 324	P	P	06 56 31.9 -0.3
KSU1	Kansas State U	43.73 273	Iamb	Iamb	06 56 39.0
C27K	Jago River	43.91 332	P	P	06 56 34.5 +0.5
C26K	Camden Bay	44.03 332	P	P	06 56 35.5 +0.6
EPYK	Eagle Plains	44.07 326	P	P	06 56 34.2 -1.1
G29M	Pine Creek	44.12 327	P	P	06 56 36.3 +0.6
WHAR	Woolly Hollow	44.15 266	Iamb	Iamb	06 56 42.6
F28M	Old Crow	44.20 328	P	P	06 56 36.4 0.0
E27K	Coleen River	44.31 329	P	P	06 56 37.6 +0.3
HHAR	Hobbs	44.31 268	Iamb	Iamb	06 56 43.8
BBS	Babate	44.38 155	LR	LR	07 11 34.9
EGMT	Eagleton	44.61 292	P	P	06 56 41.4 +1.4
EGMT	Eagleton	44.61 292	Iamb	Iamb	06 56 47.4
IDI	Anoyia	44.63 93	LR	LR	07 17 04.5
H29M	Whitestone	44.68 326	P	P	06 56 40.8 +0.6
I30M	Mount Dempster	44.71 324	Iamb	Iamb	06 56 41.9 +1.4
I30M	Mount Dempster	44.71 324	P	P	06 56 47.4
TOAD	Toad River Com	44.76 312	P	P	06 56 42.7 +1.3
BELG	Belogornoye	44.78 59	LR	LR	07 14 03.2
D25K	Kavik River	44.81 331	P	P	06 56 42.4 +1.2
D25K	Kavik River	44.81 331	P	P	06 56 41.6 +0.4
X40A	Basin Creek Fa	45.04 266	Iamb	Iamb	06 56 49.5
C24K	Franklin Bluff	45.11 333	P	P	06 56 44.9 +1.4
C24K	Franklin Bluff	45.11 333	P	P	06 56 43.6 +0.1
J30M	Hart River	45.12 323	P	P	06 56 44.7 +0.8
G27K	Doyon Strip	45.26 328	Iamb	Iamb	06 56 52.5
G27K	Doyon Strip	45.26 328	P	P	06 56 44.8 0.0
F26K	Sheenjek River	45.35 330	P	P	06 56 45.2 -0.4
WTLV	Watson Lake, Y	45.36 315	P	P	06 56 46.1 +0.5
E25K	Arctic Village	45.44 331	P	P	06 56 47.0 +0.8
E25K	Arctic Village	45.44 331	P	P	06 56 47.3 +1.1
J25K	Ikilik River	45.49 334	Iamb	Iamb	06 57 06.8
C23K	Ikilik River	45.49 334	P	P	06 56 48.0 +1.5
D24K	Happy Valley	45.55 333	Iamb	Iamb	06 56 51.0
D24K	Happy Valley	45.55 333	P	P	06 56 48.0 +1.0
A22K	Sinclair Creek	45.60 337	P	P	06 56 48.3 +0.9
H27K	Steamboat Moun	45.62 327	P	P	06 56 48.9 +1.2
FARO	Faro, Yukon	45.65 320	P	P	06 56 49.3 +1.3
BMAR	Burnt Mountain	45.66 330	P	P	06 56 49.5 +1.5
I28M	Miner Creek	45.67 326	P	P	06 56 49.6 +1.4
I28M	Miner Creek	45.67 326	P	P	06 56 48.3 +0.1
A21K	Barrow	45.71 338	P	P	06 56 54.2 +1.0
B22K	Teshhekpu Lake	45.76 336	P	P	06 56 50.1 +1.5
G26K	Porcupine Rive	45.77 329	P	P	06 56 49.3 +0.5
F25K	Christian River	45.83 330	P	P	06 56 50.7 +1.3
Z41A	Richard Creek	45.95 265	Iamb	Iamb	06 57 00.9
K29M	Barlow Dome	46.00 323	P	P	06 56 51.6 +0.8
M31M	Drury Creek, Y	46.04 320	P	P	06 56 52.0 +1.0
I27K	Kandik River	46.08 327	P	P	06 56 52.3 +1.0
TOLK	Toolik Lake Re	46.11 333	Iamb	Iamb	06 56 56.3
TOLK	Toolik Lake Re	46.11 333	P	P	06 56 51.7 +0.3
D23K	Nanushuk River	46.14 333	Iamb	Iamb	06 57 06.0
D23K	Nanushuk River	46.14 333	P	P	06 56 53.2 +1.4
BR106	Keskin Array S	46.15 82	P	P	06 56 53.5 +1.2
BR105	Keskin Array S	46.16 82	P	P	06 56 52.8 +0.4
BR131	Keskin Array S	46.17 82	P	P	06 56 53.3 +0.8
BRTR	Keskin Array B	46.17 82	P	P	06 56 53.5 +1.0
BRTR	Keskin Array B	46.17 82	P	P	06 56 52.9 +0.4
BRTR			PcP	PcP	06 58 28.1 -0.1
BRTR			LR	LR	07 17 32.1
E24K	Your Creek	46.24 332	Iamb	Iamb	06 57 02.9
E24K	Your Creek	46.24 332	P	P	06 56 53.3 +0.7
N32M	Quiet Lake	46.27 318	P	P	06 56 54.0 +1.1
DAWY	Dawson	46.45 324	P	P	06 56 55.6 +1.4
F24K	Squaw Lake	46.49 331	Iamb	Iamb	06 57 09.0
F24K	Squaw Lake	46.49 331	P	P	06 56 55.5 +0.9
EGAK	Eagle	46.51 326	P	P	06 56 56.0 +1.3
EGAK	Eagle	46.51 326	P	P	06 56 55.1 +0.5
E23K	Chandalar	46.55 332	Iamb	Iamb	06 57 19.4
E23K	Chandalar	46.55 332	P	P	06 56 55.4 +0.4
G25K	Bearman Lake	46.55 330	P	P	06 56 55.4 +0.5
B21K	Ikkipkuk River	46.58 335	Iamb	Iamb	06 57 09.3
B21K	Ikkipkuk River	46.58 335	P	P	06 56 56.0 +0.9
M30M	Minto, Yukon	46.61 322	P	P	06 56 56.7 +1.1

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R33M	Jennings River	46.66 316	Iamb	Iamb	06 57 07.0
R33M	Jennings River	46.66 316	P	P	06 56 57.1 +1.1
D22K	Aiyikyak River	46.69 334	Iamb	Iamb	06 57 16.0
D22K	Aiyikyak River	46.69 334	P	P	06 56 57.8 +1.7
L29M	L29M	46.70 323	Iamb	Iamb	06 56 59.8
L29M	L29M	46.70 323	P	P	06 56 57.1 +0.9
I26K	Coal Creek Min	46.74 327	P	P	06 56 58.3 +1.9
I26K	Coal Creek Min	46.74 327	Iamb	Iamb	06 57 03.9
I26K	Coal Creek Min	46.74 327	P	P	06 56 58.0 +1.5
P33M	Teslin, Yukon	46.81 317	P	P	06 56 59.2 +2.0
B20K	Meade River	46.84 337	P	P	06 56 58.0 +0.9
BRIGG	Briggsdale	46.86 281	P	P	06 56 58.6 +0.7
BRIGG	Briggsdale	46.86 281	Iamb	Iamb	06 57 05.1
DLBC	Dease Lake	46.94 314	P	P	06 56 59.5 +1.3
ARTI	Arti	46.95 49	P	P	06 56 58.5 +0.3
ARTI	Arti	46.95 49	LR	LR	07 15 28.3
C21K	Kniefblade Rid	46.97 335	P	P	06 56 60.0 +1.7
G24K	Hadweencic Riv	46.98 330	Iamb	Iamb	06 57 07.0
G24K	Hadweencic Riv	46.98 330	P	P	06 56 59.7 +1.4
N31M	Bratun, Yuko	47.01 320	P	P	06 56 59.7 +1.1
E22K	Anaktuvuk Pass	47.04 333	Iamb	Iamb	06 57 12.5
E22K	Anaktuvuk Pass	47.04 333	P	P	06 57 00.3 +1.5
NRIK	Noril'sk	47.07 24	P	P	06 56 59.9 +0.9
NRIK	Noril'sk	47.07 24	Iamb	Iamb	06 57 01.1
NRIK	Noril'sk	47.07 24	P	P	06 56 59.9 +0.9
WHY	Whitehorse	47.26 319	P	P	06 57 01.9 +1.2
M29M	Somme Creek	47.27 322	P	P	06 57 01.5 +0.7
PRP	Porcupine Dome	47.29 328	P	P	06 57 01.5 +0.6
COLD	Coldfoot	47.31 332	P	P	06 57 02.1 +1.2
E21K	Kilik River	47.33 334	Iamb	Iamb	06 57 27.2
E21K	Kilik River	47.33 334	P	P	06 57 02.1 +1.0
J26L	Joseph Creek	47.44 326	P	P	06 57 02.7 +0.7
Q32M	Nakina River	47.45 316	P	P	06 57 03.3 +1.0
N30M	Aishikik Lake	47.48 321	P	P	06 57 03.3 +0.9
A19K	Wainwright	47.50 338	P	P	06 57 04.4 +2.1
N23A	Red Feather La	47.50 282	P	P	06 57 04.0 +1.0
P32M	Atlin	47.56 317	P	P	06 57 03.4 +0.4
O30N	Mendenhall	47.61 319	P	P	06 57 05.2 +1.9
O30N	Mendenhall	47.61 319	P	P	06 57 04.0 +0.7
G23K	Bananza Creek	47.65 331	P	P	06 57 04.6 +1.0
H24K	Woodor Dome	47.72 329	P	P	06 57 04.7 +0.6
S34M	Telegraph Cree	47.72 314	Iamb	Iamb	06 57 13.8
S34M	Telegraph Cree	47.72 314	P	P	06 57 04.9 +0.7
D20K	Etiyuk River	47.74 335	P	P	06 57 04.8 +0.6
G22K	Bettles	47.88 332	P	P	06 57 05.8 +0.5
J25K	Salcha River,	47.90 327	Iamb	Iamb	06 57 13.8
J25K	Salcha River,	47.90 327	P	P	06 57 06.3 +0.7
BCAR	Beaver Creek A	47.92 324	P	P	06 57 06.8 +1.1
L27K	Beaver Creek,	47.93 324	P	P	06 57 07.7 +1.9
SCRK	Sand Creek	47.95 326	P	P	06 57 07.0 +1.0
E20K	Nigu River	48.00 335	P	P	06 57 06.3 +0.1
T35M	Bob Quinn	48.01 313	P	P	06 57 06.5 0.0
HYT	Haines Junctio	48.07 320	P	P	06 57 06.8 -0.2
C19K	Lookout Ridge	48.08 337	P	P	06 57 06.5 -0.4
BVCY	Beaver Creek	48.08 323	P	P	06 57 06.6 -0.4
PDAR	Pinedale Arra	48.09 287	P	P	06 57 07.4 -0.2
PDAR	Pinedale Arra	48.09 287	LR	LR	07 16 25.0
YUK4	Talbot Arm	48.10 321	P	P	06 57 08.3 +1.0
NEW	Newport	48.11 297	LR	LR	07 16 26.6
POKR	Poker Plat Res	48.13 329	P	P	06 57 06.3 -1.0
F21K	Alatna River	48.15 333	Iamb	Iamb	06 57 17.5
F21K	Alatna River	48.15 333	P	P	06 57 06.2 -1.2
ILAR	Eielson Array	48.23 328	P	P	06 57 10.1 +2.0
ILAR	Eielson Array	48.23 328	PcP	PcP	06 58 34.6 -0.3
SKAG	Skagway	48.25 318	P	P	06 57 08.4 +0.2
D19K	Kuna River	48.25 336	P	P	06 57 08.2 +0.1
KBZ	Khabaz	48.26 71	P	P	06 57 08.7 +0.2
KBZ	Khabaz	48.26 71	LR	LR	07 19 24.5
YUK6	Outpost	48.29 321	P	P	06 57 08.9 +0.1
B18K	Kokokil River	48.34 338	P	P	06 57 09.3 +0.6
P30M	Million Dollar	48.37 319	P	P	06 57 10.1 +0.8
RIDG	Independent Ri	48.38 326	P	P	06 57 09.2 -0.1
YUK3	Moose Creek	48.41 322	P	P	06 57 10.6 +0.9
COLA	College	48.43 328	P	P	06 57 11.0 +1.4
COLA	College	48.43 328	Iamb	Iamb	06 57 14.3
COLA	College	48.43 328	P	P	06 57 10.9 +1.4
L26K	Log Cabin Wild	48.44 325	P	P	06 57 10.4 +0.6
M27K	Edge Creek, AK	48.46 324	P	P	06 57 09.2 -0.7
Q13A	Divide	48.48 280	Iamb	Iamb	06 57 23.3
HDA	Harding Lake	48.52 328	P	P	06 57 10.9 +0.6
YUK8	Steele Glacier	48.52 322	P	P	06 57 10.5 -0.2
K24K	Donnelly Dome	48.62 327	P	P	06 57 12.4 +1.3
MENT	Miasta	48.62 325	Iamb	Iamb	06 57 19.8
PLBC	Pleasant Camp	48.63 318	P	P	06 57 11.1 0.0
H22K					

1991

PWL	Port Wells	51.63 325	P	P	06 57 34.9 +0.9
SKT	Skwentna	51.72 328	P	P	06 57 35.1 +0.6
G16K	Koyuk River	51.75 335	P	P	06 57 35.6 +0.9
GNI	Garni	51.78 73	LR	LR	07 21 24.7
RC01	Rabbit Creek A	51.88 326	P	P	06 57 36.3 +0.5
SUA	Susitna One	51.89 327	P	P	06 57 36.9 +0.9
J18K	Innoko River	51.97 331	IAMB	IAMB	06 57 46.5
J18K	Innoko River	51.97 331	P	P	06 57 37.4 +1.0
L20K	Farewell, AK	51.99 329	P	P	06 57 36.7 +0.1
F15K	North Star Dit	52.00 336	P	P	06 57 37.0 +0.4
P23K	Montague Isan	52.00 324	P	P	06 57 36.8 +0.1
MMAI	Mount Meron Ar	52.07 86	LR	LR	07 21 02.1
ANMO	Albuquerque	52.13 277	LR	LR	06 57 39.8 +1.6
ANMO	Albuquerque	52.13 277	LR	LR	07 18 58.5
STLK	Strandline Lak	52.19 327	IAMB	IAMB	06 57 40.9
J08A	Circle Bar Ran	52.24 293	IAMB	IAMB	06 57 39.5 +0.6
OZNA	Ozona	52.28 270	IAMB	IAMB	06 57 47.0
H16K	Elim	52.36 335	P	P	06 57 40.3 +1.0
G15K	Niukuk	52.47 336	P	P	06 57 39.5 -0.6
L19K	White Mountain	52.50 329	P	P	06 57 39.5 -0.9
SPCR	Spurr Chakacha	52.54 327	P	P	06 57 40.4 -0.3
F14K	Arctic Creek	52.56 337	P	P	06 57 40.5 -0.3
SEW	Geward	52.57 325	P	P	06 57 40.2 -0.6
I17K	Unalakleet	52.63 333	P	P	06 57 40.5 -0.7
J17K	VADM Dome	52.63 332	P	P	06 57 40.6 -0.7
TNA	Tin City	52.82 338	P	P	06 57 40.5 -2.1
L18K	Granite Mounta	52.98 330	IAMB	IAMB	06 57 52.3
L18K	Granite Mounta	52.98 330	P	P	06 57 43.0 -0.9
K17K	Iditarod	52.99 331	P	P	06 57 41.9 -2.1
WVOR	Wild Horse Val	53.00 293	IAMB	IAMB	06 57 51.8
J16K	Anvik River	53.11 333	P	P	06 57 42.9 -1.9
ANM	Nome	53.14 336	P	P	06 57 44.8 -0.3
BRSE	Bradley Lake S	53.26 326	P	P	06 57 45.3 -0.7
833A	Chaparral WMA	53.35 266	IAMB	IAMB	06 57 53.1
833A	Chaparral WMA	53.35 266	P	P	06 57 47.8 +0.7
L17K	Donlin	53.48 331	P	P	06 57 46.8 -0.7
N19K	Bonanza Creek	53.51 328	P	P	06 57 47.4 -0.5
SAND	Sanderson	53.57 270	IAMB	IAMB	06 57 55.8
MDP	Montagnes des	53.83 203	LR	LR	07 15 38.1
M17K	Holitna River	53.85 330	P	P	06 57 50.2 -0.1
N18K	Kilae Creek	54.02 329	P	P	06 57 50.0 -1.6
ALPN	Alpine	54.07 272	IAMB	IAMB	06 58 12.1
P19K	Oil Pit	54.08 327	P	P	06 57 49.8 -2.3
L16K	Ohwat River	54.14 331	P	P	06 57 50.1 -2.2
BRVK	Borovoye	54.15 46	P	P	06 57 52.8 +0.2
K15K	Wolf Creek Mou	54.17 333	P	P	06 57 50.9 -1.8
BVAR	Borovoye Array	54.22 46	P	P	06 57 54.4 +1.3
BVAR	Borovoye Array	54.22 46	LR	LR	07 19 25.5
J14K	Nanvaranak Lak	54.28 334	P	P	06 57 51.3 -2.1
BILL	Bilibino	54.31 351	P	P	06 57 53.8 +0.2
EIL	Elat	54.40 89	LR	LR	07 25 06.4
R11B	Troy Canyon, C	54.45 287	P	P	06 57 54.3 -1.0
O18K	Koktuh Hills	54.50 328	P	P	06 57 54.2 -0.9
N17K	Nushagak Hills	54.51 329	P	P	06 57 54.2 -0.9
Q20K	Shuyak Island	54.67 326	P	P	06 57 55.0 -1.3
121A	Cookes Peak, D	54.67 277	P	P	06 57 56.9 -0.1
L15K	Ungalak Mounta	54.69 332	P	P	06 57 55.9 -0.4
BAUV	El Baul	54.73 222	P	P	06 57 56.9 -0.3
Q19K	Cape Douglas,	54.80 326	P	P	06 57 55.7 -1.6
P18K	Big Mountain,	54.89 328	P	P	06 57 57.3 -0.6
TX31	Lajitas Ar. Si	54.90 271	IAMB	IAMB	06 58 05.1
TXAR	Lajitas Array	54.90 271	P	P	06 57 58.4 0.0
TXAR	Lajitas Array	54.90 271	LR	LR	07 21 07.8
N16K	Nishlik Lake	54.99 330	P	P	06 57 58.5 -0.1
O17K	Kolliganek Bris	55.11 329	P	P	06 57 58.4 -1.0
GAMB	Gambell	55.17 339	P	P	06 57 58.7 -1.1
DBIC	Dimbokro	55.25 144	P	P	06 57 58.7 -2.2
DBIC	Dimbokro	55.25 144	IAMB	IAMB	06 57 59.8
DBIC	Dimbokro	55.25 144	P	P	06 57 58.5 -2.4
DBIC	Dimbokro	55.25 144	LR	LR	07 18 19.9
L14K	Kuka Creek	55.27 333	P	P	06 58 00.5 -0.1
KDAK	Kodiak Island	55.40 325	LR	LR	07 21 56.9
KDAK	Kodiak Island	55.40 325	P	P	06 57 59.9 -1.7
O16K	Kokwak River B	55.54 329	P	P	06 58 01.1 -1.4
M14K	Bethel	55.60 332	P	P	06 58 01.5 -1.4
N15K	Kwethluk River	55.60 331	P	P	06 58 02.2 -0.8
SDV	Santo Domingo	55.76 225	LR	LR	07 19 29.1
NVAR	Mina Array Bea	55.80 289	P	P	06 58 05.3 +0.3
NVAR	Mina Array Bea	55.80 289	LR	LR	07 21 21.6
R18K	Karluk	56.16 326	P	P	06 58 06.3 -0.7
N14K	Kuskokwak Cree	56.23 331	P	P	06 58 07.4 0.0
M13K	Dall Lake	56.24 332	P	P	06 58 09.5 +2.0
HPIG		57.86 271	IAMB	IAMB	06 58 29.2

2018 DEC

ZAAO	Zalesovo Array	58.72 37	P	P	06 58 25.1 0.0
ZALV	Zalesovo Beam	58.72 37	P	P	06 58 25.3 +0.1
ZALV	Zalesovo Beam	58.72 37	P	P	06 58 25.6 +0.5
KURK	Kurchatov	59.20 43	P	P	06 58 29.1 +0.6
KURB	Kurchatov Arra	59.24 43	P	P	06 58 29.4 +0.7
MT03	Montecristo	59.41 248	IAMB	IAMB	06 58 39.6
CMIG	Matias Romero	60.00 254	LR	LR	07 24 11.7
JTS	Las Juntas de	60.76 241	LR	LR	07 25 40.2
ROSC	El Rosal	60.91 227	P	P	06 58 41.0 -0.1
ROSC	El Rosal	60.91 227	P	P	06 58 40.5 -0.5
TLIG	Tiapa	61.56 258	P	P	06 58 45.4 +0.2
TLIG	Tiapa	61.56 258	IAMB	IAMB	06 58 51.8
BRLS	Boroday	61.79 54	eP	P	06 58 48.2 +1.8
BTLS	Baital	61.98 50	eP	P	06 58 48.8 +1.3
KKAR	Karatay Array	62.03 53	P	P	06 58 47.9 0.0
KKAR	Karatay Array	62.03 53	P	P	06 58 47.5 -0.4
KKAR	Karatay Array	62.03 53	IAMB	IAMB	06 58 55.7
DZA	Taraz	62.56 53	eP	P	06 58 52.5 +1.0
IUG	Iuzhnyy	62.58 54	eP	P	06 58 52.7 +0.9
LPIG	La Paz	62.65 273	LR	LR	07 26 45.5
RCBR	Riachuelo	62.68 182	LR	LR	07 20 33.9
SGDS	Sogindy	63.52 50	eP	P	06 58 59.9 +1.1
PMU	Port Moresby	63.61 51	P	P	06 58 59.0 -0.4
MAKZ	Makanchi	63.67 43	P	P	06 58 59.1 +0.3
TDK	Taldygorgon	63.79 47	eP	P	06 59 00.8 +1.1
EKSZ	Erkin-Say	63.80 51	P	P	06 59 02.4 +2.5
MK31	Makanchi Array	63.80 43	P	P	06 59 00.2 +0.5
MKAR	Makanchi Array	63.80 43	P	P	06 59 00.3 +0.6
CHMS	Chumysh	63.94 51	P	P	06 59 02.7 +2.0
AAK	Ala-Archa	64.12 51	P	P	06 59 04.1 +2.0
AAK	Ala-Archa	64.12 51	P	P	06 59 03.4 +1.3
AML	Almayushu	64.20 52	P	P	06 59 04.8 +2.0
TKM2	Tokmak 2	64.36 50	P	P	06 59 05.5 +1.9
ARSB	Arslanbob	64.55 53	IAMB	IAMB	06 59 12.7
BTk	Batken	64.62 55	P	P	06 59 05.7 +0.4
MDOK	Medeo	64.76 49	eP	P	06 59 07.1 +0.9
TNSN	Tian-Shan	64.83 49	eP	P	06 59 07.5 +0.6
BOOM	Boomsokoye usch	64.86 50	P	P	06 59 08.6 +1.7
BOOM	Boomsokoye usch	64.86 50	IAMB	IAMB	06 59 18.5
SIMJ	Simiganj	64.93 57	P	P	06 59 07.8 +0.5
SIMJ	Simiganj	64.93 57	IAMB	IAMB	06 59 15.5
RAYN	Ar Rayn	65.00 85	P	P	06 59 09.9 -1.0
KPKS	Kokpek	65.18 48	eP	P	06 59 09.9 +1.1
ZHN	Zhinishke	65.33 48	eP	P	06 59 10.8 +0.9
SATY	Saty	65.41 48	eP	P	06 59 11.6 +1.2
UZB	Uzunkulak	65.58 48	eP	P	06 59 12.7 +1.1
SHLS	Shalkode	65.75 47	eP	P	06 59 14.8 +2.2
H10N2	ASCENSION HYDR66.64	65.77 159	T	T	08 11 10.4
H10N3	ASCENSION HYDR66.65	65.77 159	T	T	08 11 10.8
H10N1	ASCENSION HYDR66.66	65.77 159	T	T	08 11 12.3
OTAV	Otavalo	66.77 229	P	P	06 59 20.0 +0.3
KSH	Kashi	67.62 53	P	P	06 59 25.5 +2.8
KSH	Kashi	67.62 53	pP	sP	06 59 31.3 +3.4
KSH	Kashi	67.62 53	pmax	pmax	
H10S3	ASCENSION HYDR67.0	67.79 159	T	T	08 12 30.5
H10S2	ASCENSION HYDR67.1	67.79 159	T	T	08 12 31.2
WMQ	Urumqi	68.33 41	eP	P	06 59 30.5 +1.6
WMQ	Urumqi	68.33 41	pP	sP	06 59 36.5 +2.4
WMQ	Urumqi	68.33 41	pmax	pmax	
PETK	Petropavlovsk-	69.77 352	P	P	06 59 39.3 +1.7
PETK	Petropavlovsk-	69.77 352	LR	LR	07 31 15.3
SONM	Songino Array	70.45 27	P	P	06 59 43.0 +1.0
ULN	Ulaanbaatar	70.58 27	P	P	06 59 43.7 +0.9
ULN	Ulaanbaatar	70.58 27	IAMB	IAMB	06 59 46.5
ETMB	Extrema	71.67 213	IAMB	IAMB	06 59 53.4
WSAR	Wadi Sarin	72.28 75	LR	LR	07 34 30.6
VILB	Vilhena	73.02 207	IAMB	IAMB	07 00 03.0
BDFB	Brasilia	73.34 194	P	P	06 59 57.1 -2.4
BDFB	Brasilia	73.34 194	LR	LR	07 28 46.6
ATAH	Atahualpa	73.44 226	P	P	06 59 60.0 -0.6
MBAR	Marabar	77.10 112	LR	LR	07 35 21.0
LPZP	La Paz	78.37 213	P	P	07 00 27.2 -1.6
AQDB	Aquidauana	79.33 201	IAMB	IAMB	07 00 38.8
KMBO	Kiliima Mbogo	80.91 106	LR	LR	07 38 19.0
HNS	HongShan	82.29 25	pP	pmax	07 00 50.8 +1.7
HNS	HongShan	82.29 25	pmax	pmax	
PB08	IPOC Station P	82.31 213	P	P	07 00 48.8 -0.9
PB08	IPOC Station P	82.31 213	IAMB	IAMB	07 00 50.6
KIBK	Kibwezi	82.35 106	P	P	07 00 50.0 +0.2
KIBK	Kibwezi	82.35 106	IAMB	IAMB	07 00 57.8
LYN	LuoYang	84.48 27	eP	P	07 01 01.5 +1.1
LYN	LuoYang	84.48 27	pP	pP	07 01 06.5 +2.2
LYN	LuoYang	84.48 27	sP	pmax	07 01 11.0 +5.3
KSRS	Korea Array	84.64 14	P	P	07 01 01.6 +0.4
CPUP	Villa Florida	85.34 201	P	P	07 01 02.5 -2.0
CPUP	Villa Florida	85.34 201	LR	LR	07 34 19.6
TSUM	Tsumeb	87.36 132	LR	LR	07 38 31.2
NJ2	Nanjing	88.34 23	eP	pmax	07 01 19.8 +0.4
NJ2	Nanjing	88.34 23	pmax	pmax	
PZH	PanZhihua	88.84 39	P	P	07 01 22.5 +0.4
PZH	PanZhihua	88.84 39	pmax	pmax	

30d 7h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include SONMI Songino Array, CASY Casey, VYDA Vanda, MK31 Makanchi Array, MAK2 Makanchi Array, BOOM Boomskeye usch, N17K Nushagak Hills, M17K Holitna River, O18K Koktuh Hills, AAK Ala-Archt, N18K Kilae Creek, Q19K Cape Douglas, L18K Granite Mounta, G19K Purcell Mounta, F19K Shalerucik Mo, E19K Redstone River, F20K Avarart Lake, IMAR Inlian Mountai, NRIK Noril'sk, E21K Killik River, B21K Kpkipuk River, G23K Bananza Creek, E22K Anaktuvuk Pass, COLA Collee, D22K Ayikkyg River, BVAR Borovoye Array, GSPA South Pole Qui, BRVK Borovoye, ILAR Eielson Array, B22K Tshetpak Lake, E23K Chendalar, D23K Nanushuk River, F24K Squaw Lake, DAWY Dawson, HYT Haines Junction, C27K Jago River, L29M L29M, WHY Whitehorse, ABKAR Akbulak array, YAKA Yellowknife Ar, TORD Torodi Ar. Bea

2018 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include TORD Torodi Ar. Bea, KURBB Kurchatov Arra, ASAR Alice Springs, IDC 30 07:05:48.0, NRS Narsarsuaq, IVI Ivigtut, BORC Borgarnes, SCSG Scoresbysund, SUM Summit, EKA Eskdalemuir Ar, JMJC Jan Mayen, FRB Froben Bay, SCHO Schefferville, GBN Guysborough, IQA Pointe Anglais, NOA NORARS Array B, HFS Hagfors, HFS Hagfors, ESDC Sarsse Array, CLC Collin, ARCES ARCESS Array B, DAVOX Davos/Dischmat, SADO Sadova, FINES FINESS Array B, YRAC Vranov, MDT Midteld, ULM Lac du Bonnet, KIEV Kiev, AKASO Malin Array Be, AKAB Malin Array Si, VAE Valguarnera, OBN Obninsk, MLR Muntele Rosu, YKA Yellowknife Ar, TKL Tuckaleechee C, BBTS Babate, IDI Anoyia, BELG Belgovoye, SJG San Juan, BRTR Keskit Ar, DLBC Dease Lake, NEW Newport, ILAR Eielson Array, AKTO Aktyubinsk, TORD Torodi Ar. Bea, MMAL Mount Meron Ar, ABKAR Akbulak array, SAND Sanderson, BRVK Borovoye, BVAR Borovoye Array, TXAR Lajitas Array, DBIC Dimbokro, YBH Yreka Blue Her, KURK Kurchatov, KURBB Kurchatov Arra, CMIG Matias Romero, ROSC El Rosal, MAKZ Makanchi, MAKZ Makanchi, MK31 Makanchi Array

1992

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include MK31, MKAR Makanchi Array, SONMI Songino Array, CMAR Chiang Mai Arr, LEM Lembang, ASAR Alice Springs, GSPA South Pole Qui, STKA Stephens Creek, IDC 30 07:07:46.6, SAUI Saumlaki, BNDI Bandanaira, FAKI Fak Fak, DRS Darwin Rock St, SANI Sanana, MTN Manton Dam, KDU Kizadu, FITZ Fitzroy Crossi, WRA Waramunga Arr, COEN Coen, QIS Mount Isa, ASAR Alice Springs, ASO1 Alice Springs, WRKA Warakurna, MKAR Makanchi Array, AEIC 30 07:14:10.3, NEIC 30 07:14:10.3, IDC 30 07:14:11.9, SADO Sadova, FINES FINESS Array B, YRAC Vranov, MDT Midteld, ULM Lac du Bonnet, KIEV Kiev, AKASO Malin Array Be, AKAB Malin Array Si, VAE Valguarnera, OBN Obninsk, MLR Muntele Rosu, YKA Yellowknife Ar, TKL Tuckaleechee C, BBTS Babate, IDI Anoyia, BELG Belgovoye, SJG San Juan, BRTR Keskit Ar, DLBC Dease Lake, NEW Newport, ILAR Eielson Array, AKTO Aktyubinsk, TORD Torodi Ar. Bea, MMAL Mount Meron Ar, ABKAR Akbulak array, SAND Sanderson, BRVK Borovoye, BVAR Borovoye Array, TXAR Lajitas Array, DBIC Dimbokro, YBH Yreka Blue Her, KURK Kurchatov, KURBB Kurchatov Arra, CMIG Matias Romero, ROSC El Rosal, MAKZ Makanchi, MAKZ Makanchi, MK31 Makanchi Array

1993

Table with columns: ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like F28M Old Crow, E29M Blow River, etc.

2018 DEC

Table with columns: ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like RDOG Red Dog Mine, BCAR Beaver Creek A, etc.

30d 7h

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like SONM Songino Array, EKA Eskdalemuir Ar, etc.

SJA 30 07:14:49.8:0.7, 28:94S:69:63W, h114km, 4km, ML3.5, MW3.7
IDC 30 07:14:49.5:6.0, 29:16S:69:52W, h86km, 46km, mb3.4/2, mbmp3.7/4, Error ellipse: s-maj=53.1km s-min=37.1km
GUC 30 07:14:51.0:0.8, 28:95S:69:76W, h122km, 6km, ML4.2
ISC 30 07:14:51.5:0.8, 28:95S:0:03, 69:65W, 0.03, h107km, 6km, n48, c1570, 62-C-1D, Chile-Antarctica border region

30d 8h

Table with columns: AC04, AC04, comp=E,2j,m,0.1s, 1.46 300 eP, Sn, 07 15 36.5 -0.9, 07 15 37.8

Table with columns: AC04, AC04, comp=E,2j,m,0.1s, 1.46 300 eP, Sn, 07 15 36.5 -0.9, 07 15 37.8

2018 DEC

Table with columns: SNZO South Karori, 22.28 204 P, P, 07 49 09.7 -0.7, 07 51 26.8 -0.4

Table with columns: SNZO South Karori, 22.28 204 P, P, 07 49 09.7 -0.7, 07 51 26.8 -0.4

1994

Table with columns: SATY Saty, 1.49 211 eP, Pb, 07 52 29.4 -0.3, 07 52 49.8 +0.2

1995

2018 DEC

30d 8h

s-min=1.1km az=74.0
NEIC 30 08:38:18.9...0.36,445N...0008.96,88W...0.01,1h5km,1km,
Error ellipse: s-maj=2.6km s-min=1.8km az=74.0,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OK051, OK052, OK031, etc.

BGR 30 08:38:58.0...5.15S...104.43E, h169km, mb6.1
MOS 30 08:39:10.8...1.1, 2.55S...102.35E, h169km, mb5.8/78, Error

DJA 30 08:39:11.8...0.1, 3 S...1.10E, h164km, 1km, M5.6/151,
mb5.8/151, mb6.1/130, MLV6.1/35, MW5.8/139,

BJJ 30 08:39:11.0...2.70S...102.30E, h175km, mb5.5/96, mb5.4/55
IPGP 30 08:39:12.0...2.66S...102.35E, h170km, Mw5.7, Fault plane

NEIC 30 08:39:12.4...1.2, 2.68S...102.35E...0.07, h166km, 1km,
mb5.8/246, Mw5.7/40, Mw5.7/50, Error ellipse:

CSEM 30 08:39:12.5...2.67S...102.31E, h169km
NEIC 30 08:39:12.5...2.68S...102.35E, h170km

IDC 30 08:39:12.7...0.5, 2.62S...102.42E, h174km, 3km, mb5.4/47,
mbtmp5.9/50, MS4.3/30, Error ellipse: s-maj=8.1km

NEIC 30 08:39:12.5...2.78S...102.15E, h170km, Moment Tensor
Solution. Duration: 368 Moment tensor: Scale 1017Nm;

Mw-3.81; Fault plane solution: Ms=1.40000...101...NP1:
e2=5.70000...81.97000...lambda=50.89000...NP2: e3=32.02000...

NEIC 30 08:39:12.3...2.67S...102.31E, h164km
GCMT 30 08:39:13.4...0.1, 2.68S...102.25E...0.01, h176km,

MW5.8/157, Moment Tensor Solution. s153,c301;
s157,c324; Duration: 159 Moment tensor: Scale 1017

Nm; Mw-1.18±.05; Mw-0.00±.06; Mw-1.18±.06;
Mw-0.33±.04; Mw-3.61±.05; Mw-5.00±.04; Best double

couple: Ms=2.87000...1017...NP1: e3=360.00000...883.00000...
lambda=1.169...NP2: e3=99.00000...836.00000...

ISC 30 08:39:12.3...0.2, 2.67S...102.29E...0.03, h175km, 1km,
h176km: p-P, n1441, c1f55/1698, mb5.7/40, 74C-133D,

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

Main table with columns: RPSI, RPSI, PSI, PSI, PSI, etc. Includes stations like Rantau Prapat, Rantau Prapat, Prapat, etc.

Table with columns: KMSI, BATI, BATI, BATI, BATI, etc. Includes stations like Cibinong, Baunata, Cibinong, etc.

30d 8h

Table with columns for station name, frequency, power, and signal quality. Includes stations like Kunurra, Gulyang, Morwa, and various regional stations.

2018 DEC

Table with columns for station name, frequency, power, and signal quality. Includes stations like Akola, Kambalda, Warramunga, and various regional stations.

1996

Table with columns for station name, frequency, power, and signal quality. Includes stations like JMIU, JAMIA UNIVERSI, and various regional stations.

1997

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like JNU Nakatsue, WHYH Whyalla, SRNI Trsnagar, etc.

2018 DEC

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MHTO SNR=57, TARG Taragay, Kyrgy, WSAR Wadi Sarin, etc.

30d 8h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BRAT Ballarat, CHKK Chushkaly, AAK Ala-Archa, etc.

30d 8h

Table with columns: ICAO, Name, Frequency, Class, Power, and other details. Includes stations like DZA Taraz, AJN Ajan, IUG luzhny, etc.

2018 DEC

Table with columns: ICAO, Name, Frequency, Class, Power, and other details. Includes stations like BRZS Berezni, ASAJ Asahikawa, JKA ZEA, etc.

1998

Table with columns: ICAO, Name, Frequency, Class, Power, and other details. Includes stations like GNI Garni, GNI Garni, GNI Garni, etc.

Table with columns: NR/KR, Name, Time, Altitude, Slope, SNR, etc. Includes entries like NR/KR Noril'sk, NR/KR Karoi, NR/KR Yaremizino-Bor, etc.

Table with columns: BFZ, Name, Time, Altitude, Slope, SNR, etc. Includes entries like BFZ Birch Farm, BFZ Anzara, BFZ Anzara, etc.

Table with columns: NEGR, Name, Time, Altitude, Slope, SNR, etc. Includes entries like NEGR Negrea, NEGR Schela, NEGR Vanda, etc.

30d 8h

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like PUL Pulkovo, MPEP Mlato Deshtene, and GZFR Gura Zlata.

2018 DEC

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like QSPA, LANS LANS, and MORH Mrlyg, Hungary.

2000

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like BRG, BRG, BRG, and BRG Bergliesshubel.

Table with columns: Station Name, Frequency, Mode, and other parameters. Includes stations like MOTA Moosalm, ZCCA Zocca, NB2 NORFAR Subarra, etc.

Table with columns: Station Name, Frequency, Mode, and other parameters. Includes stations like H19K Roundabout Mou, E21K Killik River, G21K Atlekaik, etc.

Table with columns: Station Name, Frequency, Mode, and other parameters. Includes stations like LPAZ comp=Z,6.0nm,1.0s, etc., and various NEIC and IDC entries.

30d 10h

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Polarization, Azimuth, Elevation, Frequency, Polarization, Azimuth, Elevation, Frequency, Polarization. Includes stations like MIVCO, PIX, YUH, DUNG, GRAC, ELS, CBX, P18A, ISA, 121A, 121A, JLJU, BSUT, NV11, RDMU, YERR.

TEH 30 09:09:23.0, 30.99N, 56.36E, h6km, 43km, ML2.1, Northern and central Iran

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Polarization, Azimuth, Elevation, Frequency, Polarization. Includes stations like ZRDN, IBAF, NGRK, CHMN, IMEH, TPRV, IBDR.

TEH 30 09:11:43.9, 35.04N, 44.96E, h9km, ML2.8

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Polarization, Azimuth, Elevation, Frequency, Polarization. Includes stations like IKRK, GLG1, IDHR, IGHH, ILIN, LBA, BHD, KCHF, IBDR, IKFM.

SKHL 30 09:32:42.6, 0.4, 47.40N, 145.90E, h421km, 5km, mb4.6/5, msh5.0/2, msh4.7/4

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Polarization, Azimuth, Elevation, Frequency, Polarization. Includes stations like YSS, KUR, TYV, ASAJ, NMR, AKK, SEY, SONM, ZALV, ILAR, MKAR, KURBB, BVAR, ARTI, YKA, FINES, NB2, NOA, HFS, AKASG, WRA, PDAR.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Polarization, Azimuth, Elevation, Frequency, Polarization. Includes stations like YSS, KUR, TYV, ASAJ, NMR, AKK, SEY, SONM, ZALV, ILAR, MKAR, KURBB, BVAR, ARTI, YKA, FINES, NB2, NOA, HFS, AKASG, WRA, PDAR.

2018 DEC

Main table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Polarization, Azimuth, Elevation, Frequency, Polarization, Azimuth, Elevation, Frequency, Polarization. Includes stations like ASAR, TXAR, VSHL, ZKTA, LGD, SEKA, MNGR, DGRG, GDB, QZX, KMKR, AKT, GNBR, QBL, XNZR, BRDA, URKR, SEAG, TBLG, BTLR, KSMR, XNQ, ARKR, AGDM, UNCR, QUSAR, ZRD, IML, SGKR, SGKR, CHRG, KZRT, KRNR, BUJR, QUBA, DRN, DRN, SHTL, KDMR, DBC, DLMR, TRLG, POL, BLQ, SIYZ, MTEO, ATGJ, HVR, QRD, QRD, SHABUZ, SBZ, NAK, NAX, ORD, GLBA, GLBA, TKB, YRD, YRD, LERIK, ASTRA, ASTRA.

2002

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Polarization, Azimuth, Elevation, Frequency, Polarization, Azimuth, Elevation, Frequency, Polarization. Includes stations like ASAR, ILAR, CHGR, SIMIGAN, GARM, DRK, BTK, BATKEN, KBL, ARSB, ARSB, IUG, IUG, NIL, NIL, KSH, BRLS, BRLS, BRLS, DZA, DZA, AML, KK31, KK31, KK31, KKAR, KKAR, UCH, EK2S, ERKIN-SAY, NRN, NRN, AAK, AAK, AAK, AAK, FRU1, FRU1, KBK, CHMS, CHMS, CHMS, CHMS, JMU, JMU, JMU, BOOM, BOOM, ULHL, SGDS, SGDS, TKM2, TKM2, TKM2, TKM2, HRA, HRA, KDJ, KDJ, THN, THN, TARG, TARG, PRZ, PRZ, CHKK, CHKK, BHK, BHK, SATY, SATY, KATPK, KATPK, KPKS, KPKS.

2003 2018 DEC 30d 10h

UZZB	Uzynbulak	8.85	50	eP	Pn	10 04 42.0 +0.1
UZZB	Uzynbulak	8.85	50	eP	Pn	10 04 41.9 +0.1
SMLA	Simla	9.05	135	eS	Sn	10 04 45.0 +0.5
SMLA				eS	Sn	10 06 23.2 -3.2
SMLA	comp=E,73nm,0.9s			IAML		10 06 37.0
SMLA				IAML		10 06 37.9
HNLV	HANLEY	9.06	121	eP	Pn	10 04 44.4 -0.7
HNLV				eS	Sn	10 06 27.9 +0.6
HNLV	comp=E,55nm,1.4s			IAML		10 06 37.8
HNLV				IAML		10 06 41.8
SHLS	Shalkoide	9.12	51	eP	Pn	10 04 49.4 +3.8
SHLS	Shalkoide	9.12	51	eP	Pn	10 04 49.4 +3.8
PDGK	Podgornoye	9.23	50	iP	Pn	10 04 46.3 -0.8
PDGK	comp=N,3.1nm,0.6s			iP	Pn	10 07 22.2
PDGK	comp=N,3.1nm,1.1s			iP	Pn	10 04 46.3 -0.8
PDGK	Podgornoye	9.23	50	iP	Pn	10 04 46.3 -0.8
TDK	Taldyqorgha	9.68	39	eP	Pn	10 04 52.6 -0.6
TDK	Taldyqorgha	9.68	39	eP	Pn	10 04 52.5 -0.6
JOSI	Joshimath	10.88	129	eP	Pn	10 05 11.7 +1.9
JOSI				eS	Sn	10 07 11.3 -0.2
KUDL	Kundal	11.18	148	eP	Sn	10 07 14.3 -4.2
KUDL	comp=N,2.1nm,0.7s			IAML		10 07 24.9
KUDL				IAML		10 07 25.3
LGTI	Lohaghat	12.08	131	eP	Pn	10 05 25.9 -0.1
BRZS	Berezni	12.34	9	eP	Pn	10 05 28.4 -1.1
BRZS	Berezni	12.34	9	eP	Pn	10 05 28.4 -1.1
MAKZ	Makanchi	12.74	41	eP	Pn	10 05 35.3 +0.3
MAKZ	Makanchi	12.74	41	eP	Pn	10 05 35.3 +0.3
MK31	Makanchi Array	12.89	42	iP	Pn	10 05 36.8 -0.3
MK31	Makanchi Array	12.89	42	iP	Pn	10 05 36.9 -0.3
MK31	Makanchi Array	12.89	42	iP	Pn	10 05 37.1 0.0
MK31	Makanchi Array	12.89	42	iP	Pn	10 05 36.5 -0.6
MKAR	Makanchi Array	12.89	42	iP	Pn	10 05 37.2 +0.1
MKAR	comp=Z,9.0nm,0.8s			iP	Pn	10 05 42.5 -2.2
AB31	Akbulak array	13.45	331	iP	Pn	10 05 42.5 -2.2
AB31	comp=Z,3.9nm,0.3s,baz=158,slow=12,SNR=194			iP	Pn	10 08 10.4 -3.6
AB31	comp=Z,6.6nm,0.5s,baz=151,slow=24,SNR=7.4			iP	Pn	10 05 42.5 -2.2
AB31	Akbulak array	13.45	331	iP	Pn	10 05 42.5 -2.2
ABKAR	Akbulak array	13.45	331	iP	Pn	10 05 42.7 -1.9
KURBB	Kurchatov Arra	14.25	23	iP	Pn	10 05 52.5 -3.1
KURBB	comp=Z,0.1nm,0.3s,baz=209,slow=12,SNR=22			iP	Pn	10 10 07.3
KURBB	comp=Z,2.2nm,0.8s			iP	Pn	10 05 51.5 -4.1
KURBB	Kurchatov Arra	14.25	23	iP	Pn	10 05 51.5 -4.1
KURK	Kurchatov	14.36	23	iP	Pn	10 05 54.4 -2.7
KURK	Kurchatov	14.36	23	iP	Pn	10 05 53.6 -3.5
KURK	Kurchatov	14.36	23	iP	Pn	10 05 56.4 -0.7
KURK	comp=Z,5.5nm,0.9s			iP	Pn	10 06 09.0 +5.2
WMQ	Urumqi	14.84	61	eP	Pn	10 06 09.0 +5.2
WMQ	comp=Z,1.1nm,2.5s			iP	Pn	10 06 09.0 +5.2
WMQ	comp=Z,2.5nm,0.7s			iP	Pn	10 06 06.9 -0.8
AKTO	Aktyubinsk	15.14	330	iP	Pn	10 06 49.0 -6.2
AKTO	comp=Z,0.8nm,0.3s,baz=139,slow=12,SNR=20			iP	Pn	10 06 06.9 -0.8
AKTO	comp=Z,0.6nm,0.3s,baz=359,slow=19,SNR=3.8			iP	Pn	10 06 05.6 -2.1
AKTO	Aktyubinsk	15.14	330	iP	Pn	10 06 05.6 -2.1
AKTO	comp=Z,1.1nm,0.5s			iP	Pn	10 08 54.2 -1.1
BVA0	Borovoye Array	15.22	1	iP	Pn	10 06 06.7 -1.9
BVA0	comp=Z,3.1nm,0.8s			iP	Pn	10 06 06.7 -1.9
BVA0	Borovoye Array	15.22	1	iP	Pn	10 06 06.7 -1.9
BVA0	comp=Z,1.6nm,0.6s			iP	Pn	10 06 07.3 -1.8
BRVK	Borovoye	15.25	1	iP	Pn	10 06 08.1 -1.0
BRVK	Borovoye	15.25	1	iP	Pn	10 06 08.1 -1.0
BRVK	comp=Z,6.0nm,0.9s			iP	Pn	10 06 08.1 -1.0
BRVK	Borovoye	15.25	1	iP	Pn	10 06 08.1 -1.0
BHPL	Bhopal	15.95	153	eP	Pn	10 06 20.4 +2.0
BHPL				eS	Sn	10 09 08.7 -6.5
NRDN	NARMADA NAGARI	16.34	155	eP	Pn	10 06 24.4 +1.0
NRDN	comp=Z,12nm,1.0s			iP	Pn	10 06 29.6
NRDN				eS	Sn	10 09 17.0 -7.7
MAK	Makhachkala	17.69	294	eP	Pn	10 06 38.9 -1.3
MAK				eS	Sn	10 09 56.4 -0.7
MAK	comp=Z,2.9nm,0.3s			iP	Pn	10 06 06.7 -1.9
MAK				MLR	MLR	10 06 06.7 -1.9
ZAA0	Zalesovo Array	19.18	28	iP	P	10 06 56.1 -1.2
ZAA0	Zalesovo Array	19.18	28	iP	P	10 06 55.6 -1.7
ZALV	Zalesovo Beam	19.18	28	iP	P	10 06 56.1 -1.2
ZALV	comp=Z,1.8nm,0.3s,baz=220,slow=11,SNR=53			iP	P	10 06 56.0 -1.3
ZALV	Zalesovo Beam	19.18	28	iP	P	10 06 56.0 -1.3
ZALV	comp=Z,1.0nm,0.6s			iP	P	10 07 02.8 +1.0
LSA	Lhasa	19.52	108	iP	P	10 07 02.8 +1.0
LSA	comp=Z,1.5nm,0.6s			iP	P	10 07 02.8 +1.0
LSA	Lhasa	19.52	108	iP	P	10 07 02.8 +1.0
SVE	Sverdlovsk	19.96	345	eP	P	10 07 06.9 +1.0
GOMU	GeErNlu	20.07	87	eP	P	10 07 08.3 +0.6
GOMU				eS	Pn	10 07 12.0 +2.6
GOMU				eS	Pn	10 07 13.8 +2.3
GOMU	comp=Z,4.0nm,0.8s			iP	P	10 07 08.0 +0.9
ARTI	Arti	20.08	341	iP	P	10 07 08.0 +0.9
ARTI	comp=Z,1.2nm,0.7s			iP	P	10 07 07.8 +0.6
ARTI	Arti	20.08	341	iP	P	10 07 08.0 +0.9
ARTI	comp=Z,1.6nm,0.8s,baz=159,slow=6,SNR=20			iP	P	10 07 22.5
ARTI	Arti	20.08	341	iP	P	10 07 22.5
ARTI	comp=Z,1.2nm,0.7s			iP	P	10 07 22.5 +1.7
ARTI	Arti	20.08	341	iP	P	10 11 12.2 +3.2
ARTI	comp=Z,1.3nm,0.9s			iP	P	10 07 18.8 +0.2
KBZ	Khabaz	21.13	295	eP	P	10 07 18.8 +0.2
KBZ	comp=Z,1.6nm,0.7s,baz=112,slow=10,SNR=31			eP	P	10 07 20.0 +1.4
KBZ	Khabaz	21.13	295	eP	P	10 07 20.0 +1.4
KBZ	comp=Z,1.6nm,0.7s			eP	P	10 07 20.0 +2.2
BELG	Belogornoye	21.24	320	iP	P	10 07 20.0 +2.2
BELG	comp=Z,2.1nm,0.4s,baz=259,slow=1.4,SNR=23			iP	P	10 07 18.7 -1.0
BELG	Belogornoye	21.24	320	iP	P	10 07 18.7 -1.0
KBZ	Khabaz	21.13	295	eP	P	10 07 21.2 +0.6
KBZ	comp=Z,8.0nm,1.0s			iP	P	10 07 20.8 0.0
KBZ	Khabaz	21.13	295	eP	P	10 07 22.9 +2.2
KBZ	comp=Z,4.8nm,0.7s			iP	P	10 07 31.1 -1.4
SHL	Shilling	22.38	117	iP	P	10 07 31.1 -1.4
SHL	comp=Z,7.0nm,0.7s			iP	P	10 07 43.5 -0.4
GTA	Goat'ai	23.50	77	eP	P	10 07 50.0 +2.3
GTA	comp=Z,18nm,1.2s			iP	P	10 07 54.1 +0.1
KIRV	Kirov	24.62	334	iP	P	10 07 59.2 -0.1
RAYN	Ar Rayn	25.16	242	iP	P	10 08 09.3
RAYN	comp=Z,8.1nm,0.9s			iP	P	10 07 59.2 -0.1
RAYN	Ar Rayn	25.16	242	iP	P	10 07 59.2 -0.1

RAYN				pmax	pmax	
LZH	Lanzhou	27.22	83	eP	P	10 08 21.5 +3.5
LZH				eS	P	10 08 28.0 +4.4
LZH				pmax	pmax	
BR131	Keskin Array S	28.10	285	P	P	10 08 25.5 -0.4
BR131	Keskin Array S	28.10	285	P	P	10 08 25.5 -0.4
BR131	comp=Z,1.3nm,1.0s			pmax	pmax	
BRTR	Keskin Array B	28.10	285	P	P	10 08 26.6 +0.7
BRTR	Keskin Array B	28.10	285	P	P	10 08 27.2 +1.4
BRTR	comp=Z,1.2nm,0.6s,baz=103,slow=9.1,SNR=8.8			pmax	pmax	
OBN	Obninsk	28.29	318	eP	P	10 08 27.1 0.0
OBN				ePPP	PPP	10 09 14.1
OBN				ePPP	PPP	10 09 23.4
OBN				ePPP	PPP	10 11 41.2
OBN	comp=Z,3.0nm,0.7s			MLR	MLR	
SOMN	Songino Array	28.44	58	P	P	10 08 28.2 -0.6
SOMN	comp=Z,1.1nm,0.6s,baz=249,slow=9.2,SNR=6.6			LR	LR	10 20 57.0
SOMN	comp=Z,1.83nm,19.9s,baz=283,slow=3.9			LR	LR	
ULN	Ulanbatar	28.89	58	P	P	10 08 32.9 +0.2
ULN	Ulanbatar	28.89	58	P	P	10 08 33.1 +0.4
ULN	comp=Z,9.0nm,2.5s			pmax	pmax	
PZH	Panzhihua	29.20	103	P	P	10 08 38.5 +2.8
PZH	comp=Z,10.0nm,0.7s			pmax	pmax	
PZH	comp=Z,100nm,5.3s			pmax	pmax	
EIL	Elat	29.92	265	LR	LR	10 23 47.2
AK09	Malin Array Si	31.30	307	P	P	10 08 54.3 +0.5
AKASG	Malin Array Be	31.35	307	P	P	10 08 54.8 +0.5
AKASG	comp=Z,2.3nm,0.6s,baz=83,slow=7.1,SNR=30			eP	P	10 08 54.7 +0.5
AKASG	Malin Array Be	31.35	307	eP	P	10 08 54.7 +0.5
AKASG	comp=Z,4.0nm,0.4s			P	P	10 08 54.2 -0.1
AKKB	Malin Array Si	31.35	307	P	P	10 08 54.0 -0.3
AKKB	Malin Array Si	31.35	307	P	P	10 08 54.0 -0.3
AKKB	comp=Z,4.0nm,0.5s			P	P	10 08 54.6 +0.3
AK05	Malin Array Si	31.35	307	P	P	10 08 54.7 +0.4
KIEV	Kiev	31.36	307	iAmb	iAmb	10 08 54.6 +0.2
KIEV	Kiev	31.36	307	P	P	10 08 54.6 +0.2
KIEV	comp=Z,5.7nm,0.5s			pmax	pmax	
AK18	Chiang Mai Arr	31.45	307	P	P	10 08 55.5 +0.3
CMAR	Chiang Mai Arr	31.96	119	P	P	10 08 58.2 -1.8
CMAR	comp=Z,1.4nm,0.9s,baz=307,slow=8.4,SNR=9.8			LR	LR	10 24 58.6
HHC	Hu-ho-hao-te	32.27	71	eP	P	10 09 03.5 +0.9
HHC	comp=Z,1.1nm,0.5s			pmax	pmax	
INDU	Novodistrovsk	32.33	303	P	P	10 09 03.8 +0.8
TESR	Tescani	32.76	299	P	P	10 09 08.1 +1.3
NR1K	Noril'sk	33.03	11	P	P	10 09 08.8 0.0
NR1K	comp=Z,1.3nm,0.4s,baz=207,slow=10,SNR=3.6			P	P	10 09 08.8 -0.2
NR1K	Noril'sk	33.03	11	eP	P	10 09 14.5 +1.0
RNPB	Varash	33.54	308	P	P	10 09 20.4 +0.8
STNU	Starunia	34.23	304	P	P	10 09 25.1 +2.0
MORS	Morshin	34.65	304	P	P	10 09 30.0 +0.7
HNS	HongShan	35.36	77	iP	P	10 09 30.0 +0.7
HNS	comp=Z,1.2nm,0.7s			pmax	pmax	
FINA	FINESS Array S	35.84	325	P	P	10 09 33.5 +0.3
FINA	FINESS Array B	35.84	325	P	P	10 09 33.6 +0.5
FINA	comp=Z,0.9nm,0.6s,baz=118,slow=7.8,SNR=10			PP	PP	10 09 58.8 +5.3
FINES	FINESS Array B	35.84	325	iP	P	10 09 33.5 +0.3
FINES	comp=Z,2.0nm,0.8s,baz=101,slow=9.5,SNR=3.9			P	P	10 09 46.7 +0.7
OJC	Ojcow	37.32	306	P	P	10 09 46.7 +0.7
OJC	Ojcow	37.32	306	P	P	10 09 46.7 +0.7
OJC	comp=Z,4.0nm,1.1s			pmax	pmax	
TIA	Tai'an	37.55	78	P	P	10 09 49.0 +0.9
TIA	comp=Z,1.6nm,0.8s			pmax	pmax	
PUK	Puka	38.03	292	P	P	10 09 52.4 +0.2
PUK	comp=Z,1.5nm,1.3s			iAmb	iAmb	10 10 31.3
ARCES	ARCCESS Array B	39.55	337	P	P	10 10 04.8 +0.3
ARCES	comp=Z,3.4nm,0.8s,baz=327,slow=5.8,SNR=11			P	P	10 10 20.2 +0.1
HFS	Hagfors	41.42	321	P	P	10 10 20.2 +0.1
HFS	comp=Z,1.3nm,0.3s,baz=105,slow=11,SNR=23			P	P	10 10 22.2 +1.2
CUC	Castroucio	41.49	290	P	P	10 10 32.7
CUC	comp=Z,1.2nm,1.1s			iAmb	iAmb	10 10 27.0 -0.1
HEH						

30d 10h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like CJM Chanela, AAIG Agusalientes, ANIG Ahuacatlan, etc.

IDC 30 10:11:18.5:23.0, 37:80N:20:88E, h0km, mb3.5/5, mbmp3.5/5, Error ellipse: s-maj=440.0km s-min=43.8km az=37.0

ATH 30 10:11:19.1:37:67N:20:72E, h10km, 1km, ML2.8/12, Error ellipse: s-maj=2.8km s-min=1.0km az=40.0

THE 30 10:11:19.7:37:69N:20:71E, h18km, ML2.8/10, Error ellipse: s-maj=1.3km s-min=0.5km az=23.0

ISC 30 10:11:19.0:1.1, 37:69N:0:04:20:72E:0:04, h13km, 5km, n41, c053/59, mb3.4/5, Ionian Sea

Main table for 30d 10h section, listing station codes, names, coordinates, and observation times/responses.

2012 DEC

IDC 30 10:12:13.8:1.1, 35:68N:138:43E, h126km, 41km, mb2.9/2, mbmp3.3/2, Error ellipse: s-maj=80.8km s-min=71.5km az=174.0

JMA 30 10:12:13.7:0.2, 36:0N:0:8:138:38E:0.9, h143km, 1km, MV2.2/35, WESTERN SAITAMA PREF

ISC 30 10:12:13.6:1.2, 35:97N:0:08:138:76E:0:08, h143km, 8km, n13, c043/17, Eastern Honshu

Table for IDC 30 10:12:13.8 section, listing station codes, names, coordinates, and observation times/responses.

IDC 30 10:22:40.1:1.9, 3:04N:125:66E, h0km, mb3.4/4, mbmp3.5/4, Error ellipse: s-maj=123.3km s-min=25.5km az=68.0, Talaud Islands

Table for IDC 30 10:22:40.1 section, listing station codes, names, coordinates, and observation times/responses.

SJA 30 10:35:44.9:0.6, 23:12S:66:76W, h222km, 6km, ML3.2, MW3.3

GUC 30 10:35:47.3:0.5, 22:99S:67:32W, h241km, 10km, ML3.5

ISC 30 10:35:45.4:2.2, 23:13S:0:04:66:83W:0:05, h216km, 18km, n25, c015/43, 2C, Jujuj Province

Main table for 2012 DEC section, listing station codes, names, coordinates, and observation times/responses.

IDC 30 10:40:57.7:3.7, 17:60S:178:34W, h591km, 22km, mb3.1/4, mbmp4.0/5, Error ellipse: s-maj=116.9km s-min=140.0km az=140.0, Fiji Islands region

Table for IDC 30 10:40:57.7 section, listing station codes, names, coordinates, and observation times/responses.

IDC 30 10:42:48.7:1.1, 55:12N:164:61E, h0km, mb3.2/6, mbmp3.2/7, ML2.5/1, Error ellipse: s-maj=42.9km s-min=20.2km az=155.0

KRC 30 10:42:49.4:0.8, 55:00N:164:76E, h41km, 26km, ML3.9

2004

c196/26, mb3.1/6, Komandorsky Islands region

Table for Komandorsky Islands region, listing station codes, names, coordinates, and observation times/responses.

NEIC 30 10:46:54.0:5.6, 36:382N:0:010:98:38W:0:01, h6km, 4km, mb_Lg2.2/9, ML2.5/43, Error ellipse: s-maj=1.8km s-min=0.8km az=136.0, Oklahoma

Main table for 2004 section, listing station codes, names, coordinates, and observation times/responses.

IDC 30 10:48:44.9:1.4, 17:58S:178:94W, h531km, 15km, mb3.4/14, mbmp4.2/15, Error ellipse: s-maj=19.0km s-min=13.8km az=153.0

NEIC 30 10:48:44.3:1.3, 17:65S:0:1:178:38W:0:1, h536km, 9km, mb4.5/24, Error ellipse: s-maj=20.8km s-min=17.7km az=160.0

ISC 30 10:48:44.7:0.4, 17:69S:0:10:178:31W:0:08, h539km, n116, c1563/118, mb4.3/26, 11C-7D, Fiji Islands region

Table for ISC 30 10:48:44.7 section, listing station codes, names, coordinates, and observation times/responses.

2025

Table with columns: RTZ, Ruatuhana, Shannon Station, etc. Columns include station names, coordinates, and other data.

2018 DEC

Table with columns: RETA, Reutte, WTTA, Wattenberg, etc. Columns include station names, coordinates, and other data.

30d 11h

Table with columns: PLRN, CNGA, AI SSO del Vol, etc. Columns include station names, coordinates, and other data.

30d 12h

Table with columns: JGGS, Gusukube, 0.72 105, P, Pg, 11 30 11.2, -0.1, 0.6m, 0.4s, baz=122, slow=7.3, SNR=4.3

IDC 30 11:41:24.4, 2.6, 192.62N, 123.37E, h100km, 24km, mb3.4/8, mbtmp3.8/9, MS3.0/3, Error ellipse: s-maj=49.2km s-min=14.3km az=69.0

ISC 30 11:41:15.2, 0.9, 12.7N, 0.1x123.3E, 0.2, h13km, n11, a176/10, mb3.8/8, Luzon

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

IDC 30 11:41:59.7, 10.0, 23.10S, 176.32W, h108km, 82km, mb3.4/6, mbtmp3.8/7, ML5.1/1, Error ellipse: s-maj=14.1km s-min=2.6km az=149.0

ISC 30 11:42:01.6, 1.3, 23.0S, 0.3x176.4W, 0.2, h124km, n8, a0545/8, mb3.6/6, South of Fiji Islands

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

IDC 30 11:42:16.6, 6.6, 8.85N, 58.95E, h0km, mb3.7/5, mbtmp3.7/5, MS3.3/3, Error ellipse: s-maj=217.2km s-min=33.1km az=75.0, Carlsberg Ridge

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

IDC 30 11:43:01.0, 59.0, 16.18S, -177.81W, h0km, mb3.8/3, mbtmp3.8/3, Error ellipse: s-maj=1082.0km s-min=175.1km az=77.0, Fiji Islands region

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

NEIC 30 11:57:59.8, 0.6, 19.26N, 0.02:155.41W, 0.02, h38km, 2km, Error ellipse: s-maj=3.1km s-min=2.3km az=150.0

HVO 30 11:58:01.4, 0.8, 19.24N, 0.05:155.39W, 0.04, h31km, 7km, ML2.5/18, ML2.4/44(NEIC), Error ellipse: s-maj=7.0km s-min=5.1km az=156.0, Hawaiian Islands

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

2018 DEC

Table with columns: HLP, Hilina Pali, 0.10 52, IAML, Pb, 11 58 06.7, -0.3, 11 58 10.8, 11 58 10.7, -0.1, 11 58 09.5

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

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

IDC 30 12:25:23.8, 3.3, 32.26S, 69.75W, h101km, 28km, mb3.5/4, mbtmp3.7/7, Error ellipse: s-maj=39.0km s-min=19.6km az=99.0

SJA 30 12:25:23.1, 0.7, 32.22S, 69.89W, h120km, 4km, ML3.7, MW3.9

NEIC 30 12:25:24.0, 1.3, 32.21S, 0.05:70.05W, 0.06, h115km, 9km, mb4.3/3, Error ellipse: s-maj=7.3km s-min=6.8km az=171.0

GUC 30 12:25:24.7, 0.7, 32.24S, 70.15W, h128km, 3km, ML3.9

ISC 30 12:25:24.2, 0.7, 32.20S, 0.02:70.02W, 0.03, h118km, 5km, n114, a1542/168, mb4.2/6, 9C-4D, Chile-Argentina border region

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

IDC 30 12:25:24.2, 0.7, 32.20S, 0.02:70.02W, 0.03, h118km, 5km, n114, a1542/168, mb4.2/6, 9C-4D, Chile-Argentina border region

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

Table with columns: MT08, Bocatoma Ro, 1.24 180, eP, Pn, 12 25 49.0, +0.1, 12 25 49.8, +0.3, 12 25 49.4, +0.6

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

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

IDC 30 12:25:24.2, 0.7, 32.20S, 0.02:70.02W, 0.03, h118km, 5km, n114, a1542/168, mb4.2/6, 9C-4D, Chile-Argentina border region

VA05, Santo Domingo, 1.98 222, eP, Pn, 12 25 55.9, -1.3, 12 25 56.4, -0.9

CO06, Fray Jorge, 2.06 317, eP, Pn, 12 25 57.5, -0.8, 12 25 58.1, -0.2

AROD, Rodeo, 2.08 13, eP, Pn, 12 26 02.2, +1.3, 12 26 22.0, -3.4

GO04, Tololo Observa, 2.13 341, Pn, 12 25 59.8, +0.4, 12 25 59.4, +0.2

CO01, Juntas del Tor, 2.22 358, eP, Pn, 12 26 01.8, +1.3, 12 26 02.1, +1.5

CO05, La Serena, 2.50 335, eP, Pn, 12 26 03.5, -0.5, 12 26 03.5, -0.3

CO02, Sierra Bellavi, 2.66 194, eP, Pn, 12 26 05.9, -0.6, 12 26 05.4, -0.2

BO02, Sierra Bellavi, 2.66 194, eP, Pn, 12 26 05.9, -0.6, 12 26 05.4, -0.2

BO03, Pichilemu, 2.81 215, eP, Pn, 12 26 05.9, -0.6, 12 26 05.9, -0.6

AGUA, GUANDACOL, 3.00 26, eP, Pn, 12 26 17.1, +1.1, 12 26 17.1, +1.1

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like G005 Hualane, LCO Las Campanas, ML02 Panimavida, etc.

IDC 30 12:29:34.6, 2.6, 10.92'S, 123.15'E, h0km, mb3.3/1, mbtm=3.2/3, ML2.9/2, Error ellipse: s-maj=208.6km s-min=35.1km az=51.0, Timor region

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

IDC 30 12:51:23.9, 0.6, 54.184'N, 164.44'E, h0km, mb4.1/26, mbtm=4.2/30, ML3.5/3, MS3.4/15, Error ellipse: s-maj=15.0km s-min=12.1km az=148.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PEA0B Petropavlovsk, PETK Petropavlovsk, MTRV Mutnovka, etc.

IDC 30 12:51:24.3, 1.3, 54.184'N, 164.44'E, h0km, mb4.5/29, mb5.3/7, Ms4.5/1, Mst7.4/3/1, NEIC 30 12:51:25.3, 1.3, 54.184'N, 164.44'E, h0km, mb4.1km, mb4.5/58, Error ellipse: s-maj=19.5km s-min=14.7km az=139.0

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

IDC 30 12:51:26.7, 0.8, 54.184'N, 164.44'E, h33km, mb4.7/15, Error ellipse: s-maj=7.2km s-min=5.1km az=91.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like L29M L29M, KSRS, H1N2 WAKE ISLAND HY 35.06 176 T, etc.

IDC 30 12:51:29.2, 0.5, 54.80'N, 164.44'E, h7km, 13km, n197, s120/216, mb4.5/68, MS3.4/12, 8C-2D, Komandorsky Islands region

30d 14h

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like CMAR Chiang Mai Arr, USKR Ussuriysk Arr, INK Inuvik, etc.

AEIC 30 13:35:04.9.2.3, 61.28N, 0.03, 151.57W, 0.10, h98km, 4km, Error ellipse: s-maj=6.8km s-min=3.5km az=105.0

NEIC 30 13:35:04.0.2.3, 61.51N, 0.05, 151.51W, 0.10, h105km, 6km, ML2.5, ML2.4(AEIC), Error ellipse: s-maj=7.0km s-min=6.8km az=216.0, Southern Alaska

Main table for 30d 14h section, listing station codes, names, and various parameters. Includes stations like STLK Strandline Lak, SUA Susitna One, SPU Mount Spurr, etc.

SJA 30 13:37:03.0, 19.75S, 68.36W, h166km, ML3.2, SCB 30 13:37:04.5, 1.1, 19.74S, 68.18W, h145km, 14km, ML3.2/1, MW3.3, Error ellipse: s-maj=6.5km s-min=3.7km az=1.0

ISC 30 13:37:03.5, 1.7, 19.74S, 68.04W, h6830W, 0.06, h168km, 12km, n32, 0.076/36, 3C, Chile-Bolivia border region

Table for 30d 14h section, listing station codes, names, and various parameters. Includes stations like GO01 Chusmiza, GO01 Chusmiza, etc.

2018 DEC

Table for 2018 DEC section, listing station codes, names, and various parameters. Includes stations like TA02 Huiquique, TA01 Diego Aracena, etc.

GUC 30 14:00:32.8, 1.1, 6.32E, 72.09W, h33km, 2km, ML3.3, IDC 30 14:00:34.1, 1.6, 32.49S, 70.75W, h0km, mb3.8/3, mbmp3.6/5, ML3.4/2, Error ellipse: s-maj=52.5km s-min=35.4km az=79.0

ISC 30 14:00:31.1, 2.0, 32.31S, 0.05, 71.9W, 0.1, h4km, 11km, n33, 0.094/37, mb3.8/3, Near coast of central Chile

Main table for 2018 DEC section, listing station codes, names, and various parameters. Includes stations like VA06 Catapilco, VA01 Torpederas, etc.

2010

Main table for 2010 section, listing station codes, names, and various parameters. Includes stations like JAY Jayapura, JAY Jayapura, etc.

2011

Table of astronomical observations for 2011, listing station names (e.g., XAN, BNX, PZH), coordinates, and various parameters like pmax, p, and time offsets.

Code Station Name Az Phase ID Time Res
JOI OKI 2.06 192 Op ISC h m s ISC
JHG Hegura jima 2.51 100 A P 14 27 38.4

2018 DEC

Table of astronomical observations for 2018 DEC, listing station names (e.g., JSD, JEG, MJJB), coordinates, and various parameters like pmax, p, and time offsets.

Code Station Name Az Phase ID Time Res
JSD Sado 3.53 93 P 14 27 45.1 +0.1
JEG Eigenji 3.79 146 A 14 27 47.6

30d 14h

Table of astronomical observations for the 30-day 14-hour period, listing station names (e.g., XLT, HIA, HIA), coordinates, and various parameters like pmax, p, and time offsets.

Code Station Name Az Phase ID Time Res
XLT comp=Z,220nm,5.6s 14.90 322 P P 14 29 45.4 0.0

30d 14h

Table with columns for station ID, name, coordinates, and various performance metrics. Includes stations like ZALV, SHL, MK31, MKAR, MKAF, MKAR, MKAF, MAKZ, MAKZ, SWI, BRDH, NRIK, NRIK, NRIK, KURK, KURK, SMPI, KURBB, KURBB, KURBB, SANI, SHLS, SHLS, FAKI, FAKI, UZB, KPKS, MSAI, KDJ, TNA, UNV, M11K, M11K, F14K, TKM2, ANM, K13K, F15K, KBK, BRZS, SGDS, CHMS, BTLS, C16K, KSH, KSH, USP, G15K, FRU1, J14K, M13K, AAK, AAK, AAK, AAK, KULM, KULM, L14K, EKS2, D17K, H16K, G16K, M14K, C17K, RDOG, BVAR, BVAR, BVAR, AML, BRVK, BRVK, BRVK, N14K, K15K, E17K, F17K, I17K, M15K, B18K, J16K, G17K, C18K, E18K.

2018 DEC

Table with columns for station ID, name, coordinates, and various performance metrics. Includes stations like N15K, H17K, A19K, O15K, F18K, L16K, OHH, J17K, C19K, G18K, N16K, H18K, K17K, CHNA, L17K, D19K, F19K, O16K, E19K, M17K, G19K, GCSA, DRK, B20K, J18K, D20K, H19K, PSI, PSI, L18K, RPSI, BRLS, A21K, IUG, F20K, BTK, Q16K, J19K, M18K, N18K, A22K, C21K, H20K, B21K, I20K, L19K, NIL, NIL, NIL, E18K, O18K, J20K, IMAR, B22K, F21K, G21K, N19K, L20K, CHIR, O19K, D22K, H21K, BATI, BATI, F22K, M20K, E22K, CHUM, Q19K, I21K, G22K, P19K, SII, GSI, GSI, CAST, P22K, H22K, C23K, C23K, D23K, D23K, SIMJ, SIMJ, O20K.

2012

Table with columns for station ID, name, coordinates, and various performance metrics. Includes stations like SPCR, SPU, OHAK, BPWA, COLD, SKT, G23K, TOLK, SVE, SVE, SVE, Q20K, E23K, E23K, KDAA, HOM, C24K, D24K, TRF, SUA, CUT, I23K, E24K, MDSI, M22K, M22K, NEA2, BRSE, F24K, MCK, MTN, MTN, KPJI, RC01, H24K, G24K, G24K, D25K, PMR, PMR, PMR, PMR, COLA, COLA, COLA, COLA, WAT1, KBL, KBL, KBL, SEW, POKR, ARTI, ARTI, ARTI, ARTI, ARTI, SML, KNK, E25K, G25K, IL31, ILAR, ILAR, ILAR, WAT6, HDA, F25K, PWL, DHY, M23K, SCM, PRP, C27K, C27K, BMAR, F26K, K24K, GLI, J25K, P23K, ABKAR, M24K, M24K, G26K, PAX, KLU, HARP.

2013

Table with columns for call sign, name, frequency, power, mode, and other technical details. Includes stations like SCRK Sand Creek, E27K Coleen River, etc.

2018 DEC

Table with columns for call sign, name, frequency, power, mode, and other technical details. Includes stations like P33M Teslin, Yukon, CTA Charters Tower, etc.

30d 14h

Table with columns for call sign, name, frequency, power, mode, and other technical details. Includes stations like AKASG, AKKB Main Array, etc.

2015

Table with columns: UZB, SATY, KPKS, KOTS. Rows include Uzynbulak, Saty, Kokpek, Kolyrbulak with station names, coordinates, and times.

NEIC 30 14:40:08.4±1.5,35.32N±0.02,-112.61W±0.04,h5km±2km, ML2.5/26, Error ellipse: s-maj=5.7km s-min=3.2km

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include WUAZ, U15A, X16A, Y14A, BLYC, X18A, TUC, PIX, YUH, DUN6.

DJA 30 14:58:32.1±0.5,11°S±6°12'E±1, h38km±7km, M3.7/8, mb3.8/1, MLV3.6/8, Sumba region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include BASI, WBSI, MMRI, BATI, SOEI, PLAI, TWSI.

DJA 30 15:00:09.0±0.5,10°S±7°12'E±1, h34km±5km, M3.8/8, mb4.1/1, MLV3.6/8, Sumba region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include BASI, WBSI, MMRI, BATI, SOEI, PLAI, TWSI.

ISC 30 15:07:36.8±0.6,56°52'S±24°80'W,h0km,mb4.3/9, mbmp4.3/10,ML4.1/1,MS3.8/12, Error ellipse: s-maj=24.5km s-min=17.4km az=60.0

NEIC 30 15:07:39.7±1.9,56.7S±0.1±24.8W±0.3,h20km±6km, mb4.9/22, Error ellipse: s-maj=25.8km s-min=13.3km az=57.0

ISC 30 15:07:42.2±0.5,56.60S±0.1±24.9W±0.1,h40km,n55, ±1503/45,mb4.8/17,MS3.7/11,5C,South Sandwich Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include HOPE, VNA1, VNA3, SNA, TROLL, PMSA, BELA, MG02, TRQA, PLTB, PLCA, GSPA, CPUP, LMEL, GO05, MT09, MAW, MT02.

2015 DEC

Table with columns: SUR, CO01, GO02, BOSA, VNSA, VNSA, PB09, LB1B, PB01, LB1B, LPAZ, LPAZ, LPAZ, ETMB, DBIC, BOAV, BOAV, TORO, MDT, STKA, PPT, ASAR, EIL, CMAR, FINES, BVAR, MKAR, YKA, ZALV, SONM, ILAR. Rows include Sutherland, Juntas del Tor, Mina Guanaco, Boshof, Lobate, Vanda, IPOC Station P, Chusmiza, La Paz, Extrema, Dimbokro, Boa Vista, Mbarara, Torodi Arr, Midelt, Stephens Creek, Papeete, Alice Springs, Elat, Chiang Mai Arr, FINESS Array B, Borovoye Arr, Kurchatov Arr, Yulifnaya Arr, Zalesovo Ben, Songo Arr, Eielson Array.

ISC 30 15:09:47.0±0.3,17°20'S±177°38'W,h0km,mb3.8/4, mbmtmp3.8/4, Error ellipse: s-maj=215.6km s-min=43.3km az=26.0, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include STKA, WRA, ASAR, GSPA.

ISC 30 15:12:11.3±3.3,1°03'N±96°60'E,h0km,mb3.5/3, mbtmp3.5/4,ML3.1/1,MS2.4/1, Error ellipse: s-maj=135.4km s-min=31.0km az=61.0

DJA 30 15:12:15.9±0.4,1°N±3°9'E±8E±1,h12km±4km, M3.5/12, mb3.7/2, MLV3.6/8, Northern Sumatara

ISC 30 15:12:15.2±1.0,0.98N±0.08±97.5E±0.1,h27km,n11, ±1567/10,mb3.7/3,Northern Sumatara

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include GSI, PBSI, SNSI, MNSI, SISI, BSI, CMAR, ASAR, MKAR, ZALV.

ISC 30 15:21:41.6±3.3,16°43'S±172°53'W,h0km,mb3.9/2, mbtmp3.9/2,MS2.9/1, Error ellipse: s-maj=471.2km s-min=67.3km az=167.0,Samoa Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include URZ, WRA, ASAR, TORD.

ISC 30 15:21:38.6±1.3,0°49'N±126°15'E,h0km,mb3.7/5, mbtmp3.7/5, Error ellipse: s-maj=136.4km s-min=19.4km az=67.0

DJA 30 15:21:45.5±0.9,1°N±3°12'E±8E±1,h27km±10km, M3.7/12, mb4.0/5, MLV3.6/8, Northern Molucca Sea

ISC 30 15:21:45.1±0.9,0.61N±0.07±126°65'E±0.05,h47km,n16, ±1520/19,mb3.5/5,Northern Molucca Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include TINTI, LBMI, KMSI, KMSI, SANI, NLAI, LUWI, APSI.

30d 15h

Table with columns: KDI, TTSI, SPSS, BKSI, WRA, ASAR, SONM, MKAR, KURBB. Rows include Kendari, Tana Toraja, Sidrap Palu, Bulukumba, Warrungga Arr, Alice Springs, Songo Array, Makanchi Array, Kurchatov Arr.

ISC 30 15:39:18.3±0.8,14°84'N±99°10'E,h0km,mb3.8/11, mbtmp3.8/12,ML4.2/1,MS3.0/1, Error ellipse: s-maj=36.3km s-min=14.3km az=70.0

BKK 30 15:39:18.7±0.4,15°N±3°9'E±9E±1,h10km±5km, M5.0/3, Mjma4.6/3, MLV5.2/3

NEIC 30 15:39:19.0±0.9,14°89'N±0°02'99"E±0.1±10km±1km, mb4.3/12, Error ellipse: s-maj=16.9km s-min=3.1km az=69.0

ISC 30 15:39:19.7±0.7,14°87'N±0°07'99"E±0.09,h9km,n45, ±1545/45,mb4.2/22,1D,Thailand

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include CHAI, CM04, CM04, CM13, CM31, CM31, CMAR, CMAR, LAMP, PHRA, CHTO, UBT, NPRT, DGPP, SLVN, PSI, SHL, XAN, XAN, XAN, LZH, LZH, LZH, GTA, GTA, HNS, HNS, XLT, XLT, XLT, XLT, XLT, SONM, MKAR, SIMJ, SIMJ, KURBB, KURBB, ZAAO, DIGLIPUR, ZALV, ABKAR, WBO, WRA, WRAB, WRAB, WB2, WB2, AS31, ASAR, BRTR, AKASG, FINES, HFS, NOA, E19K, E19K, B21K, G21K, G21K, TOLK, TXAR.

ISC 30 15:42:31.9±1.2,45°12'N±103°14.61E±0.06,h15km±11km, n7,±05/34/13,Northern Balkan Peninsula

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include RIV, RIV, RAB, RAB, GBRS, GBRS, GBRS, KNDS, KNDS, KNDS, NVLJ, NVLJ, BOJS, BOJS, SKDS, SKDS.

ISC 30 15:42:31.9±1.2,45°12'N±103°14.61E±0.06,h15km±11km, n7,±05/34/13,Northern Balkan Peninsula

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include RIV, RIV, RAB, RAB, GBRS, GBRS, GBRS, KNDS, KNDS, KNDS, NVLJ, NVLJ, BOJS, BOJS, SKDS, SKDS.

ISC 30 15:42:31.9±1.2,45°12'N±103°14.61E±0.06,h15km±11km, n7,±05/34/13,Northern Balkan Peninsula

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include RIV, RIV, RAB, RAB, GBRS, GBRS, GBRS, KNDS, KNDS, KNDS, NVLJ, NVLJ, BOJS, BOJS, SKDS, SKDS.

ISC 30 15:42:31.9±1.2,45°12'N±103°14.61E±0.06,h15km±11km, n7,±05/34/13,Northern Balkan Peninsula

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include RIV, RIV, RAB, RAB, GBRS, GBRS, GBRS, KNDS, KNDS, KNDS, NVLJ, NVLJ, BOJS, BOJS, SKDS, SKDS.

ISC 30 15:42:31.9±1.2,45°12'N±103°14.61E±0.06,h15km±11km, n7,±05/34/13,Northern Balkan Peninsula

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include RIV, RIV, RAB, RAB, GBRS, GBRS, GBRS, KNDS, KNDS, KNDS, NVLJ, NVLJ, BOJS, BOJS, SKDS, SKDS.

ISC 30 15:42:31.9±1.2,45°12'N±103°14.61E±0.06,h15km±11km, n7,±05/34/13,Northern Balkan Peninsula

30d 17h

SKDS comp=Z,0.7nm,0.1s

IAML

15 42 53.8

NEIC 30 15:47:05.0:0.7, 17.7N:0.1:147.4E:0.2, h10km,1km, mb4.4/15, Error ellipse: s-maj=24.9km s-min=18.1km az=109.0

ISC 30 15:47:14.5:3.7, 17.89N:147.04E, h75km,31km, mb3.6/15, mbmp3.9/16, Error ellipse: s-maj=36.8km s-min=14.3km az=86.0

ISC 30 15:47:10.6:0.7, 17.84N:107.47E:0.1, h53km, n33, o1517/35, mb4.2/18, Mariana Islands region

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Lists station data for Guam, Pohnpei, Inuyama, Kuroka, Matsushiro, Matsu-Tunnel, Yeheng, Pingliang, Korea Array, Warramunge Arr, Warramunge Arr, Alice Springs, Sonmigo Array, Chiang Mai Arr, Zalesovo Beam, Makanchi Array, Norik'sk, Kurchatov, Kurchatov Arra, Kurchatov, Kurchatov, Karatay Array, Inuvik, Abkarak, ARCES Array B, FINESS Array B, Hagfors, etc.

ISC 30 16:18:45.2:1.4, 56.81N:34.14W, h0km, mb3.9/9, mbmp3.9/9, MS3.1/2, Error ellipse: s-maj=32.9km s-min=31.5km az=63.0

NEIC 30 16:18:46.0:0.2, 56.7N:0.2:34.3W:0.3, h10km,1km, mb4.4/8, Error ellipse: s-maj=38.9km s-min=14.8km az=311.0

ISC 30 16:18:46.1:0.7, 56.8N:0.1:34.37W:0.0, h10km, n22, o1552/20, mb4.2/13, Reykjanes Ridge

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Lists station data for Narsarsuaq, Borgarnes, Kangasarsuaq, NORSAR Array S, I62A Tamworth, ARCES ARCES Array B, FINESS FINESS Array B, NRCA Norcia, AKASG Malin Array B, BRTR Keskin Array B, ILAR Elieson Array, TORDI Torodi Ar. Bea, ABKAR Abkarak, BVAR Borovoye Array, KURBB Kurchatov Arra, MAKZ Makanchi, MK31 Makanchi Array, MKAR Makanchi Array, GAR Garm, LPAZ La Paz, ASAR Alice Springs, QSPA South Pole Qui, etc.

2018 DEC

comp=Z,1.2nm,0.9s, baz=146, slow=1.2, SNR=3.8

ISC 30 16:27:14.1:1.2, 56.79N:33.79W, h0km, mb3.9/10, mbmp3.9/10, MS3.5/38, Error ellipse: s-maj=29.6km s-min=23.5km az=23.0

NEIC 30 16:27:16.1:2.4, 56.9N:0.1:33.8W:0.2, h10km,2km, mb4.5/15, Error ellipse: s-maj=24.9km s-min=18.4km az=180.0

ISC 30 16:27:15.9:0.7, 56.8N:0.1:33.89W:0.08, h13km, n62, o1503/27, mb4.3/15, MS3.5/33, Reykjanes Ridge

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Lists station data for NARSARSUAQ, BORGARNES, KANGASARSUAQ, JMJC Jan Mayen, FRB Froscher Bay, SCCHO Schefferville, NAONI NORSAR Array S, NOA NORSAR Array B, HFS Hagfors, ESDC SORCEA Array B, SPB2 Spitsbergen Ar, ARCES ARCES Array B, DAVOX Davos/Dischmat, RES Resolute Bay, GERES GERES Array B, FINES FINESS Array B, SADO Sadova, VRAC Vranov, BRNJ Basking Ridge, MDT Midfield, ULM Lac du Bonnet, AKASG Malin Array B, VAE Valguarnera, MLR Muntele Rosu, YKA Yellowknife Ar, TKL Tuckachee C, X48A Hartselle, BBTS Babate, BELG Belogomye, R32A Long Quarter, BRTR Keskin Array B, M31M Drury Creek, DLBC Borovoye Array, KBZ Khabaz, WMOK Wichita Moutain, PDAR Pinedale Array, NEWPORT Newport, ILAR Elieson Array, KLU Klutina, TORDI Torodi Ar. Bea, GNI Garm, MMAI Mount Meron Ar, ANMO Albuquerque, BRVK Borovoye, BVAR Borovoye Array, N18K Kilae Creek, DBIC Dimboc, SFJF Lajitas Array, YBH Yreka Blue Hor, NVAR Mina Array Bea, PFKO Pinyon Flats O, KURK Kurchatov, CMJG Matias Romero, MAKZ Makanchi, MK31 Makanchi Array, MKAR Makanchi Array, GAR Garm, CMJG Chiang Mai Arr, ASAR Alice Springs, QSPA South Pole Qui, etc.

DJA 30 16:42:56.8:0.4, 8.54S:4.107E:1, h0km, M3.9/13, mb4.5/1, MLV3.6/13, South of Java

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Lists station data for CNJI Cibinong, SKJ Sukabumi, LEM Lembeh, CMJG Cimerak, CGJI Cibinong, KPJI Karang Pucung, UGM Wanaagama, PWJI Pagerwojo, etc.

2016

NEIC 30 17:06:18.1:1.6, 64.59N:0.02:160.34W:0.03, h10km,2km, Error ellipse: s-maj=3.2km s-min=3.0km az=325.0

AEIC 30 17:06:18.1:1.0, 64.59N:0.02:160.37W:0.04, h7km,5km, ML3.6, ML3.7/11(NEIC), Error ellipse: s-maj=2.6km s-min=2.1km az=134.0

ISC 30 17:06:19.4:0.9, 64.95N:160.67W, h0km, mb3.6/8, mbmp3.6/11, ML3.3/4, Error ellipse: s-maj=22.8km s-min=11.2km az=18.0

ISC 30 17:06:18.1:1.1, 64.59N:0.02:160.34W:0.02, h8km, n7km, n106, o1521/22, mb4.0/7, Central Alaska

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Lists station data for Granite Mounta, Granite Mounta, Granite Mounta, Unalakleet, Unalakleet, Unalakleet, Elim, Elim, Kiwialik Mounta, Kiwialik Mounta, Honhosa River, Honhosa River, Koyuk River, Koyuk River, Anvik River, Anvik River, VABM Dome, VABM Dome, Tagagawik, Tagagawik, Galena City Sc, Galena City Sc, Baldwin Pennin, Baldwin Pennin, Roundabout Mou, Innoko River, Selawik, Selawik, Purcell Mouta, Purcell Mouta, Nome, Nome, Nanvaranak Lak, Wolf Creek Mts, Shalericuk Mts, Naagheeneel, Novinta River, Tukpahlerick C, Granite Mounta, Granite Mounta, Avarart Lak, Redstone River, Kusivak Mount, Kusivak Mount, Melozitina River, Kuka Creek, Allakaket, Allakaket, White Mountain, Holitna River, Tanana, etc.

2019

1DC 30 18:23:08.1-6.5,34.60N-23.64E,h0km,mb3.7/2,mbmp3.4/5,ML3.4/3,Error ellipse: s-maj=106.2km s-min=45.1km az=30.0

ISK 30 18:23:11.9,34.98N-23.15E,h28km,ML3.1/11
ATH 30 18:23:17.7,35.08N-23.57E,h26km,3km,ML2.9/6,
Manual Solution by A.Moschou First location: 2018/12/30
18:23:39, This location: 2019/02/15 07:26:18 ML
Amplitudes are expressed in micrometers, All distances
are expressed in degrees Latitude uncertainty: 6 km;

Longitude uncertainty: 7 km
THE 30 18:23:18.3,35.07N-23.57E,h24km,1km,ML2.8/4,Error
ellipse: s-maj=20km s-min=0.7km az=231.0

AFAD 30 18:23:20.0,0.0,34.97N-23.87E,h36km,ML2.9
ISC 30 18:23:17.6,1.1,35.08N-0.05,23.60E,0.05,h32km,gkm,
n53,01537/64,Crete

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
				h m s	ISC
KNDR	Palaiochora Ch	0.17 24	Op Pg	18 23 22.7 -1.1	Pn
KNDR	Palaiochora Ch	0.17 24	Pb	18 23 22.9 +1.8	Pn
KNDR	Palaiochora Ch	0.17 24	Sg	18 23 22.9 -0.9	Pn
GVD	Gavdhos	0.47 121	Pg	18 23 27.2 -0.4	Pn
GVD	Gavdhos	0.47 121	Pb	18 23 28.4 +3.2	Pn
GVD	Gavdhos	0.47 121	Sg	18 23 28.0 -0.1	Pn
GVD	Gavdhos	0.47 121	Sn	18 23 36.3 +1.1	Pn
IMMV	Iera Moni Meta	0.49 39	Pg	18 23 27.6 -0.1	Pn
IMMV	Iera Moni Meta	0.49 39	Pb	18 23 25.7 +0.5	Pn
IMMV	Iera Moni Meta	0.49 39	Sg	18 23 27.9 -0.2	Pn
IMMV	Iera Moni Meta	0.49 39	Sn	18 23 28.6 +0.5	Pn
CHNB	Souda	0.56 43	Pg	18 23 26.2 +1.0	Pn
CHNB	Chania	0.57 39	Pb	18 23 29.9 +0.7	Pn
PRNS	Prines Rethymn	0.79 69	Pg	18 23 32.2 -0.7	Pn
ANKY	Antikythira Is	0.82 343	Pb	18 23 34.0 +1.0	Pn
ANKY	Antikythira Is	0.82 343	Sn	18 23 45.8 +1.5	Pn
ANKY	Antikythira Is	0.82 343	Pn	18 23 34.0 +1.0	Pn
ANKY	Antikythira Is	0.82 343	Sb	18 23 47.4 +0.4	Pn
IDI	Anoyia	1.08 78	Pn	18 23 37.1 +0.6	Pn
IDI	Anoyia	1.08 78	Pn	18 23 38.2 +0.4	Pn
IDI	Anoyia	1.08 78	Sn	18 23 52.3 +1.9	Pn
IDI	Anoyia	1.08 78	Pn	18 23 38.0 +1.5	Pn
VLI	Veliai	1.72 342	Pn	18 23 46.7 +1.3	Pn
VLI	Veliai	1.72 342	Pn	18 23 46.8 +1.4	Pn
THR3	Santorini-Faro	1.92 48	Pn	18 23 48.9 +0.9	Pn
THR6	Thira Island	1.96 46	Pn	18 23 49.1 +1.2	Pn
THR5	Thira Island	1.95 46	Pn	18 23 49.6 +1.1	Pn
SAP3	Santorini-Thir	1.96 46	Pn	18 23 49.5 +0.9	Pn
SNT5	Nea Kammeni, S	1.97 47	Pn	18 23 49.6 +0.9	Pn
THR3	Thira Island	1.98 47	Pn	18 23 50.0 +1.1	Pn
CMBO	Columbo, Santo	2.02 46	Pn	18 23 50.7 +1.3	Pn
THR2	Thira Island	2.02 47	Pn	18 23 50.9 +1.2	Pn
THR8	Santorini-Mono	2.02 48	Pn	18 23 50.2 +0.7	Pn
ZKR	Zakros	2.15 88	Pn	18 23 52.1 +0.9	Pn
ZKR	Zakros	2.15 88	Pn	18 23 53.0 +1.8	Pn
ITM	Ithomi	2.50 328	Pn	18 23 50.4 -5.6	Pn
APE	Apeiranthos	2.53 38	Pn	18 23 56.6 +0.1	Pn
VLY	Voula, Athens	2.77 3	Pn	18 24 00.4 +0.6	Pn
KARP	Karpathos	2.95 80	Pn	18 24 03.0 +0.7	Pn
KARP	Karpathos	2.95 80	Pn	18 24 03.5 +1.2	Pn
DION	Dionisos Attik	3.00 5	Pn	18 24 03.6 +0.5	Pn
DAT	Data	3.62 62	Pn	18 24 12.9 +1.3	Pn
ARG	Arkhangelos	3.85 72	Pn	18 24 15.9 +1.2	Pn
TURN	Turunc	4.13 64	Pn	18 24 19.2 +0.7	Pn
TURN	Turunc	4.13 64	Pn	18 24 20.2 +1.7	Pn
SABU	Mula-Dalaman	4.69 67	Pn	18 24 26.9 +0.7	Pn
ESEN	Aydin-Nazilli	4.69 63	Pn	18 24 27.3 +1.1	Pn
FETY	Fethiye	4.71 69	Pn	18 24 28.8 +2.2	Pn
IZZE	Mula-Seydike	4.77 72	Sn	18 25 16.6 -4.9	Pn
IZZE			iAML	18 25 32.0	Pn
DNZT	Denizli-Tavas-	4.91 62	Pn	18 24 30.7 +1.5	Pn
DNZT	Denizli-Tavas-	4.91 62	Sb	18 24 34.0 +1.3	Pn
TAVA	DENIZLI Tavas	4.91 59	Pn	18 24 29.2 0.0	Pn
DNZT	Denizli-Tavas-	5.07 58	Pn	18 24 30.5 -0.9	Pn
KNIK	Mula-Seydike	5.15 68	Pn	18 24 33.8 +1.1	Pn
INCE	Denizli-Bozruk	5.49 60	Pn	18 24 37.9 +0.7	Pn
BRTR	Keskin Aray B	9.23 57	Pn	18 25 27.8 -0.9	Pn
	baz=243,slow=19,SNR=6=2.5				
GERES	GERESS Array B	15.58 335	Pn	18 26 56.3 +1.4	Pn
	0.1nm,0.3s,baaz=148,slow=7,SNR=2.5				
AKASG	Malin Array Be	16.14 13	Pn	18 27 01.8 -0.2	Pn
	0.5nm,0.3s,baaz=205,slow=7,SNR=4=1				
KURBB	Kurchatov Arra	42.16 51	P	18 31 04.6 -2.4	Pn
	0.5nm,0.4s,baaz=275,slow=8,SNR=7.4				
ZALV	Zalesovo Beam	45.98 46	P	18 31 34.9 -2.7	Pn
	0.4nm,0.3s,baaz=280,slow=6,SNR=2.3				

DJA 30 18:24:22.6,0.4,10.5°S×11°9E, h12km,4km, M3.9/12, mb4.2/3,MLV3.7/12

1DC 30 18:24:29.2,8.6,9.09S;118.42E,h69km,79km,mb2.8/3,mbmp3.2/4,ML3.1/1, Error ellipse: s-maj=98.9km s-min=25.4km az=73.0

ISC 30 18:24:23.3-1.1,9.56S;007×119.03E,0.05,h46km,n14, i1533/17,Sumba region

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
				h m s	ISC
WBSI	Waikabubak, Su	0.36 103	Pg	18 24 32.0 -0.8	Pn
WBSI	Waikabubak, Su	0.36 103	Sb	18 24 38.6 -0.7	Pn
PLAI	Plampang	1.44 300	Pn	18 24 47.2 +0.3	Pn
PLAI	Plampang	1.44 300	Sb	18 25 04.2 -0.4	Pn
BASI	Baing, Sumba	1.66 113	Pn	18 24 51.9 +2.0	Pn
TWSI	Taliwang, Sumb	2.28 291	Pn	18 24 59.5 +1.1	Pn
TWSI	Taliwang, Sumb	2.28 291	Sb	18 25 25.6 +0.4	Pn
BSSI	Bau Bau, Buton	3.69 23	Pn	18 25 18.9 +1.1	Pn
BKSI	Bulukumba	4.33 37	Pn	18 25 47.9 +1.0	Pn
KAPI	Kappang	4.57 9	Pn	18 25 51.5 +1.5	Pn
KAPI	Kappang	4.57 9	Sn	18 26 20.7 -1.1	Pn
	6.3nm,0.4s,baaz=359,slow=23,SNR=4.7				
BATI	Baumata	4.61 96	Pn	18 25 32.7 +2.3	Pn
JAGI	Jajag, Banyuwa	4.94 282	Pn	18 25 35.7 +0.7	Pn
SPSI	Sidrap Palu	5.61 8	Pn	18 25 45.7 +1.5	Pn
GMJI	Gumukmas	5.67 283	Pn	18 25 46.6 +1.6	Pn
	23nm,1.0s				
ASAR	Alice Springs	19.97 136	Pn	18 29 04.2 +1.0	Pn
	0.4nm,0.8s				
SONM	Songjina Array	58.23 350	P	18 34 12.3 -0.8	Pn
	0.2nm,0.4s,baaz=173,slow=7,SNR=1.7				
MKAR	Makanchi Array	64.97 333	P	18 34 57.5 -0.9	Pn
	0.1nm,0.3s,baaz=159,slow=1,SNR=1.7				

ATH 30 18:31:15.3,37.84N-21.11E,h13km,3km,ML2.5/8, Manual Solution by A.Moschou First location: 2018/12/30 18:31:52, This location: 2019/02/15 07:56:14 ML

Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 3 km; Longitude uncertainty: 2 km

THE 30 18:31:15.7,37.78N-21.08E,h13km,2km,ML2.6/7, Error ellipse: s-maj=2.2km s-min=0.5km az=309.0

ISC 30 18:31:15.0,0.9,37.80N-0.03,21.09E,0.02,h14km,gkm, n21,0153/41,Southern Greece

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
				h m s	ISC
CLEM	Kyllini,Ilia,G	0.10 19	Op	18 31 18.0 -0.1	Pn
CLEM	Kyllini,Ilia,G	0.10 19	Sg	18 31 25.2 0.0	Pn
KYPS	Kipseli, Zakin	0.21 275	Pb	18 31 20.4 -0.3	Pn
KYPS	Kipseli, Zakin	0.21 275	Sb	18 31 24.2 -0.3	Pn
LTHK	Lithakia	0.22 246	Pn	18 31 19.8 0.0	Pn
LTHK	Lithakia	0.22 246	Sg	18 31 23.4 +0.0	Pn
	4μm,0.2s				

2018 DEC

RLS	Riolo	of Patr	0.39	49	P	Pg	18 31 23.5 +0.6	Sn
RLS	Riolo	of Patr	0.39	49	P	Sb	18 31 30.1 +0.4	Sn
	772nm,0.4s							
RLS	Riolo	of Patr	0.39	49	P	Pg	18 31 23.4 +0.5	Sn
RLS	Riolo	of Patr	0.39	49	P	Sb	18 31 28.2 +0.0	Sn
PSDA	Pessada-Kefalo	0.51 308	P	Pn	18 31 28.2 +0.2	Pn		
PSDA	Pessada-Kefalo	0.51 308	P	Sb	18 31 33.8 +0.8	Pn		
VLS	Valsamata	0.55 314	P	Pn	18 31 25.8 +0.1	Pn		
VLS	Valsamata	0.55 314	P	Sb	18 31 34.5 +0.3	Pn		
	1μm,0.3s							
DMLN	Damoulianata-K	0.72 308	P	Pn	18 31 29.1 +0.2	Pn		
DMLN	Damoulianata-K	0.72 308	P	Sb	18 31 40.3 +1.3	Pn		
	1μm,0.4s							
DMLN	Damoulianata-K	0.72 308	P	Pg	18 31 29.1 +0.2	Pn		
DMLN	Damoulianata-K	0.72 308	P	Sb	18 31 38.9 +0.4	Pn		
FSK	Fiskardo	0.78 328	P	Pg	18 31 40.2 +0.2	Pn		
FSK	Fiskardo	0.78 328	P	Sb	18 31 42.6 -0.5	Pn		
	318nm,0.4s							
FSK	Fiskardo	0.78 328	P	Pn	18 31 29.8 -0.3	Pn		
FSK	Fiskardo	0.78 328	P	Sg	18 31 40.4 0.0	Pn		
KLW	Kalavryta, Ach	0.87 73	P	Pn	18 31 32.6 -0.3	Pn		
KLW	Kalavryta, Ach	0.87 73	P	Sg	18 31 43.2 -0.1	Pn		
PVO	Paravola	0.89 23	P	Pb	18 31 32.8 +0.6	Pn		
PVO	Paravola	0.89 23	P	Sb	18 31 32.8 +0.6	Pn		
PVO	Paravola	0.89 23	P	Pg	18 31 42.8 -0.9	Pn		
EFP	Efpalio	0.90 45	P	Pn	18 31 32.8 +0.5	Pn		
EFP	Efpalio	0.90 45	P	Sb	18 31 42.6 -1.3	Pn		
ITM	Ithomi	0.91 133	P	Pn	18 31 33.0 -0.4	Pn		
ITM	Ithomi	0.91 133	P	Sn	18 31 46.1 -0.2	Pn		
	228nm,0.7s							
ITM	Ithomi	0.91 133	P	Pn	18 31 33.1 -0.2	Pn		
ITM	Ithomi	0.91 133	P	Sb	18 31 44.8 +0.3	Pn		
ANX	Ano Chora	1.03 39	P	Pn	18 31 35.3 +0.2	Pn		
ANX	Ano Chora	1.03 39	P	Sb	18 31 47.3 -0.7	Pn		
PYL	PYLLOS	1.04 150	P	Pn	18 31 34.1 -0.7	Pn		
PYL	PYLLOS	1.04 150	P	Sb	18 31 50.2 +0.7	Pn		
	120nm,0.5s							
PYL	PYLLOS	1.04 150	P	Pn	18 31 34.7 0.0	Pn		
PYL	PYLLOS	1.04 150	P	Sb	18 31 50.1 +0.7	Pn		
LKD2	Lefkada island	1.05 341	P	Pn	18 31 34.3 -0.6	Pn		
LKD2	Lefkada island	1.05 341	P	Sb	18 31 48.0 -0.5	Pn		
TSLK	Tsoukalades, L	1.08 342	P	Pg	18 31 36.1 +0.3	Pn		

BJI 30 18:34:53.2,1.07N;126.43E,h58km,mb5.1/68,mb5.4/21, Ms4.6/22,Ms7.4/26

MOS 30 18:34:54.8,0.9,1.69N;126.29E,h39km,mb5.4/45, Error ellipse: s-maj=9.1km s-min=4.6km az=115.2

30d 18h

2018 DEC

2020

Table with columns for station codes (e.g., ASAR, ASO1, MTSU), station names (e.g., Alice Springs, Mount Surprise), coordinates, and various data points including elevation, frequency, and signal quality. The table is organized into multiple columns and rows, with some rows containing multiple entries for the same station.

2021

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KPKS, ZHN, QNZ, KDJ, etc.

2018 DEC

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SIMJ, IUG, BRLS, etc.

30d 18h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BELG, O17K, K17K, etc.

30d 18h

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like E22K, M22K, TRF, O22K, etc.

2018 DEC

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like OBN, JENT, L26K, etc.

2022

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like FARO, FINES, MNK, etc.

Table with columns: CCM, Cathedral Cave, 127.46, 37, PKPdf, PKPdf, 18 53 57.4 -0.3, etc.

ATH 30 18:38:01.2, 37.81N-21.05E, h8km, 3km, ML2.8/7, Manual Solution by A.Moschou First location: 2018/12/30

THE 30 18:38:01.0, 37.77N-21.06E, h13km, 1km, ML2.6/9, Error ellipse: s-maj=1.4km, s-min=0.5km, az=257.0

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time Res, h m s ISC, etc.

ISC 30 18:46:32.1e 0.9, 32.75N:131.21E, h124km, 3km, mb3.5/10, mbtmp3.9/13, Error ellipse: s-maj=19.1km, s-min=15.4km

JMA 30 18:46:33.4-0.1, 32.77N-0.5-131.3E-0.6, h125km, 1km, Mv3.7/39, NORTHERN MIYAZAKI PREF

ISC 30 18:46:32.4-0.7, 32.65N:0.05-131.28E:0.05, h133km, 5km, n30, e1920/42, mb3.8/10, 5D, Kyushu

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time Res, h m s ISC, etc.

Table with columns: BVAR, FITZ, KBZ, FINES, AKASA, NOA, etc.

IDC 30 18:47:50.6:2.1, 32.38S:72.24W, h0km, mb3.9/2, mbtmp3.7/4, ML3.7/2, Error ellipse: s-maj=76.6km

GUC 30 18:47:52.0:0.9, 32.34S:72.27W, h32km, 2km, ML3.7

ISC 30 18:47:51.1-1.9, 32.37S-0.04:72.27W:0.06, h10km, 10km, n35, e092/56, 5C, Off coast of central Chile

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time Res, h m s ISC, etc.

Table with columns: JAY, FAKI, MTN, KNRA, KNRA, WBO, WRAB, WB2, WRA, AS31, ASAR, MKAR, etc.

IDC 30 18:52:34.9:13.0, 38.66N:20.11E, h0km, mb3.4/4, mbtmp3.4/4, Error ellipse: s-maj=254.4km, s-min=45.9km

ATH 30 18:52:45.5, 39.47N-20.75E, h12km, 1km, ML2.8/11, Error ellipse: s-maj=1.8km, s-min=0.7km, az=305.0

THE 30 18:52:45.7, 39.45N-20.78E, h12km, 1km, ML2.8/14, Error ellipse: s-maj=1.3km, s-min=0.5km, az=270.0

TIR 30 18:52:45.4, 39.43N-20.57E, h28km, 1km, ML3.4, M3.0

ISC 30 18:52:45.2, 0.9, 39.44N:0.01-20.76E:0.02, h15km, 6km, n56, e093/94, mb3.4/4, Greece-Albania border region

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time Res, h m s ISC, etc.

30d 19h

Table with columns: ANX, comp, Station Name, AML, AML, Time, Res. Includes stations like Valsamata, Pessada-Kefalo, Florina, etc.

IDC 30 19:07:02.2:1.1, 12.40N, 122.48E, h0km, mb3.5/6, mbtmp3.5/7, ML4.2/1, MS3.0/2, Error ellipse: s-maj=61.8km

ISC 30 19:07:07.2:1.1, 12.44N, 122.125E, 0.3, h35km, n8, c=0.93/10, mb3.5/6, Luzon

Table with columns: Code, Station Name, A° AZ°, Phase ID, Op, ISC, Time, Res. Includes stations like Tagaytay City, Chiang Mai Arr, Korea Array, etc.

KRNET 30 19:07:11.8:0.1, 39.44N, 72.14E, h13km, mb3.7, IDC 30 19:07:11.6:1.3, 39.39N, 72.10E, h0km, mb3.6/7, mbtmp3.6/14, ML3.1/7, MS3.9/1, Error ellipse: s-maj=20.3km s-min=13.5km az=144.0

NNC 30 19:07:12.3:6.1, 39.19N, 71.56E, h0km, 29km, mb4.1, mpv3.8, Error ellipse: s-maj=47.6km s-min=28.9km az=173.0

SOME 30 19:07:20.1, 39.88N, 72.13E, h15km, IDC 30 19:07:12.9:0.6, 39.47N, 0.04:72.16E, 0.02, h10km, n77, c=2.68/127, mb3.7/7, 33C-30D, Kyrgyzstan

Table with columns: Code, Station Name, A° AZ°, Phase ID, Op, ISC, Time, Res. Includes stations like Karamyk, Osh, Sufi-Kurgan, etc.

2018 DEC

Main table with columns: AAK, Station Name, A° AZ°, Phase ID, Op, ISC, Time, Res. Includes stations like Ala-Archa, Karagaybulak, Bishkek, etc.

2024

Table with columns: Code, Station Name, A° AZ°, Phase ID, Op, ISC, Time, Res. Includes stations like Torodi Arr, WRA, etc.

ATH 30 19:21:54.6:6.7, 37.78N, 21.11E, h13km, 3km, ML2.6/3, Manual Solution by A. Moschou First location: 2018/12/30 19:22:19, This location: 2019/02/08 11:49:18 ML

ISC 30 19:21:54.8:0.9, 37.79N, 21.06E, h13km, 1km, ML2.3/9, Error ellipse: s-maj=1.4km s-min=0.5km az=256.0

ISC 30 19:22:20.7:0.9, 43.54N, 0.06:105.26W, 0.06, h0km, n18, c=11/17, Wyoming

Table with columns: Code, Station Name, A° AZ°, Phase ID, Op, ISC, Time, Res. Includes stations like Black Hills, Red Feather La, etc.

IDC 30 19:23:15.8:4.0, 6.71N, 73.07W, h175km, 27km, mb3.3/3, mbtmp3.9/4, Error ellipse: s-maj=77.4km s-min=27.0km az=88.0

ISC 30 19:23:14.3:0.8, 6.84N, 0.03:73.12W, 0.04, h157km, 6km, n46, c=139/77, mb3.7/3, Northern Colombia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and station details for various locations like Chingaza, El Rosal, San Jos de Ur, etc.

DJA 30 19:57:02.9 0.4, 10°S, 4°10'8"E, h10km, M4.2/21, mb4.3/7, mB5.6/1, MLV4.1/21, Mw(mB)5.1/1, South of Jawa

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and station details for locations like Cimerak, Karang Pucung, etc.

ATH 30 20:06:00.6, 37.78°N-21.08°E, h9km, 3km, ML2.0/5, Manual Solution by A.Moschou First location: 2018/12/30 20:06:17, This location: 2019/02/28 05:57:34 ML

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and station details for locations like Kallinli, Lithakia, Kipseli, etc.

THE 30 20:34:8, 37.51°N-20.62°E, h12km, 1km, ML2.5/7, Error ellipse: s-maj=1.8km s-min=0.5km az=54.0, Ionian Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and station details for locations like Lithakia, Valsamata, Damouliana, etc.

DJA 30 20:25:58.0 0.5, 5°S, 2°12'E, h15km, 5km, M3.8/18, mb4.0/7, MLV3.8/18, Sulawesi

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and station details for locations like Kerikira, Kerikira.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and station details for locations like Bulukumba, Bau Bau, Buton, etc.

NEIC 30 20:31:27.7 1.1, 3.5°S, 33°N, 0.01x12.63W, 0.02, h5km, 1km, ML3/52, Error ellipse: s-maj=3.5km s-min=2.5km az=245.0, Western Arizona

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and station details for locations like Wupatki, Wupatki, Wupatki, etc.

IDC 30 20:41:02.5 11.0, 38°94'N-20:53'E, h0km, mb3.5/5, mtimp3.4/7, ML3.2/2, Error ellipse: s-maj=219.2km

BEO 30 20:41:07.9 1.2, 38°08'N-20:70'E, h55km, 9km, ML3.1/5, TIR 30 20:41:08.4, 39°19'N-20:84'E, h41km, 2km, ML3.3

ATH 30 20:41:09.3, 39°24'N-20:93'E, h12km, 4km, ML3.0/17, Manual Solution by A.Moschou First location: 2018/12/30 20:42:07, This location: 2019/02/28 06:40:30 ML

Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 2 km; Longitude uncertainty: 3 km

THE 30 20:41:09.5, 39°27'N-20:95'E, h3km, 2km, ML2.9/15, Error ellipse: s-maj=2.3km s-min=0.4km az=193.0

ISC 30 20:41:08.6 1.0, 39°22'N-20:02:20.87E, 0.02, h12km, 8km, n12.0, r156/167, mb3.5/5, 7C-8D, Greece-Albania border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and station details for locations like Tsoukalades, Tsoukalades, Janina, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and station details for locations like Pentalofos, Makrakomi, Agios Charalamb, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like QUBA, IML, GLBA, LKRN, etc.

ADC 30 23:16:24.6; 1.4, 33.80Sx179.35W, h0km, mb3.6/3, mtbpm3.7/4, ML3.9/1, Error ellipse: s-maj=40.0km s-min=33.5km az=76.0

WEL 30 23:16:28.5; 0.7, 34.5Sx179.9W, h33km, M4.2/6, mb4.8/4, ML4.4/12, MLV4.3/6, Mw(mB)4.0/4, Error ellipse: s-maj=12.0km s-min=4.4km az=111.6, confirmed

NOU 30 23:17:12.5; 36.80S; 178.88E, h72km, MLV3.3/5, Off E. Coast of N. Island, N.Z.

ISC 30 23:16:30.1; 0.9, 33.94S; 0.06, 179.2W; 0.1, h50km, n31, r143/41, mb3.5/3, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like MXZ, HAZ, HUZ, etc.

CATAC 30 23:27.1; 7.1, 12.12.90N; 90.57W, h2km, mb3.6km, ML3.3 SNET 30 23:27.14; 0.1, 12.12.96N; 90.48W, h21km, 3km, ML3.0

ISC 30 23:12:12.7; 2.1, 12.92N; 0.09; 90.55W; 0.05, h1km, 10km, n42, r08/46/61, Off coast of central America

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like FAME, NUBE, CEVE, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like BOQS, UUES, LOMA, etc.

PRE 30 23:44:40.9; 0.8, 26.95S; 26.83E, h2km, ML2.9 BUL 30 23:44:44.7; 0.8, 27.01S; 26.97E, h10km, MD3.4

BGSI 30 23:44:45.0; 1.3, 26.96S; 26.92E, h0km, 35km, ML3.3 ISC 30 23:44:41.2; 1.2, 26.95S; 0.03; 26.84E; 0.03, h4km, 10km, n43, r161/76, South Africa

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like HRAO, SWZ, SNKL, etc.

ISC 30 23:27.1; 7.1, 12.12.90N; 90.57W, h2km, mb3.6km, ML3.3 SNET 30 23:27.14; 0.1, 12.12.96N; 90.48W, h21km, 3km, ML3.0

ISC 30 23:12:12.7; 2.1, 12.92N; 0.09; 90.55W; 0.05, h1km, 10km, n42, r08/46/61, Off coast of central America

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like LEPH, SKOMA, PILG, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like BROLN, KGCAE, BRAK, etc.

DNK 30 23:50.4; 1.1, 9.51N; 30.16E, h17km, 68km VIE 30 23:50:43.5; 0.7, 51.56N; 16.18E, h0km, mb2.5/3, ml2.5/3

PRU 30 23:50:47.3; 51.42N; 16.12E, h0km ISC 30 23:50:42.4; 0.9, 51.54N; 0.03; 16.15E; 0.03, h0km, n28, r139/48, Poland

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like KSP, CHVC, OSTC, etc.

ISC 30 23:27.1; 7.1, 12.12.90N; 90.57W, h2km, mb3.6km, ML3.3 SNET 30 23:27.14; 0.1, 12.12.96N; 90.48W, h21km, 3km, ML3.0

ISC 30 23:12:12.7; 2.1, 12.92N; 0.09; 90.55W; 0.05, h1km, 10km, n42, r08/46/61, Off coast of central America

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like WBSI, BLAI, PLAI, etc.

31d Oh

Table with columns: ASAR, Alice Springs, 19.14 131 P, 00 07 11.2 -0.2, etc.

TRN 31 00:05:02.9, 17.57N, 62.36W, h8km, MD3.7, North-east of St. Kitts, Leeward Islands

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

IDC 31 00:08:14.2, 3.7, 5.17S, 152.47E, h0km, mb3.5/2, mbtmp3.6/2, Error ellipse: s-maj=147.6km s-min=51.7km az=120.0, New Britain region

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

KRSC 31 00:16:56.5, 1.2, 54.88N, 164.70E, h39km, 29km, MI4.0

IDC 31 00:16:58.3, 2.5, 55.28N, 164.25E, h0km, mb3.7/4, mbtmp3.6/5, ML2.7/1, Error ellipse: s-maj=68.0km s-min=23.0km az=156.0

ISC 31 00:16:59.3, 1.0, 54.98N, 166.1647E, 0.07, h27km, n27, c1965/34, mb3.6/4, Komandorsky Islands region

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc.

NEIC 31 00:23:01.4, 0.3, 19.24N, 0.02, 155.44W, 0.02, h37km, 3km, Error ellipse: s-maj=3.4km s-min=2.8km az=78.0

HVO 31 00:23:02.4, 0.6, 19.21N, 0.07, 155.41W, 0.07, h35km, 8km, ML2.2/14, ML2.5/44(NEIC), Error ellipse: s-maj=10.6km s-min=8.6km az=131.0, Hawaiian Islands

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

2028 DEC

Table with columns: RSD, Rainshed, 0.28 26 Pn, 00 23 09.1 -1.0, etc.

JSN 31 00:24:27.7, 0.3, 18.12N, 76.72W, h18km, 2km, MD2.7

SSNC 31 00:24:28.5, 1.1, 18.31N, 76.71W, h5km, MD3.0, ML2.4, MW2.7

ISC 31 00:24:41.5, 1.8, 33N, 0.05, 76.68W, 0.06, h14km, 13km, n11, c068/19, 2C-2D, Jamaica region

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

PGC 31 00:28:42.1, 26.0, 48.92N, 129.64W, h10km, MLSn2.9/7, Mw3.5/7, 25km southwest of Pt. Hardy, B. Vancouver Island region, Canada Region, Vancouver Island region

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

BUI 31 00:28:36.3, 7.77N, 58.10E, h10km, mb4.7/59, mb5.3/28, Ms5.0/48, Ms7.4/848

IDC 31 00:28:41.2, 0.5, 8.17N, 58.82E, h0km, mb4.3/30, mbtmp4.4/31, ML2.9/2, Error ellipse: s-maj=15.2km s-min=11.8km az=8.0

MOS 31 00:28:41.5, 1.0, 8.21N, 58.63E, h9km, mb5.2/62, MS4.6/6, Error ellipse: s-maj=6.4km s-min=3.8km az=89.6

NEIC 31 00:28:44.2, 1.9, 8.21N, 0.01, 58.67E, 0.10, h10km, 1km, mb5.2/127, Error ellipse: s-maj=16.2km s-min=2.9km az=271.0

ISC 31 00:28:43.5, 0.3, 8.16N, 0.05, 58.68E, 0.05, h10km, n518, c1939/527, mb4.9/196, MS4.8/22, 41C-19D, Carlsberg Ridge

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

2028

Large table with columns: BSY, Bisya, 14.57 355 P, 00 32 13.0 +3.1, etc.

31d 0h

Table with columns: ARTI, Arti, Frequency, P, I/Amb, S, SS, Pmax, and various numerical values.

2018 DEC

Table with columns: TAM, TAM, Frequency, P, Pmax, and various numerical values.

2030

Table with columns: CLL, GRA1, GRA1, Frequency, P, I/Amb, S, SS, Pmax, and various numerical values.

2031

Table with columns: Code, Station Name, Az, El, P, Max, Min, Time, Res. Includes entries like MDJ Mudanjiang, ZEA Zeya, YAK Yakutsk, etc.

IDC 31 00:29:28.3±0.5, 8:20N, 58:74E, h0km, mb4.5/31, mbmp4.5/32, ML3.0/2, MS4.4/7, Error ellipse: s-maj=13.9km s-min=12.0km az=18.0

Table with columns: Code, Station Name, Az, El, P, Max, Min, Time, Res. Includes entries like MAHE Mahe Island, WSAR Wadi Sarin, ATD Arta Tunnel, etc.

2018 DEC

Main table with columns: Code, Station Name, Az, El, P, Max, Min, Time, Res. Includes entries like LSZ Lusaka, BR131 Keskin Array S, BRTR Keskin Array B, etc.

31d 0h

Table with columns: Code, Station Name, Az, El, P, Max, Min, Time, Res. Includes entries like MYKA Terra Mystica, MOA Molin, KBA Koelnbreinsper, etc.

31d 1h

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s ISC. Includes stations like KSRs Korea Array, TINTI Ternate, MDJ Mudanjiang, FITZ Fitzroy Crossi, USRK Ussuriysk Ar., JMNM Monobe, etc.

IDC 31 00:41:51.6,2.4,6.32S; 132.14E, h0km, mb3.4/1, mtbpm4.1/5, ML4.3/4, MS3.2/1, Error ellipse: s-maj=59.4km s-min=29.8km az=63.0

NEIC 31 00:41:55.4,1.9,6.37S; 0.04:131.95E:0.06, h10km,2km, mb4.1/3, Error ellipse: s-maj=11.1km s-min=6.0km az=286.0

DJA 31 00:41:59.4,0.3,6.52; 132.2E, h10km, M4.6/9, mb4.6/7, MB5.2/2, MLV4.5/9, MW(m)B4.6/2

ISC 31 00:41:54.1,0.7,6.39S; 0.04:131.95E:0.07, h10km, n28, s269/32, mb4.2/3, Tanimbar Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s ISC. Includes stations like SAUI Saumlaki, BNDI Bandanaira, KMP1 Kaimanda, etc.

IDC 31 00:52:28.4,1.9,0.25S; 124.64E, h0km, mb3.1/3, mtbpm3.1/3, Error ellipse: s-maj=192.8km s-min=27.5km az=63.0

DJA 31 00:52:31.1,1.9,1.1N; 6.12E, h23km,20km, M3.4/6, MLV3.4/6

ISC 31 00:52:28.6,1.7,0.04N; 0.2:126.0E:0.1, h10km, n4, s077/5, mb3.2/3, Northern Molouca Sea

IDC 31 00:57:01.9,0.7,6.9198N; 176.32E, h0km, mb3.8/22, mtbpm3.8/24, ML3.6/2, Error ellipse: s-maj=22.0km s-min=11.8km az=4.0

2018 DEC

NEIS 31 00:57:01.6,6.9198N; 176.53E, h16km, ISC 31 00:57:03.5,0.5,7.004N; 0.07:176.37E:0.05, h10km, n31, s157/36, mb3.8/22, LC, Eastern Siberian Sea

Main table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s ISC. Includes stations like BILL Bilibino, SEY Seymchan, SUUS Suisman, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s ISC. Includes stations like LUTG Datong, WHF Hehuan Shan, ECBN Changbin, etc.

NOU 31 01:03:36.5,21.97S; 169.37E, h0km, MLV3.9/9, Southeast of Loyalty Islands

IDC 31 01:03:37.4,1.0,21.81S; 169.26E, h0km, mb4.2/6, mtbpm4.2/6, MS3.6/3, Error ellipse: s-maj=37.4km s-min=28.8km az=150.0

NEIC 31 01:03:41.1,1.4,22.0S; 0.1:169.08E:0.07, h10km,1km, mb4.3/1, Error ellipse: s-maj=22.0km s-min=4.7km az=331.0

ISC 31 01:03:39.5,0.7,21.9S; 0.1:169.22E:0.08, h10km, n39, s192/36, mb4.3/12, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s ISC. Includes stations like MARNC Mare, Loyalty, DZM Mont Dzumac, etc.

IDC 31 01:23:58.5, 3.1, 37.45N:141.99E, h52km, 24km, mb3.3/6, mbmp3.5/10, ML3.1/4, MS2.7/1, Error ellipse: s-maj=29.6km s-min=14.0km az=128.0

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like Kawauchi, Minamisoumatoc, Ishinomakikobu, etc.

IDC 31 01:40:17.5, 2.4, 14.79N:103.63W, h0km, mb3.2/6, mbmp3.3/7, MS3.7/9, Error ellipse: s-maj=111.1km s-min=27.5km az=61.0

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like Matias Romero, La Paz, Lajitas Array, etc.

TEH 31 01:51:45.0, 28.55N:57.33E, h10km, 224km, ML2.5 OMAN 31 01:52:07.3, 1.9, 26.77N:57.11E, h6km, 2km, ml1.5/3, Error ellipse: s-maj=33.0km s-min=4.6km az=51.0

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like Khanjoo, KBAM, IBND, etc.

IDC 31 02:07:49.6, 0.8, 11.13S:164.86E, h0km, mb4.1/1, mbmp4.2/13, ML4.2/2, MS3.7/11, Error ellipse: s-maj=23.5km s-min=19.1km az=116.0

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like NEIC, NEIC, NEIC, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like Honiara, Honiara, Honiara, etc.

IDC 31 01:40:18.1, 8.14, 18.48N:102.103, h10km, n18, o554/6, mb3.3/5, MS3.6/7, Off coast of Guerrero

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like Buckleboo, RAR, KNRA, etc.

MEX 31 02:28.8, 0.8, 16.00N:94.11W, h94km, 13km, MD4.4 IDC 31 02:08:24.6, 2.2, 16.20N:93.88W, h82km, 11km, mb3.6/5, mbmp3.9/7, Error ellipse: s-maj=31.9km s-min=13.7km az=13.0

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like PCIG, PCIG, TIGI, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like Sontecomapan, Oaxaca, Vista Hermosa, etc.

IDC 31 02:12:50.2, 3.4, 23.41N:143.37E, h0km, mb3.7/6, mbmp3.7/6, Error ellipse: s-maj=144.7km s-min=23.5km az=78.0

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like WRA, ASAR, MKAR, etc.

IDC 31 02:28:09.4, 1.5, 61.46N:150.40W, h54km, 15km, mb3.4/13, mbmp3.6/17, ML3.3/4, Error ellipse: s-maj=18.6km s-min=10.0km az=110.0

NEIC 31 02:28:10.4, 1.0, 61.48N:150.02, h49.95W:0.05, h40km, 4km, Error ellipse: s-maj=3.6km s-min=3.2km az=164.0

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like M22K, M22K, M22K, etc.

31d 2h

Table with columns for station name, elevation, and coordinates. Includes stations like GHO, KNK, SML, CAPN, SKT, SKL, SPBG, M23K, WAT1, WAT2, M20K, M20K, RDJH, RDWB, BRLK, BRLK, BRSE, PPLA, FID, O20K, M24K, M24K, P23K, KLU, KLU, HOM, HIN, TRF, TRF, RND, CNPM, DHY, DHY, DIV, L20K, L20K, ILS, ILSW, KTH, KTH.

2018 DEC

Table with columns for station name, elevation, and coordinates. Includes stations like CAST, EYAK, MCK, P19K, L19K, O19K, HARP, N25K, N25K, N25K, PAX, BMRM, CHUM, K20K, K20K, BPWA, BPWA, GOAT, SVWZ, BWN, WACK, M18K, GLB, GLB, N18K, N18K, O18K, SYI, SYI, Q19K, WRH, WRH, VRDI, NEA2, BERG, BERG, L18K, HDA, HDA, MENT, MENT, RIDG, RIDG, J20K, J20K, J20K, CCB, M26K, M26K, M26K, L26K, L26K, COLA, COLA, M17K, M17K, M17K, IL31, ILAR, ILAR, N17K, N17K, J19K, J19K, J19K, I23K, I23K, I23K, J18K, KIAG, SCRK, SCRK, SCRK, J25K, J25K, J25K, POKR, POKR, KDAK, KDAK, KDAK, KDAK, I20K, M27K, M27K, M27K, K17K, K17K, K17K, L27K, L27K, BCAR, ACHA, J26L, J26L.

2034

Table with columns for station name, elevation, and coordinates. Includes stations like J26L, M16K, H21K, O16K, O16K, H24K, PRP, PRP, YUK3, OHAK, OHAK, OHAK, OHAK, OHAK, OHAK, J17K, IMAR, I26K, H19K, H19K, N15K, N15K, N15K, EGAK, M15K, J16K, G23K, H18K, H18K, G21K, G21K, G21K, G24K, G24K, O15K, I17K, I17K, DAWY, M29M, K15K, FYI, G19K, M14K, F21K, O14K, I28M, HYT, L14K, F20K, F24K, N30M, P29M, H16K, BMAR, F25K, G27K, J14K, E23K, E24K, E19K, F26K, E22K, E19K, G16K, E25K, TOLK, E27K, FARO, D25K, CHNA, C27K, D27M, G31M, INK, INK, DLBC, YKA, PDAR, ULM, TXAR, SONM, FINES, HFS, EKA, BVAR, KURBB, MKAR, AKASE, ESDC, BRTR.

ADC 31 02:35:32.5, 0.3, 54.46N, 161.63W, h0km, mb5.6/41, mbtm5.5/46, ML4.5/4, MSS.7/92, Error ellipse: s-maj=11.4km s-min=7.6km az=162.0
MOS 31 02:35:35.8, 0.9, 54.47N, 161.65W, h30km, mb6.1/91, MSS.9/56, Error ellipse: s-maj=8.5km s-min=4.5km az=103.2
AEIC 31 02:35:36.3, 0.5, 54.40N, 161.49W, h0.05, h2km, 3km, Error ellipse: s-maj=5.7km s-min=3.9km az=147.0
NEIC 31 02:35:37.1, 54.40N, 161.49W, h25km
IPGP 31 02:35:37.0, 54.43N, 161.71W, h32km, Mw6.1, Fault plane solution: NPT: 54.00000, 86.00000, 1.93.00000, NP2: 226.00000, 824.00000, 1.83.00000
NEIC 31 02:35:37.2, 54.43N, 161.51W, h1.5W, h0.06, h31km, 1km, mb5.8/559, ML5.7/22, Ms. 20.5/8/849, Mw5.9/93, Mw6.0/89, ML5.6(AEIC), Error ellipse: s-maj=7.4km

31d 2h

Table with columns for ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Date, Time, and Status. Includes entries like YUK3 Moose Creek, D17K Noatak River, L27K Beaver Creek, etc.

2018 DEC

Table with columns for ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Date, Time, and Status. Includes entries like U33K Whale Pass, T33K Petosburg, CRAG Craig, etc.

2036

Table with columns for ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Date, Time, and Status. Includes entries like NLWA Neilton Lookou, NLWA Neilton Lookou, NLWA WISH, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like AFDM Forest Hills D, MFID Camas Ranch, and many others.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like HWUT Hardware Ranch, ISA Isabella, Lake, and many others.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like ELS, KNB Kanab, PKCU Pink Oaks, and many others.

31d 2h

Table with columns for station ID, name, coordinates, and various data points. Includes stations like T25A Trinidad, H11N1 WAKE ISLAND Hy, ECSD EROS Data Cent, etc.

2018 DEC

Table with columns for station ID, name, coordinates, and various data points. Includes stations like HIA Hailar, HIA Hailar, HIA Hailar, etc.

2038

Table with columns for station ID, name, coordinates, and various data points. Includes stations like LOOK Love County, LOOK Hopedale, HDIL Sanderson, etc.

2039

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SCHEFFERVILLE, JARELL, TAJEON, etc.

2018 DEC

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like Waverly, Waverly, Waverly, etc.

31d 2h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BINGHAMTON, BINGHAMTON, BINGHAMTON, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like MKAR Makanchi Array, HFS Hagfors, MAKZ Makanchi, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like GZH comp=Z,4um,19.4s, IDGL Inch Island, FAFU Falkenberg, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like BELG Belogoroye, BELG comp=Z,89nm,1.4s, TNSN Tian-Shan, etc.

31d 2h

2018 DEC

2042

Table with columns for station call signs (e.g., VRH, GRTK, DZA), names, frequencies, and various status codes (e.g., pmax, MLR, IAMS_20).

Table with columns for station call signs (e.g., CLL, Collm, CLM), names, frequencies, and various status codes (e.g., eSSmax, SSS, AMS).

Table with columns for station call signs (e.g., KRLC, PRU, ZIRO), names, frequencies, and various status codes (e.g., AMS, P, S).

2043

UUPR	comp=Z,4um,20.0s	IAMS_20	IAMS_20	03 23 29.4	
BUR08	Bucovina Ar. S comp=Z,234nm,1.3s	78.16 355	IAMB	IAMB	02 47 37.1
BURAR	Bucovina Array	78.16 355	P	P	02 47 33.3 -0.2
BURAR	Bucovina Array	78.16 355	P	P	02 47 33.2 -0.2
BIOA	Bad Ischl, Aus comp=Z,125nm,1.3s,SNR=52	78.16 3	i P	P	02 47 33.4 0.0
BMR	Baia Mare	78.17 357	i P	P	02 47 34.0 +0.6
EMR	Baia Mare	78.17 357	i P	P	02 47 34.0 +0.6
CEI	Carei	78.19 357	i P	P	02 47 34.2 +0.8
CEI	Carei	78.19 357	i P	P	02 47 34.2 +0.8
RONA	Rosalia, Austr comp=Z,119nm,1.3s,SNR=37	78.22 1	i P	P	02 47 34.4 +0.5
RETA	Reutte	78.24 5	i P	P	02 47 34.4 +0.5
CELP	Cerrillos	78.34 75	IAMB	IAMB	02 47 37.3
CELP	comp=Z,125nm,1.1s				
OBIP	Obispado Ponce comp=Z,4um,20.0s	78.35 75	IAMS_20	IAMS_20	03 22 40.5
PRAR	RASCA	78.36 355	i P	P	02 47 34.1 -0.3
DAVA	Damuels	78.39 6	i P	P	02 47 35.1 +0.3
LESA	Schwarzeolal	78.39 4	i P	P	02 47 34.8 +0.1
MOTA	Moosalm comp=Z,236nm,1.6s	78.40 5	i P	P	02 47 35.1 +0.2
WATA	Walderalm comp=Z,289nm,1.4s,SNR=108	78.43 5	i P	P	02 47 35.3 +0.3
TNTI	Ternate	78.44 255	i P	P	02 47 36.4 +1.1
TNTI	Ternate	78.44 255	i P	P	02 47 39.1 +3.8
IASR	Iasi	78.44 354	i P	P	02 47 36.4 +1.3
ERBR	Yeremizin-Bor	78.47 344	eP	S	02 47 35.3 +0.2
ERBR			e	S	02 57 29.4 +1.2
ERBR			e	S	02 57 53.3
ERBR	comp=E,27nm,1.0s		pmax	pmax	
ERBR	comp=Z,732nm,1.3s		pmax	pmax	
ERBR	comp=N,112nm,1.2s		pmax	pmax	
ERBR	comp=Z,8um,21.0s		MLR	MLR	
ERBR	comp=E,1um,9.0s		MLR	MLR	
ERBR	comp=N,13um,21.0s		MLR	MLR	
WTTA	Wattenberg	78.50 5	i P	P	02 47 35.8 +0.4
SQTA	Sankt Quirin comp=N,92nm,0.7s,SNR=94	78.53 5	i P	P	02 47 35.9 +0.4
KIS	Kishinev	78.55 353	i P	P	02 47 36.8 +1.3
KIS	Kishinev	78.55 353	i P	P	02 47 36.8 +1.3
KIS	Kishinev	78.55 353	i P	P	02 47 34.8 -0.7
SGJ	San Juan	78.56 75	IAMS_20	IAMS_20	03 22 23.9
SGJ	San Juan	78.56 75	LR	LR	03 22 23.5
SGJ	San Juan	78.56 75	P	P	02 47 35.2 -0.7
SGJ	comp=Z,92nm,1.1s		pmax	pmax	
SGJ	comp=Z,6um,21.0s		MLR	MLR	
SHL	Shilong	78.58 298	IAMB	IAMB	02 47 50.0
SHL	Shilong comp=Z,286nm,1.1s				
SHL	Shilong SNR=32	78.58 298	P	P	02 47 35.3 -0.9
SHL	Shilong	78.58 298	eP	P	02 47 34.7 -1.5
SHL			IAMB	IAMB	02 47 37.1
MYLDM	Milestii Mici	78.63 353	i P	P	02 47 36.1 +0.2
MILM	Milestii Mici	78.63 353	i P	P	02 47 36.1 +0.2
ARSA	Arzberg	78.65 2	i P	P	02 47 36.7 +0.6
ARSA	comp=Z,63nm,0.7s,SNR=80				
ARSA	Arzberg comp=Z,94nm,0.9s	78.65 2	IAMB	IAMB	02 47 39.8
GOF	Gofitskoye	78.69 342	i P	P	02 47 36.1 -0.2
IGPR	InterUniversit comp=Z,144nm,1.1s	78.70 75	IAMB	IAMB	02 47 39.8
IGPR	comp=Z,5um,20.0s		IAMS_20	IAMS_20	03 22 35.6
FETA	Feichten	78.70 5	i P	P	02 47 37.0 +0.4
HUMP	Col San Antoni comp=Z,108nm,1.3s	78.70 75	IAMB	IAMB	02 47 39.7
HUMP	comp=Z,6um,20.0s		IAMS_20	IAMS_20	03 23 40.7
NE56	Odesa	78.70 351	i P	P	02 47 35.1 -1.2
MESR	Meseeni	78.71 357	i P	P	02 47 37.3 +0.9
ARCR	ARCALIA	78.72 356	i P	P	02 47 37.1 +0.6
HNLV	HANLEY	78.74 312	eP	P	02 47 37.4 0.0
MPLH	Magyarpolny	78.76 1	i P	P	02 47 37.4 +0.8
KBA	Koelnbrunn comp=Z,548nm,1.5s,comp=Z,7um comp=Z,339nm,1.1s,SNR=17	78.76 4	i P	P	02 47 37.9 +1.0
FAKI	Fak Fak comp=Z,124nm,1.0s	78.79 249	IAMB	IAMB	02 47 41.5
FAKI	Fak Fak	78.79 249	P	P	02 47 38.3 +1.1
FAKI	Fak Fak comp=Z,127nm,1.0s,comp=Z,3um,comp=Z,6um	78.79 249	P	P	02 47 39.0 +1.8
GTK	Tadong	78.80 301	eP	P	02 47 37.4 0.0
DAVOX	Davos/Dischmat	78.89 6	LR	LR	03 23 32.1
DAVOX	Davos/Dischmat comp=Z,2um,20.7s,baz=20,slow=36				
PURM	Purcar	78.94 352	i P	P	02 47 38.7 +1.1
PURM	Purcar	78.94 352	i P	P	02 47 37.4 -0.2
ABTA	Abfaltersbach comp=Z,260nm,1.2s,comp=Z,4um comp=Z,11nm,1.1s,SNR=51	78.97 6	i P	P	02 47 39.1 +0.7
CBRR	Cluj-Babes-Bol	79.07 356	i P	P	02 47 38.3 0.0
FOURN	Ofenpass-Fuorn	79.07 6	IAMB	IAMB	02 47 43.3
DRGR	DRGR	79.08 357	i P	P	02 47 38.3 -0.3
DRGR	DRGR	79.08 357	i P	P	02 47 38.2 -0.3
CJR	Cluj-Napoca	79.12 356	i P	P	02 47 39.0 +0.3
CJR	Cluj-Napoca	79.12 356	i P	P	02 47 39.0 +0.3
SENIN	Lac Senin/Sane	79.12 8	IAMB	IAMB	02 47 46.3
TUE	Stuetta	79.17 6	IAMB	IAMB	02 47 42.9
TUE	Stuetta comp=Z,330nm,1.9s,comp=Z,6um	79.17 6	P	P	02 47 39.6 +0.5
MARR	Marrisi-Cluj	79.18 357	i P	P	02 47 39.1 0.0
TESR	Tescani	79.18 357	i P	P	02 47 39.6 +0.6
TESR	Tescani	79.18 354	P	P	02 47 38.3 -0.7
SOKA	Soboth comp=Z,222nm,1.3s,SNR=128	79.22 3	i P	P	02 47 40.1 +0.8
MYKA	Terra Mystica comp=Z,37nm,0.6s,SNR=47	79.22 3	i P	P	02 47 39.9 +0.6
PERS	Pernice	79.26 2	i P	P	02 47 39.5 +0.1
PERS			i	P	02 47 41.6
PERS			i	P	02 47 44.4
PERS	comp=Z,134nm,0.7s				
TGMTR	Targu Mures	79.27 356	i P	P	02 57 38.9 +2.3
EMBD	Embd, Mattered	79.31 7	P	P	02 47 40.5 +1.0
BIR	Birad	79.34 354	i P	P	02 47 42.9 +3.0
BIR	Birad	79.36 354	i P	P	02 47 40.2 +0.3
OBKA	Obir comp=Z,127nm,0.6s,SNR=122	79.37 3	i P	P	02 47 40.4 +0.3
OBKA	Obir	79.37 3	i P	P	02 47 40.4 +0.3
OBKA	Obir	79.37 3	i P	P	02 47 40.4 +0.3
UBET	Baraj Valea Uz	79.43 281	P	P	02 47 41.4 +0.6
BEHE	Becsehely	79.45 1	P	P	02 47 41.1 +0.3
BEHE			IAMB	IAMB	02 47 40.5 0.0
BEHE			IAMB	IAMB	02 47 44.3
LABN	Labinsk	79.48 344	eP	P	02 47 42.3 +1.7
LABN			eS	S	02 47 55.8
LABN			eS	S	02 57 45.6 +6.6
LABN	comp=Z,336nm,1.5s		pmax	pmax	
LABN			pmax	pmax	
MMK	Matrkam	79.49 7	P	P	02 47 42.3 +1.3
CIMO	Cimolais	79.49 4	IAMB	IAMB	02 47 43.1
CIMO	comp=Z,4um,22.0s		IAMS_20	IAMS_20	03 27 45.9

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GHRR	79.58 354	i P	P	02 47 41.5 +0.4	
GHRR	79.58 354	i P	P	02 47 41.2 +0.1	
SIRR	Siria	79.63 358	i P	P	02 47 41.4 -0.1
AZUL	79.64 355	i P	P	02 47 41.9 +0.4	
ALZ	Aizawl	79.65 296	eP	P	02 47 41.5 -0.5
MDB	Medias	79.65 356	i P	P	02 47 42.9 +1.3
MDB	Medias	79.66 356	i P	P	02 47 42.9 +1.3
TURR	Turia	79.67 355	i P	P	02 47 42.6 +0.9
VARL	Varezi	79.71 353	i P	P	02 47 43.0 +1.1
MORH	Mirgy, Hungar	79.72 360	i P	P	02 47 41.5 -0.3
MORH	Mirgy, Hungar	79.72 360	i P	P	02 47 41.8 -0.1
CTI	Castel Tesino comp=Z,143nm,1.3s	79.72 5	IAMB	IAMB	02 47 45.4
VLDR	Vladesti	79.75 353	i P	P	02 47 42.0 -0.1
PANC	Pancsova	79.75 354	i P	P	02 47 42.7 +0.4
DOPR	Dopca	79.79 355	i P	P	02 47 42.9 +0.5
COSR	Cosmesti PH	79.79 354	i P	P	02 47 43.3 +1.0
KVAR	Kislovodsk Arr	79.82 342	LR	LR	03 29 00.6
KVAR	comp=Z,4um,19.0s,baz=266,slow=40				
ANN	Anapa	79.82 346	e	S	02 47 41.8 -0.6
ANN			eS	S	02 47 52.8
ANN			eS	S	02 57 40.4 -2.0
ANN			pmax	pmax	
ANN	comp=Z,204nm,1.3s		pmax	pmax	
ANN	comp=N,50nm,1.4s		pmax	pmax	
ANN	comp=E,23nm,1.3s		MLR	MLR	
ANN	comp=Z,3um,19.0s		MLR	MLR	
ANN	comp=E,2um,20.0s		MLR	MLR	
ANN	comp=N,6um,20.0s		MLR	MLR	
KIV	Kislovodsk	79.82 342	P	P	02 47 42.2 -0.4
KIV	Kislovodsk	79.82 342	P	P	02 47 42.5 0.0
KIV	Kislovodsk	79.82 342	i P	P	02 47 42.5 0.0
KIV	Kislovodsk	79.82 342	i P	P	02 47 42.7 +0.1
KIV	Kislovodsk	79.82 342	i P	P	02 47 42.6 0.0
KIV	Kislovodsk	79.82 342	i P	P	02 47 42.6 0.0
KIV	Kislovodsk	79.82 342	i P	P	02 47 42.7 +0.1
VRI	Vrincioia	79.82 354	i P	P	02 47 42.2 -0.3
VRI	Vrincioia	79.82 354	i P	P	02 47 42.1 -0.3
VRI	Vrincioia	79.82 354	i P	P	02 47 42.0 -0.5
LJU	Ljubjana	79.83 3	i P	P	02 47 42.0 -0.5
LJU			eS	S	02 47 43.8
LJU			eS	S	02 57 40.3 +0.3
PLOR3	Plostina Array	79.84 354	i P	P	02 47 42.5 -0.1
PLOR	Plostina comp=Z,121nm,1.6s,comp=Z,3um	79.84 354	i P	P	02 47 42.5 -0.2
PLOR	Plostina	79.84 354	i P	P	02 47 42.4 -0.2
MAK	Makhachkala	79.84 339	eP	P	02 47 41.9 -0.7
MAK			eS	S	02 50 42.9
MAK			eS	S	02 57 41.4 -1.4
MAK			eSS	SS	02 52 52.5 +1.6
DOSS	Dosso del Sornim	79.86 5	P	P	02 47 42.3 -0.6
SABO	M.te Sabotino comp=Z,128nm,1.1s	79.87 3	IAMB	IAMB	02 47 45.3
SABO	comp=Z,4um,20.0s		IAMS_20	IAMS_20	03 29 06.7
COVR	Voineasa-Covas	79.87 354	i P	P	02 47 43.3 +0.5
ODBI	Odobesti	79.90 354	i P	P	02 47 43.8 +1.0
ODBI	Odobesti	79.90 354	i P	P	02 47 43.7 +0.8
SSB	Saint Sauveur comp=Z,57nm,0.8s,comp=Z,91nm	79.95 10	IAMB	IAMB	02 47 46.5
MYLDM	Lahad Datu comp=Z,130nm,1.5s	79.95 265	IAMS_20	IAMS_20	03 15 57.3
MYLDM	Lahad Datu comp=Z,158nm,2.0s	79.95 265	P	P	02 47 45.6 +2.0
DEV	Deva	79.98 357	i P	P	02 47 43.8 +0.5
DEV	Deva	79.98 357	i P	P	02 47 43.8 +0.5
KBZ	Khabaz	80.00 342	eP	P	02 47 43.3 -0.1
KBZ	comp=Z,158nm,1.0s,baz=396,slow=5.5,SNR=67		LR	LR	03 28 54.8
KBZ	Khabaz	80.00 342	eP	P	02 47 44.2 +0.8
TATR	Tatarca	80.00 353	i P	P	02 47 43.6 +0.2
SLCR	Slobozia Conac	80.03 353	i P	P	02 47 43.4 -0.1
TUDR	80.03 353	i			

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SZH	Strazhitsa	82.45	354	i	P	SKSac	02 58 14.1	-0.3
PRD	Provadia	82.47	353	i	P	P	02 47 58.1	+1.5
PRD	Provadia	82.47	353	i	P	SKSac	02 58 11.1	-3.3
MPEP	Malo Peshtene	82.47	356	i	P	P	02 47 56.6	0.0
MPEP	Malo Peshtene	82.47	356	i	P	SKSac	02 58 11.1	-3.4
ABD	La Jolie An	82.49	72	I	AMs_20	IAMs_20	03 27 21.8	
GDHS	Morne Mazeau,	82.50	73	I	AMs_20	IAMs_20	03 24 18.8	
LUIW	Luwuk	82.54	258	P	P	P	02 47 54.9	-2.4
LUIW	Luwuk	82.54	258	P	P	P	02 47 57.6	-0.6
LUIW	Luwuk	82.54	258	P	P	P	02 47 57.5	+0.2
PVIS	Visou	82.56	20	e	P	P	02 47 58.1	+0.9
EJON	La Jonquera	82.57	12	P	P	P	02 47 58.3	+1.1
COEN	Coen	82.61	234	P	P	P	02 47 58.3	+0.8
PVL	Pavlikeni	82.64	355	i	P	P	02 47 59.2	+1.7
PVL	Pavlikeni	82.64	355	i	P	SKSac	02 58 13.2	-2.4
SJES	Sjenica	82.66	359	i	P	P	02 47 58.2	+0.5
CBE	Ff, Capester	82.75	73	I	AMs_20	IAMs_20	03 24 25.8	
FDMO	Fiordimonte	82.79	4	I	Amb	Iamb	02 48 05.5	
ELND	Elena	82.80	355	i	P	P	02 47 58.3	0.0
GDSD	La Desirade Is	82.85	72	I	Amb	Iamb	02 48 01.8	
GDSD	comp-Z,170nm,1.1s							
TDBA	Terre de Bas,	82.91	73	P	P	P	02 47 59.3	+0.1
MTE	Manteigas	82.93	20	I	AMs_20	IAMs_20	03 26 10.0	
MTE	Manteigas	82.93	20	e	P	P	02 48 00.1	+1.0
MTE	comp-Z,365nm,1.4s							
MTE	Manteigas	82.93	20	e	S	SKSac	02 58 19.0	+1.2
MTE	Manteigas	82.93	20	e	LQ	LQ	03 12 24.0	
MTE	comp-Z,202nm,1.5s							
MTE	Manteigas	82.93	20	e	LR	LR	03 26 33.8	
MTE	Manteigas	82.93	20	e	P	P	02 48 01.7	+2.6
COI	Coimbra	82.94	20	I	AMs_20	IAMs_20	03 25 22.3	
COI	Coimbra	82.94	20	e	P	P	02 48 01.4	+2.3
COI	comp-Z,670nm,1.4s							
NRCA	Norcia	82.99	4	I	Amb	Iamb	02 48 03.0	
MAGL	Barre de l'ile	83.03	72	I	AMs_20	IAMs_20	03 24 32.2	
BRY	Bratogost	83.03	360	i	P	P	02 47 59.2	-0.5
BZK	Bozkurt	83.05	348	i	P	P	02 47 59.3	+0.2
STON	Ston	83.06	1	i	P	P	02 47 58.1	-0.9
APSI	Ampana	83.07	259	P	P	P	02 48 01.0	+1.0
PCAS	Casimiro, Conde	83.08	21	e	P	P	02 47 59.6	-0.2
PCAS	comp-Z,547nm,1.5s							
BOK	Bokaro	83.08	302	e	P	P	02 47 59.7	-0.4
BOK	comp-Z,95nm,1.1s							
GNI	Garni	83.11	340	P	P	P	02 48 01.0	+0.8
GNI	Garni	83.11	340	P	P	P	02 48 01.4	+1.2
GNI	Garni	83.11	340	LR	LR	LR	03 29 21.9	
GNI	Garni	83.11	340	P	S	SKSac	02 48 01.8	+1.6
GNI	Garni	83.11	340	P	S	SKSac	02 48 01.1	-1.0
GNI	Garni	83.11	340	P	pmax	pmax	02 48 01.0	+0.8
GNI	comp-Z,224nm,1.2s							
GNI	Garni	83.11	340	P	MLR	MLR	02 48 01.3	+1.1
CESX	Cesi	83.19	4	I	Amb	Iamb	02 48 03.2	
JMB	Jambol	83.19	354	i	P	P	02 48 02.3	+2.0
KTUT	Ktutob	83.20	344	i	P	P	02 48 00.4	0.0
DKM	Dikmen	83.20	347	i	P	P	02 48 01.2	+0.8
DKM	Dikmen	83.20	347	i	P	P	02 48 01.5	+1.1
TREB	Trebinje	83.22	0	i	P	P	02 47 59.5	-1.0
VTS	Vitosha	83.23	356	i	P	P	02 48 02.1	+1.4
VTS	Vitosha	83.23	356	e	P	SKSac	02 58 34.5	+1.5
PGB	Panagyurishte	83.29	356	i	P	P	02 48 02.6	+1.7
PLNA	Plana	83.38	356	i	P	P	02 47 56.6	-4.8
SDV	Santo Domingo	83.38	84	I	Amb	Iamb	02 48 01.1	-0.8
SDV	comp-Z,124nm,1.4s							
SDV	Santo Domingo	83.38	84	I	AMs_20	IAMs_20	03 26 13.5	
SDV	Santo Domingo	83.38	84	I	LR	LR	03 26 24.3	
SDV	comp-Z,204.5,baz=339,slow=37							
SDV	Santo Domingo	83.38	84	e	P	P	02 48 01.6	-0.4
HCY	Herceg Novi	83.48	360	i	P	P	02 48 00.7	-1.2
PCBR	Castelo Branco	83.49	20	e	P	P	02 48 02.6	+0.7
PCBR	comp-Z,256nm,1.4s							
PDG	Podgorica	83.50	359	I	AMs_20	IAMs_20	03 24 29.0	
PDG	Podgorica	83.50	359	i	P	P	02 48 00.8	-1.1
PDG	Podgorica	83.50	359	i	P	P	02 48 02.0	+0.1
SAUI	Saumlaki	83.53	247	P	P	P	02 48 07.4	+5.1
PSBE	So Bento	83.53	21	e	P	P	02 48 03.2	+1.0
PSBE	comp-Z,497nm,1.5s							
PLD	Plodiv	83.63	355	i	P	P	02 48 04.8	+2.2
PLD	Plodiv	83.63	355	i	P	SKSac	02 58 24.3	+2.2
SDM	Dimitrograd	83.69	355	i	P	P	02 48 05.4	+1.6
SRIT	SRIT	83.79	286	P	P	P	02 48 03.4	-0.4
ALBI	Allahabad	83.79	306	e	P	P	02 48 02.3	-1.4
ALBI	comp-Z,82nm,0.6s							
UCM	Universidad Co	83.80	17	P	P	P	02 48 03.7	+0.1
KUDL	Kundal	83.81	311	e	P	P	02 48 03.0	-0.7
KUDL	comp-Z,77nm,0.7s							
INTR	Introdacqua	83.84	3	I	Amb	Iamb	02 48 07.9	
PUK	Puka	83.88	359	I	AMs_20	IAMs_20	03 26 07.1	
PMRV	Marv???	83.90	20	e	P	P	02 48 05.6	+1.5
PMRV	Marv???	83.90	20	e	A	A	02 48 08.3	
PMRV	Marv???	83.90	20	e	S	SKSac	02 58 26.1	+1.3
PMRV	Marv???	83.90	20	e	LQ	LQ	03 10 27.2	
PMRV	Marv???	83.90	20	e	LR	LR	03 05 07.1	
PMRV	Marv???	83.90	20	e	LR	LR	03 24 44.0	
PDG	Karadeniz Ereo	83.97	350	i	P	P	02 48 04.6	+0.2
PMAR	Matra	83.97	21	P	P	P	02 48 05.1	+0.7
KNTI	Khunti	84.00	302	e	P	P	02 48 03.1	-1.0
KKB	Krupnik	84.01	356	i	P	P	02 48 06.7	+2.1
KKB	Krupnik	84.01	356	i	P	SKSac	02 58 26.9	+2.3
KOPT	Kop Dag	84.02	343	I	AMs_20	IAMs_20	03 31 01.4	
PEHC	Pechevo	84.08	357	i	P	P	02 48 05.2	+0.2
PMTG	Montargil	84.08	21	e	P	P	02 48 06.1	+1.2
PMTG	comp-Z,189nm,1.4s							
CTYL	Yalikoy Yolu	84.08	353	P	P	P	02 48 05.3	+0.4
KRNZ	Rozhen	84.08	355	i	P	P	02 48 06.8	+1.6
FDL	Fort de France	84.09	73	I	AMs_20	IAMs_20	03 24 56.3	
PCI	Palu	84.11	260	P	P	P	02 48 05.9	+0.5
KDZ	Kurdzhali	84.22	355	i	P	P	02 48 06.5	+1.4
KDZ	Kurdzhali	84.22	355	i	P	SKSac	02 58 27.3	+1.9
LIS	Lisbon	84.22	21	e	P	P	02 48 06.9	+1.2
LIS	comp-Z,451nm,1.4s							
LIS	Lisbon	84.22	21	e	P	P	02 48 05.4	-0.2
LIS	Lisbon	84.22	21	e	e	SKSac	02 58 26.1	0.0
LIS	comp-Z,10um,17.8s							
PACT	Alcochete	84.24	21	e	P	P	02 48 06.8	+1.1
PACT	comp-Z,536nm,1.4s							
KLYT	Kilyov	84.25	352	P	P	P	02 48 06.6	+0.9
MMB	Musomishta	84.28	356	i	P	P	02 48 07.1	+1.1
MMB	Musomishta	84.28	356	e	P	SKSac	02 58 29.8	+3.3
ESDC	Sonsec Array	84.30	17	P	P	P	02 48 06.1	0.0
ESDC	comp-Z,65nm,0.9s,baz=343,slow=5.0,SNR=107							

ESDC	comp-Z,1.0nm,1.0s,baz=159,slow=0.5,SNR=6.7							
BIM	comp-Z,4um,21.1s,baz=350,slow=37							
TOKA	Tokat	84.31	73	I	AMs_20	IAMs_20	03 25 13.2	
PAB	San Pablo	84.34	346	I	AMs_20	IAMs_20	03 30 00.7	
PAB	San Pablo	84.36	18	P	Iamb	Iamb	02 48 06.3	-0.2
PAB	San Pablo	84.36	18	I	AMs_20	IAMs_20	03 26 56.6	
PAB	San Pablo	84.36	18	P	pmax	pmax	02 48 06.3	-0.2
PAB	comp-Z,60nm,1.1s							
PAB	San Pablo	84.36	18	I	AMs_20	IAMs_20	03 26 56.6	
PAB	San Pablo	84.36	18	P	pmax	pmax	02 48 06.3	-0.2
PAB	comp-Z,60nm,1.1s							
PAB	San Pablo	84.36	18	I	AMs_20	IAMs_20	03 26 56.6	
PAB	San Pablo	84.36	18	P	pmax	pmax	02 48 06.3	-0.2
PAB	comp-Z,60nm,1.1s							
PAB	San Pablo	84.36	18	I	AMs_20	IAMs_20	03 26 56.6	
PAB	San Pablo	84.36	18	P	pmax	pmax	02 48 06.3	-0.2
PAB	comp-Z,60nm,1.1s							
PAB	San Pablo	84.36	18	I	AMs_20	IAMs_20	03 26 56.6	
PAB	San Pablo	84.36	18	P	pmax	pmax	02 48 06.3	-0.2
PAB	comp-Z,60nm,1.1s							
PAB	San Pablo	84.36	18	I	AMs_20	IAMs_20	03 26 56.6	
PAB	San Pablo	84.36	18	P	pmax	pmax	02 48 06.3	-0.2
PAB	comp-Z,60nm,1.1s							
PAB	San Pablo	84.36	18	I	AMs_20	IAMs_20	03 26 56.6	
PAB	San Pablo	84.36	18	P	pmax	pmax	02 48 06.3	-0.2
PAB	comp-Z,60nm,1.1s							
PAB	San Pablo	84.36	18	I	AMs_20	IAMs_20	03 26 56.6	
PAB	San Pablo	84.36	18	P	pmax	pmax	02 48 06.3	-0.2
PAB	comp-Z,60nm,1.1s							
PAB	San Pablo	84.36	18	I	AMs_20	IAMs_20	03 26 56.6	
PAB	San Pablo	84.36	18	P	pmax	pmax	02 48 06.3	-0.2
PAB	comp-Z,60nm,1.1s							
PAB	San Pablo	84.36	18	I	AMs_20	IAMs_20	03 26 56.6	
PAB	San Pablo	84.36	18	P	pmax	pmax	02 48 06.3	-0.2
PAB	comp-Z,60nm,1.1s							
PAB	San Pablo	84.36	18	I	AMs_20	IAMs_20	03 26 56.6	
PAB	San Pablo	84.36	18	P	pmax	pmax	02 48 06.3	-0.2
PAB	comp-Z,60nm,1.1s							
PAB	San Pablo	84.36	18	I	AMs_20	IAMs_20	03 26 56.6	
PAB	San Pablo	84.36	18	P	pmax	pmax	02 48 06.3	-0.2
PAB	comp-Z,60nm,1.1s							
PAB	San Pablo	84.36	18	I	AMs_20	IAMs_20	03 26 56.6	
PAB	San Pablo	84.36	18	P	pmax	pmax	02 48 06.3	-0.2
PAB	comp-Z,60nm,1.1s							
PAB	San Pablo	84.36	18	I	AMs_20	IAMs_20	03 26 56.6	
PAB	San Pablo	84.36	18	P	pmax	pmax	02 48 06.3	-0.2
PAB	comp-Z,60nm,1.1s							
PAB	San Pablo	84.36	18	I	AMs_20	IAMs_20	03 26 56.6	
PAB	San Pablo	84.36	18	P	pmax	pmax	02 48 06.3	-0.2
PAB	comp-Z,60nm,1.1s							

2045

Table with columns: Call sign, Name, Frequency, Mode, Power, Azimuth, Elevation, etc. Includes stations like LHMI, NGCH, RPN, KBD, JASK, QLP, etc.

2018 DEC

Table with columns: Call sign, Name, Frequency, Mode, Power, Azimuth, Elevation, etc. Includes stations like KHZ, MACA, MACA, STKA, STKA, etc.

31d 2h

Table with columns: Call sign, Name, Frequency, Mode, Power, Azimuth, Elevation, etc. Includes stations like PAF, PAF, KGCAE, etc.

2047

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like MSVF Nonsavu, FUTU Fugatoga, NIUE Niue, etc.

IDC 31 03:28:47.7 ± 1.2, 61.38N, 150.39W, h48km, 13km, mb3.5/16, mbtmp3.7/21, ML3.5/5, Error ellipse: s-maj=14.6km s-min=9.3km az=106.0

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like FIS Fire Island, SUA Susitna One, RC01 Rabbit Creek A, etc.

2018 DEC

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like O22K Cooper Landing, SPCG Spurr Capps Gl, SPU Mount Spurr, etc.

31d 3h

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like SVW2 Sparrevohn, SVW2 Sparrevohn, CHUM Lake Minchumin, etc.

31d 4h

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Moose Creek, Porcupine Dome, Nushagak River, etc.

2018 DEC

ISC 31 04:00:43.7, 0.9, 38.81N; 0.05:141.68E; 0.07, h75km, gkm, n28, c086/33, mb3.6/8, 4D, Near east coast of eastern Honshu

Main table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Lists various seismic stations and their data points.

2048

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Karatay Array, Medeo, Kurchatov Arr, etc.

JMA 31 04:00:44.0, 0.1, 38.8N; 0.2:141.6E; 0.4, h73km, MV3.6/33, NORTHERN MIYAGI PREF

JMA Felt 1, J1 at NORTHERN MIYAGI PREF. IDC 31 04:00:44.3, 2.2, 38.86N; 141.67E, h82km, 19km, mb3.3/8, mbtmp3.6/12, Error ellipse: s-maj=22.8km s-min=14.5km az=109.0

IDC 31 04:16:56.4, 1.3, 61.42N; 150.48W, h44km, 14km, mb3.6/16, mbtmp3.7/21, ML3.3/5, Error ellipse: s-maj=18.5km s-min=9.2km az=113.0

NEIC 31 04:16:57.9, 1.2, 61.44N; 0.02:149.99W; 0.05, h44km, 3km, Error ellipse: s-maj=3.9km s-min=3.2km az=182.0

2049

Table of station data for 2049, including columns for call sign, frequency, power, and other technical details.

2018 DEC

Table of station data for 2018 DEC, including columns for call sign, frequency, power, and other technical details.

31d 4h

Table of station data for 31d 4h, including columns for call sign, frequency, power, and other technical details.

ICD 31/04:18:02.1+1.1, 21.98Sx169.17E, h0km, mb4.0/10, mbmp4.0/10, Error ellipse: s-maj=30.3km s-min=2.45km az=68.0

NEIC 31/04:18:05.5+1.4, 22.3S:0.1x169.03E:0.08, h10km, 1km, mb4.6/11, Error ellipse: s-maj=20.0km s-min=12.3km az=342

ISC 31/04:18:07.3-0.6, 22.1S:0.1x169.03E:0.09, h31km, m51, o=82/51, mb4.3/17, 4D, Southeast of Loyalty Islands

Table of station data for the bottom section of the 31d 4h table, including columns for code, station name, frequency, and other details.

31d 4h

Table listing radio stations with columns for call sign, name, frequency, power, and other technical details. Includes stations like Warramunga Arr, Warramunga Arr, Warramunga Arr, etc.

IDC 31 04:27:10.4,0.8, 11.51N, 127.60E, h0km, mb3,9/12, mbmp3,9/12, Error ellipse: s-maj=44.4km s-min=16.6km az=75.0

ISC 31 04:27:15.7,0.8, 11.51N, 127.60E, 0.3, h35km, n12, 0.095/14, mb3.7/12, Phillipine Islands region

Table listing radio stations with columns for call sign, name, frequency, power, and other technical details. Includes stations like Koresay Area, Matushiro Arr, Warramunga Arr, etc.

IDC 31 04:40:35.0,0.6, 23.37N, 143.46E, h0km, mb4,0/21, mbmp4,0/23, ML3.4/2, MS4.4/1, Error ellipse: s-maj=22.4km s-min=14.5km az=78.0

NEIC 31 04:40:36.4,1.4, 23.5N, 0.1:143.80E:0.09, h10km, 1km, mb4,6/19, Error ellipse: s-maj=17.2km s-min=13.4km az=172.0

ISC 31 04:40:1.0,0.6, 23.44N, 143.5E, 0.1, h31km, n53, 0.098/48, mb4.2/20, Volcano Islands region

Table listing radio stations with columns for call sign, name, frequency, power, and other technical details. Includes stations like Chichijima, Monobe, Matushiro Arr, etc.

2018 DEC

Table listing radio stations with columns for call sign, name, frequency, power, and other technical details. Includes stations like Warramunga Arr, Warramunga Arr, Warramunga Arr, etc.

SJA 31 04:42:53.9,1.1, 25.22S, 68.65W, h80km, ML3.2, MW3.6, Chile-Argentina border region

Table listing radio stations with columns for call sign, name, frequency, power, and other technical details. Includes stations like Pan de Azucar, IPOC Station P, etc.

GUC 31 04:44:15.3,0.8, 21.59S, 68.45W, h122km, 6km, ML3.4

IDC 31 04:44:27.8,2.1, 20.47S, 67.98W, h213km, 126km, mb3, 1/2, mbmp3,5/3, Error ellipse: s-maj=31.1km s-min=56.6km az=21.0

ISC 31 04:44:14.6,1.0, 21.58S, 68.66W, 0.1, h133km, 9km, n15, 0.048/24, Chile-Bolivia border region

Table listing radio stations with columns for call sign, name, frequency, power, and other technical details. Includes stations like IPOC Station P, IPOC Station P, etc.

2050

Table listing radio stations with columns for call sign, name, frequency, power, and other technical details. Includes stations like Porangahau, Havelock North, Waipukurau, etc.

GUC 31 04:44:15.3,0.8, 21.59S, 68.45W, h122km, 6km, ML3.4

IDC 31 04:44:27.8,2.1, 20.47S, 67.98W, h213km, 126km, mb3, 1/2, mbmp3,5/3, Error ellipse: s-maj=31.1km s-min=56.6km az=21.0

ISC 31 04:44:14.6,1.0, 21.58S, 68.66W, 0.1, h133km, 9km, n15, 0.048/24, Chile-Bolivia border region

Table listing radio stations with columns for call sign, name, frequency, power, and other technical details. Includes stations like IPOC Station P, IPOC Station P, etc.

Table with columns: PB12, PB12, comp=N, LPAZ, TORO, YKA, MKAR. Includes station names, frequencies, and coordinates.

IDC 31 05:02:02.5:1.1, 55.04N:162.23E, h0km, mb3.5/7, mbmp3.5/8, ML2.6/1, Error ellipse: s-maj=33.3km, s-min=23.2km az=154.0

KRSC 31 05:02:05.0:1.3, 54.75N:162.21E, h11km, 45km, ML3.8

ISC 31 05:02:03.8:0.8, 54.78N:162.28E:0.07, h10km, n35, z2506/38, mb3.6/7, Near east coast of Kamchatka

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

VAO 31 05:11:09.2:3.9, 23.84S:69.08W, h105km, 17km, mb4.3, SJA 31 05:11:35.4:0.7, 24.04S:66.80W, h222km, 5km, ML3.9, MW3.8

NEIC 31 05:11:36.4:2.3, 24.06S:66.83W:0.07, h196km, 7km, mb4.1/32, Error ellipse: s-maj=10.4km s-min=5.6km az=118.0

IDC 31 05:11:37.1:2.0, 23.92S:66.74W, h198km, 19km, mb3.4/10, mbmp3.9/14, Error ellipse: s-maj=19.3km s-min=12.8km az=63.0

GUC 31 05:11:38.1:0.6, 24.02S:67.13W, h223km, 11km, ML4.1

ISC 31 05:11:36.4:0.6, 24.02S:66.90W:0.04, h199km, 6km, n127, r122/157, mb4.0/22, 6k, Salta Province

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

Table with columns: PB04, PB01, PB01, PB01, PB01, PB01, PB01, AC01, AC01, AC01, AC01, AC01, PB08, PB08, PB08, PB08, PB08, AC06, TA01, TA01, TA01, TA01, TA01, TA02, GO01, GO01, GO01, GO01, GO01, YCA, AC04, AC04, PB02, PB01, PB01, PB01, LPAZ, LPAZ, CO06, MUR1, CPUP, VA03, BO04, BO04, BO04, PTLB, PTLB, BO02, RPRD, BI02, PTGB, CPBS, ITAB, PLTB, VA04, LDASE, TRQA, ITRB, GO06, GO06, LR03, ARAC, PLCA, PLCA, VAO, VAO, VAO, IPMB, BDFB, BDFB, GO07, MTB, ATAH, ATAH, JANB, BOAV, BOAV, SNA, SNA, SNA, SNA, LRAL, LRAL, SWET, SWET, BRDY, BRDY, WVT, WVT, SAND, OZNA, OZNA, TXAR, TXAR, FCAR, FCAR, VHRN, VHRN, CCM, CCM, QSPA, QSPA, QSPA, S39A, R40A, R40A, DBIC, DBIC, DBIC, P38A, P38A, GGN, LMN, T2SA, SDCO, ECSD, TORO, TORO, TORO, PDAR, PDAR, ULM, ULM, ULM, ULM, ULM, BOSA, BOSA, BOSA

comp=Z, 184nm, 0.5s

comp=Z, 2.6nm, 0.5s, baz=167, slow=4.8, SNR=32

comp=Z, 3.6nm, 0.6s, baz=256, slow=17, SNR=6.2

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

comp=Z, 2.9nm, 0.8s, baz=228, slow=14, SNR=8.5

Table with columns: MAW, PLID, YKA, ASAR, WRA, ZALV, MKAR. Includes station names, frequencies, and coordinates.

IDC 31 05:22:12.9:0.9, 16.33S:168.17E, h0km, mb4.2/9, mbmp4.1/9, Error ellipse: s-maj=41.6km s-min=21.2km az=140.0

NOU 31 05:22:14.1, 16.21S:168.14E, h6km, MLV.4/11, Vanuatu Islands

NEIC 31 05:22:15.6:1.0, 16.37S:0.10:168.4E:0.2, h10km, 24km, mb4.7/11, Error ellipse: s-maj=31.1km s-min=16.7km az=65.0

ISC 31 05:22:15.0:0.7, 16.33S:0.1:168.2E:0.1, h10km, n28, z0993/27, mb4.4/15, Vanuatu Islands

Code, Station Name, Az, Az', Phase ID, Time, Res, ISC

VLAK Lakatoro, DVP Devils Point, KOUNC Koumac, New Ca, DZM Mont Dzumam, NOUC Port Laguerre, ONTNC Owen Toro, STKA Stephens Creek, STKA Stephens Creek

WB0 Warramunga Arr, WB0 Warramunga Arr, WB2 Warramunga Arr, WB2 Warramunga Arr

WRA Warramunga Arr, AS31 Alice Springs, AS31 Alice Springs

ASAR Alice Springs, BB00 Buckleboe, FITZ Fitzroy Crossi, PSA00 Pilbara Seismic, PSA00 Pilbara Seismic

QSPA South Pole Qui, QSPA South Pole Qui, QSPA South Pole Qui, QSPA South Pole Qui

SONM Songino Array, BELA Belgrano 2, BELA Belgrano 2

CAST Castle Rocks, J20K Nowinta River, IMAR Indian Mountain, NVAR Mina Array Bea

ILAR Eielson Array, PDAR Pinedale Array, YKA Yellowknife Arr

NEIC 31 05:39:00.3:1.2, 60.09N:0.02:152.83W:0.06, h117km, 4km, Error ellipse: s-maj=5.3km s-min=1.0km az=127.0

AEIC 31 05:39:01.8:1.0, 60.07N:0.04:152.84W:0.07, h109km, 4km, ML2.4, ML2.8/128(NEIC), Error ellipse: s-maj=15.7km s-min=5.0km az=200, Southern Alaska

Code, Station Name, Az, Az', Phase ID, Time, Res, ISC

IVE Iliamna Volcan, O20K Slope Mountain, O20K Slope Mountain, ILS Iliamna Low So

ILSW Iliamna Southw, RDWB Redoubt West, P19K Oil Pt, P19K Oil Pt

P19K Redoubt Jeurge, RDT Redoubt, HOM Homer, O19K Port Alsworth, O19K Port Alsworth

O19K Redoubt West, AUV Augustine West, CNPM China Poot, BRLL Bradley Lake

BRLL Bradley Lake, CAPN Captain Cook N, N19K Bonanza Creek, BRSE Bradley Lake S

CKL Chakachanna La, SPCR Spurr Chakacha, SPU Mount Spurr, SPU Mount Spurr

O18K Koktuh Hills, O18K Koktuh Hills, O19K Cape Douglas, Q19K Cape Douglas

Q19K Cape Douglas, SPCG Spurr Capps G, SLKM Skull Lake

SLKM Skull Lake, SYI Shuyak Island, SYI Shuyak Island

SYI Shuyak Island, SYI Shuyak Island

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31d 6h

Table of station data for 31d 6h, including columns for station name, coordinates, and various parameters like Pn, P, IAML, etc.

2018 DEC

Table of station data for 2018 DEC, including columns for station name, coordinates, and various parameters like Pn, P, IAML, etc.

2052

Table of station data for 2052, including columns for station name, coordinates, and various parameters like Pn, P, IAML, etc.

31d 7h

Table with 5 columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like S39A Bolivar and X40A Basin Creek Fa.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes stations like MKAR Makanchi Array and ZALV Zalesovo Beam.

NEIC 31 07:45:58.71.9, 15.919S, 0.08:73.30W, 0.06, h85km, 10km, mb4.1/11, Error ellipse: s-maj=14.0km s-min=4.0km az=210.0

ISC 31 07:46:02.3.1.8, 15.835S, 73.11W, h114km, 23km, mb3.5/3, mbtmp4.07, Error ellipse: s-maj=29.7km s-min=10.7km az=30.0

ISC 31 07:45:59.1.0.7, 15.995S, 0.07:73.24W, 0.08, h82km, n45, r1546, mb4.0/5, Southern Peru

Main table for the first section, listing station names, azimuths, elevations, and other parameters for various stations like Chacalluta, IPOC Station P, etc.

MOS 31 07:52:20.8.1.6, 39.04N, 20.64E, h13km, mb4.5/12, Error ellipse: s-maj=6.6km s-min=4.3km az=76.7

ISC 31 07:52:21.9.0.6, 39.18N, 20.92E, h0km, mb4.0/17, mbtmp3.928, ML3.9/9, MS3.0/9, Error ellipse: s-maj=12.1km s-min=11.4km az=120.0

NEIC 31 07:52:23.6.1.9, 39.16N, 0.05:20.92E, 0.05, h10km, 1km, mb4.4/56, Error ellipse: s-maj=8.0km s-min=7.0km az=190.0

TIR 31 07:52:24.3.39.23N, 20.89E, h45km, Md3.5, M4.3 THE 31 07:52:25.4.39.25N, 20.93E, h16km, ML3.9/8, Error ellipse: s-maj=1.0km s-min=0.4km az=254.0

BE0 31 07:52:25.1.0.5, 39.13N, 20.78E, h10km, ML4.2/5 ATH 31 07:52:25.5.39.24N, 20.93E, h18km, 1km, ML3.9/18, Error ellipse: s-maj=1.7km s-min=0.7km az=301.0

PDG 31 07:52:27.4.1.2, 39.31N, 20.95E, h33km, 1km, ML4.2/12, Error ellipse: s-maj=0.4km s-min=0.3km az=90.0

NAO 31 07:52:38.0.40.40N, 19.56E, h10km, mb3.7, ISC 31 07:52:24.3.0.9, 39.21N, 0.02:20.88E, 0.02, h16km, 6km, n364, r184/423, mb4.4/53, 39C-23D, Greece-Albania border region

Table with 5 columns: Code, Station Name, Azimuth, Elevation, and other parameters. Includes stations like TETR Tetrakomo, Epi, and various other stations.

2018 DEC

Main table for the second section, listing station names, azimuths, elevations, and other parameters for stations like JAN JAN, LK2D LK2D, etc.

2054

Main table for the third section, listing station names, azimuths, elevations, and other parameters for stations like HORT Tirane, TIR Tirane, etc.

2015

Table of station data for 2015, including columns for station name, coordinates, and other parameters. Stations listed include PLOA, VRI, VRI, VRI, etc.

2018 DEC

Table of station data for 2018 DEC, including columns for station name, coordinates, and other parameters. Stations listed include NAO01, NC405, NB201, etc.

31d 7h

Table of station data for 31d 7h, including columns for station name, coordinates, and other parameters. Stations listed include G31M, F28M, YKA, etc.

31d 9h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IPOC Station P, Mina Guanaco, Diego Aracena, etc.

2018 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like South Pole Qui, Raoul Island, Stephens Creek, etc.

2056

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BVAR Borovoye Array, BVAR, BRVK, BRVK, I46RU Zalesovo Beam, ZALV Zalesovo Beam, MK31 Makanchi Array, MK31, MKAR Makanchi Array, MKAR, MKAR.

RSNC 31 09:20:00.9, 0.8, 10.0 N5.6x6.7Wz, h0km, M3.0, mb4.2, mB5.1, ML3.0, Mw(m)B4.5

FUNV 31 09:20:10.6, 10.26N-68.11W, h5km, MW3.6, ISC 31 09:20:11.8, 1.2, 10.18N-0.06-68.10W, 0.03, h20km, 5.5km, n34, 09/14, Near coast of Venezuela

Main table for 2057 with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MAPV Macapo, MAPV, BENV Bein, BENV, TACV Tcata, TACV, TEPU Terepaima, TEPU, BAUV El Baul, BAUV, FUNV FUNVISNIS, FUNV, SDV Santo Domingo, SDV, CACV CAICARA DEL OR, CACV, SOCV Socops, SOCV, PCRV Puerto La Cruz, PCRV, URIC Uribia, Colomb, URIC, CAPV Capacho, CAPV, CRUC Carrejon, Guaj, CRUC, TAMC Tame, Arauca, TAMC, PAMC Pamplona, Colo, PAMC, OCAC Ocana, OCAC, BARC Barichara, BARC, RUSC La Rusia, RUSC, SJCC San Jacinto, C, SJCC, ZARC Zaragoza, Cauc, ZARC, PTBC PUERTO BERRIO, PTBC, SPBC San Pablo de B, SPBC, CHIC Chingaza, CHIC, LUEV Luepa, LUEV, SJG San Juan, SJG, ROSC El Rosal, ROSC, VILC Villavicencio, VILC, GUYC Guyana, Caldas, GUYC, CBOC Ciudad Bolivar, CBOC, URMC La Uribe, Meta, URMC, PRAC Prado, PRAC, ORTC Ortega, Tolima, ORTC, MACC Macarena, Meta, MACC, YOTC Yotoco, Valle, YOTC.

IDC 31 09:23:12.6, 1.0, 2.14N, 30.56W, h0km, mb3.9/10, mbtmp3.8/11, ML3.2/1, MS3.6/20, Error ellipse: s-maj=40.9km s-min=18.8km az=139.0

ISC 31 09:23:14.0, 0.8, 2.1N, 0.2, 30.5W, 0.2, h10km, n33, 0578/11, mb3.8/9, MS3.6/18, Central Mid-Atlantic Ridge

Main table for 2057 (continued) with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like RCBR Riachuelo, RCBR, BBTS Babate, BBTS, H10N3 ASCENSION HYDR6.78 122 T, H10N2 ASCENSION HYDR18.80 122 T, H10N1 ASCENSION HYDR18.81 122 T, H10S3 ASCENSION HYDR19.25 125 T, H10S2 ASCENSION HYDR19.27 125 T, MDP Montagnes des, MDP, BDFB Brasilia, BDFB, DBIC Dimbokro, DBIC, TORD Torodi Ar. Bea, TORD, CPUP Villa Florida, CPUP, CPUP, SJG San Juan, SJG, SDV Santo Domingo, SDV, LPAZ La Paz, LPAZ, LPAZ, ESDC Sonseca Array, ESDC, ATAH Atahualpa, ATAH, TSUM Tsumbe, TSUM, JTS Las Juntas de, JTS, PLCA Paso Flores, PLCA, TKL Tuckaleechee C, TKL, SADO Sadowa, SADO, LBTB Lobate, LBTB, EIL Clat, EIL.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KMBO Kilima Mbojo, BRTR Keskin Array, AKASG Malin Array Be, PDAR Piedatale Array, YKA Yellowknife Ar, PFO Pinyon Flats O, NVAR Mina Array Be, YBH Yreka Blue Hor, ILAR Piedatale Array.

NEIC 31 09:30:56.5, 0.7, 35.666N, 0.009-97.380W, 0.009, h5km, 14km, Error ellipse: s-maj=2.5km s-min=1.6km

NEIC 31 09:30:56.6, 0.5, 35.674N, 0.010-97.399W, 0.011, h6km, 2km, mb_Lg2.1/6, ML2.2/39, ML2.7/14, Error ellipse: s-maj=1.7km s-min=1.4km az=66.0, Oklahoma

Main table for 2018 DEC with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ADOK Arcadia Dam, OK00 Okadale, OK004 Okia Si Mus, BCOK Bluff Creek, N, BCOK, OKCSW OKLAHOMA CITY, OKCSW, OKCSW, OK031 S. Brethren Rd, OK031, OK031, OK031, W35A Tecumseh, W35A, W35A, QUOK Quay, QUOK, DEOK Dewep, DEOK, DEOK, OK051 E0350 and S346, CROK Carrier, CROK, CSTR Hydro, Custer, CSTR, BLOK Blackwell, BLOK, GC02 Grant County #, KAN13 South Haven SW, T35A Sooner Cattle, WNOK Wichita Mounta, KAN01 Argonia South, NOKA Wynoka, NOKA, SMDW Sarninwood, X40A Basin Creek Fa, CGM3 Cape Girardeau, SIUC Southern Illini.

KRSC 31 09:38:53.2, 0.9, 55.12N, 164.63E, h56km, 21km, M3.8, IDC 31 09:38:55.7, 2.7, 55.39N, 163.99E, h0km, mb3.1/2, mbtmp3.1/3, ML2.2/1, Error ellipse: s-maj=94.6km s-min=25.7km az=151.0

ISC 31 09:38:56.0, 0.9, 55.14N, 0.05-164.60E, 0.06, h27km, n24, 1163/25, Komandorski Islands region

Main table for 2018 DEC (continued) with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BKI Bering, KBTR Krotoberegovo, KBG Krotoberegovo, KLY Klyuchi, KIRR Kirishev, KMNR Kamenistaya, SRDR Sredinyi, SPN Mys Shipunski, ESO Esgo, NLC Nalychtchevo, KRX Arik, KOK Koryaka, DALK Dalny, GNL Ganaly, OSSR Ossora, OSSR, KRMR Karymshinskiy, PETK Petropavlovsk-, PETK, MTRV Mutenovka, MTRV, GRL Gorelyy, ILAR Eielson Array, H1N2 WAKE ISLAND Hy 35.40 176 T, H1N3 WAKE ISLAND Hy 35.41 176 T, H1N1 WAKE ISLAND Hy 35.41 176 T, MKAR Makanchi Array, IDC 31 09:42:04.5, 0.8, 7.58N, 36.24W, h0km, mb3.7/11, mbtmp3.8/13, ML3.3/2, MS3.4/23, Error ellipse: s-maj=26.5km s-min=17.3km az=137.0, ISC 31 09:42:06.0, 0.7, 7.5N, 0.1, 36.2W, 0.1, h15km, n34, 0590/13, mb3.6/11, MS3.5/21, Central Mid-Atlantic Ridge, RCBR Riachuelo, RCBR, RCBR, RCBR, MDP Montagnes des, MDP, MDP.

Main table for 31d 9h with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BBTS Babate, BDFB Brasilia, H10N3 ASCENSION HYDR6.48 125 T, H10N2 ASCENSION HYDR6.48 125 T, H10N1 ASCENSION HYDR6.50 125 T, H10S3 ASCENSION HYDR6.99 127 T, H10S2 ASCENSION HYDR27.01 127 T, SJG San Juan, TORD Torodi Ar. Bea, TORD, MDT Midelt, CPUP Villa Florida, LPAZ La Paz, LPAZ, ESDC Sonseca Array, ESDC, ATAH Atahualpa, SCHO Schefferville, VAE Valguarnera, DAVOX Davos/Dischmat, PLCA Paso Flores, VRAC Vranov, NOA NORAR Array B, HFS Hagfors, MLR Munleite Rosu, TXAR Lajitas Array, AKASG Malin Array Be, ANMO Albuqueque, BRTR Keskin Array B, EIL Elat, FINES FINES Array B, LPIG La Paz 48 293 LR, PDAR Piedatale Array, PDAR, YKA Yellowknife Ar, RPN Rapa Nui.

IDC 31 09:45:58.6, 49.0, 25.56N, 126.91E, h0km, mb3.5/4, mbtmp3.4/4, Error ellipse: s-maj=905.3km s-min=188.9km az=125.0

JMA 31 09:46:26.5, 0.4, 27.0N, 12.7E, h135km, 4km, MV3.5/23, NW OFF OKINAWAJIMA IS, ISC 31 09:46:25.2, 0.9, 27.04N, 0.08-126.67E, 0.07, h148km, 10km, n30, 1140/39, mb3.3/4, Northwest of Ryukyu Islands

Main table for 31d 9h (continued) with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JAGN Aguni-jima, JAGN, JKE Kume jima 2, JIH Iheya, JINTH Nagotoyohara, JNT3 Tamagusuku3, JOW Kunigami, JYO Yoronijima, JYFO Okinoerabujima, JOKE Tokunoshima, JATM Amanishishikomi, JAMN Miyako jima 2, JOGS Gusukube, JIMB Irajujima, JIM2 Miyako jima3, JAM Amami Oshima, JTK Tarama, JZK Kikaisaima, JMZ Minamidaito 2, JMZ Minamidaito 2, JKDJ Kitadaitoujima, YHNB Yehang, NACB Ninganchiao, SSSLB Suanglung, JIMJ Ta-pu, JINU Tausue, SONM Songino Array, MKAR Makanchi Array, ZALV Zalesovo Beam, KURBB Kurchatov Arra.

SSNC 31 09:50:43.7, 1.6, 18.36N, 72.63W, h7km, 11km, MD3.1, ML2.6

OSPL 31 09:50:44.5, 1.4, 18.53N, 72.58W, h0km, 7km, ML1.8, ISC 31 09:50:42.1, 1.5, 18.56N, 0.06-72.62W, 0.04, h5km, 12km, n13, 1193/26, Haiti region

Main table for 31d 9h (continued) with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PAPH Port-au-Prince, PAPH, PAPH, PAPH, PAPH Port-au-Prince, PAPH, LONE3 El Aguacate, B, LONE3.

2059

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes entries like PMSA Palmer Station, CMAR Chiang Mai Arr, BOSA Boshof, etc.

BGR 31 10:13:15.7, 17:42N:93:90W, h33km, mb5.2
IDC 31 10:13:30.2, 0.5, 17:31N:93:75W, h173km, 4km, mb3.9/31,
mbmp4.4/33, Error ellipse: s-maj=10.6km s-min=7.6km
az=58.0

NEIC 31 10:13:30.5, 2.1, 17:29N:0:07:93:92W, 0.05, h166km, 5km,
s-min=6.7km az=197.0

MEX 31 10:13:31.8, 0.7, 17:17N:94:05W, h173km, 4km, MD4.9
CATAC 31 10:13:31.9, 0.5, 16:57N:94:12W, h143km, 1.1km, MB5.2,
mb4.8, ML5.1

GCG 31 10:13:54.6, 4.6, 16:30N:92:35W, h33km, 999km, MD4.8
ISC 31 10:13:29.6, 0.4, 17:18N:0:03:94:00W, 0.03, h176km, 4km,
n466, c2819/518, mb4.5/92, 9D, Chiapas

Main table for 2059 with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes entries like LXUV, CMIG, TGIG, etc.

2018 DEC

Main table for 2018 DEC with columns: RTAL, Station Name, Az, El, Phase ID, Time, Res. Includes entries like Retalhuleu, TXIG, HUIG, etc.

31d 10h

Main table for 31d 10h with columns: MMIG, Station Name, Az, El, Phase ID, Time, Res. Includes entries like MMIG, LNI, EZZV, etc.

31d 10h

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like O48B Farmland, GLA Glamis, P52A Corning, etc.

2018 DEC

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like SCRR Sand Creek, B102 San Fabin de, PAX Paxson, etc.

2060

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like F20K Avaraart Lake, G19K Purcell Moun, SUMG Summit, etc.

Table with columns: PRU, FINES, ABTA, CHVC, OSTC, MOC, DPC, OBKA, CONA, SOKA, RONA, OJVC, OJUC, TORO, AKASG, HHC, BOSA, STKA, PZH, WRA, WRA, WRA, ASAR, ASAR, ASAR, CMAR, CMAR, KAPI. Rows contain station names, coordinates, and other data.

NEIC 31 10:27:54.3, 1.4, 47.5N; 0.2:152.58E; 0.3, h127km, 15km, mb4.2/8, Error ellipse: s-maj=36.9km s-min=14.5km az=142.0
MOS 31 10:27:55.0, 1.6, 48.07N; 152.37E, h109km, mb4.1/10, Error ellipse: s-maj=12.6km s-min=8.2km az=71.5
SKHL 31 10:27:56.1, 0.5, 48.10N; 152.20E, h113km, 9km, mb4.6/3, msh5.2/4
IDC 31 10:27:58.4, 2.2, 47.77N; 152.42E, h140km, 17km, mb3.6/19, mbmp4.0/22, Error ellipse: s-maj=27.0km s-min=12.7km az=146.0
ISC 31 10:27:59.0, 0.8, 47.86N; 0.1:152.61E; 0.09, h117km, n86, r1944/83, mb4.0/27, 3C-5D, Kuril Islands

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

Table with columns: MK31, MKAR, KURK, KURB, BVAR, RES, BRVK, SPITS, CMAR, CMAR, ARTI, ARCES, ARCES, SUMG, FIJI, FINES, PDAR, NB2, NOA, NOA, HFS, KBZ, AKASG, BUR08, EKA, CLL, CLL, CLL, MRL, MRL, TXAR, GERES, BRTR, BRTR, H03N2, H03N1, H03N3, IDC, NEIC, AEIC, ISC. Rows contain station names, coordinates, and other data.

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

Table with columns: M22K, M22K, M22K, RDT, SKT, SKT, O22K, O22K, O22K, RDJH, RDJH, RDJH, RDWB, PMR, PMR, PMR, PMR, M20K, M20K, M20K, M20K, GHO, GHO, O20K, O20K, SEW, SEW, SEW, KNK, KNK, KNK, CUT, CUT, BRKL, BRKL, BRKL, BRLE, PWL, PWL, PWL, HOM, HOM, HOM, HOM, ILS, SML, SML, SML, CNPM, CNPM, CNPM, N19K, N19K, N19K, M23K, OPT, P19K, P19K, P19K, P19K, O19K, O19K, PPLA, PPLA, L20K, L20K, L20K, SCM, SCM, SCM, GLI, GLI, L19K, L19K, AUL, AUL, WAT1, P23K, P23K, P23K, WAT6, M18K, FID, CAST, CAST, N18K, O18K, O18K, TRF, TRF, TRF, TRF, HIN, HIN, HIN, KTH, KTH, KTH, RND, RND, RND, RND, KLU, KLU, KLU, M24K. Rows contain station names, coordinates, and other data.

31d 10h

Table with columns: ID, Name, Az, El, P, S, Res, Time, Res. Rows include M24K Tolsona, Glenn, SYI Shuyak Island, Q20K Shuyak Island, etc.

2018 DEC

Table with columns: ID, Name, Az, El, P, S, Res, Time, Res. Rows include J26L Joseph Creek, J26L Joseph Creek, H24K Noodor Dome, etc.

2062

Table with columns: ID, Name, Az, El, P, S, Res, Time, Res. Rows include TAVA DENIZLI_Tavas, TAVA Anoyia, DNIZ Denizli-Tavas, etc.

VAO 31 10:49:25.0, 3.32, 15S, 69.90W, h10km, mb5.4, MOS 31 10:49:39.9, 2.31, 181S, 69.25W, h109km, mb5.5/20, Error ellipse: s-maj=13.3km s-min=7.7km az=95.1, SJA 31 10:49:39.7, 0.7, 31.80S, 69.35W, h120km, mb5.4, MW5.1, GUC 31 10:49:40.8, 0.9, 31.80S, 69.74W, h136km, mb5.4, NEIC 31 10:49:41.2, 2.4, 31.78S, 69.23W, h108, h99km, mb5.6/33k, Mww5.3/39, Error ellipse: s-maj=10.1km s-min=6.9km az=88.0, IDC 31 10:49:41.4, 0.3, 31.80S, 69.31W, h113km, mb5.1/17, mbmp5.4/19, MS4.0/22, Error ellipse: s-maj=13.4km s-min=8.7km az=82.0, NEIC 31 10:49:41.4, 3.1, 78S, 69.26W, h80km, Moment Tensor Solution. Duration: 2s3 Moment tensor: Scale 10^17Nm; Min-1.04; Mxx0.01; Mxy1.04; Myx0.22; Mzz0.25; Fault plane solution: Mw1.2000x10^17 NP1: phi=185.68000°, delta=1.6000°, lambda=-112.81000°. NP2: phi=39.53000°, delta=11.000°, lambda=-64.28000°. Principal axes: T 1.2550, Plg4.0000°, Azm292.0000°; N -0.1102, Plg18.0000°, Azm200.0000°; P -1.1449, Plg72.0000°, Azm33.0000°. GCMT 31 10:49:42.4, 0.1, 31.84S, 69.35W, h1120km, MW5.3/26, Moment Tensor Solution. s16,c16S, s126,c20S, Duration: 1s1 Moment tensor: Scale 10^17 Nm; Min-0.96z: 01; Mxx0.07z: 02; Mxy0.88z: 02; Mz0.34z: 01; Mxx0.56z: 02; Mxy1.3z: 02; Best double couple: Mw1.14200x10^17 NP1: phi=48.0000°, delta=0.0000°, lambda=-61.0000°. NP2: phi=186.0000°, delta=0.0000°, lambda=-121.0000°. Principal axes: T 1.1780, Plg1.0000°, Azm117.0000°; N -0.0720, Plg22.0000°, Azm208.0000°; P -1.1060, Plg68.0000°, Azm24.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

Bul 31 10:49:42.3, 3.1, 84S, 69.70W, h116m, mb5.4/13, ISC 31 10:49:40.9, 0.2, 31.79S, 69.02W, h113km, mb5.1, h119km, mb5.8, e1345/65z, mb5.5/175, 31C-35D, San Juan Province

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res. Rows include STKA Stephens Creek, WRA Waramunga Arr, ASAR Alice Springs, FITZ Fitzroy Crossi, GSPA South Pole Qui, etc.

2063

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like ROCH El Roble, ROCH Cerro Caljn, ROCH CCHEN, etc.

2018 DEC

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like PB15 IPOC Station P, TRQA Torquist, TRQA San Pedro de A, etc.

31d 10h

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like RCBR Riachuelo, RCBR Riachuelo, RCBR Isla Barro Col, etc.

31d 10h

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like BRDY, SAND, TREL, TXAR, etc.

2018 DEC

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

2064

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

31d 12h

Table with columns: GUR, GOURA, GUR, AMT, OHR, OHR, VAY, VAY, VAY, ULC, ULC, DRME, DRME, DRME, BUM, BUM, PDG, PDG, PDG, PVY, PVY, MATE, CEME, CEME, HCY, HCY, HCY, IVA, KOM, KOM, ILM, NKME, NKME, TREB, SJES, SJES, PLE, PLE, APE, STON, RUDO, BBL, HAPS, IDI, MLR, MLR, MLR, MLR, NEHR, DOPR, BOJS, HARR, MARR, BISRR, COVR, OZUR, TURR, SPBR, PLOR, VRI, YGIR, CEY, TESR, SOKA, OBKA, OBKA, PSZ, PSZ, ARSA, MYKA, CONA, KBA, ABTA, MOA, BRTR, BIOA, LESA, WTAA, WATA, SOTA, FETA, MOTA, GERES, GERES, DAVOX, DAVOX, RETA, KHC, KHC, AKASG, AKASG, HFS, FINES, NB2, NOA, EKA, TORD, TORD

2018 DEC

Table with columns: MKAR, ASAR, IDC, NEIC, ISC, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC

2066

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like CHISAGUES BIEL, PYLO, CARA, etc.

HEL 31 12:29:58.5±0.1, 63°93'N;28°08'E, h0km, ML1.7, Suspected explosion

IDL 31 12:29:59.4±1.6, 63°90'N;28°51'E, h0km, mbtmp3, 1/3, ML1.8/3, Error ellipse: s-maj=24.7km s-min=9.5km az=101.0

ISC 31 12:29:57.2±0.7, 63°95'N;02°28'11E;0.02, h0km, n36, az=131/58, Finland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like NIF, RNF, RNF, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like VAF, TOF, TAO, etc.

IDL 31 12:30:26.5±1.1, 14°82'S;167°54'E, h0km, mb4,2/9, mbtmp4, 1/9, Error ellipse: s-maj=34.9km s-min=25.5km az=115.0

NEIC 31 12:33:33.0±0.8, 14°28'S;008°167'2E;0.4, h34km, 15km, mb4,3/12, Error ellipse: s-maj=50.0km s-min=8.3km az=82.0

NOU 31 12:33:39.8, 14°72'S;167°15'E, h94km, mb3.7/14, Vanuatu

ISC 31 12:33:37.1±0.8, 14°55'S;008°167'2E;0.1, h67km, n34, az=112/35, mb4.1/14, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like VLAKA, YATNC, DZM, etc.

IDL 31 12:40:52.7±0.9, 30°14'N;87°75'E, h0km, mb3.6/11, mbtmp3, 6/13, ML3.4/2, MS3.2/2, Error ellipse: s-maj=33.8km s-min=18.6km az=56.0

ISC 31 12:40:58.2±0.9, 30°22'N;01°18'7E;0.2, h37km, n14, az=58/13, mb3.7/11, Xizang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like CMAR, MKAR, MKAR, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like WRA, ASAR, TORD, etc.

IDL 31 12:45:29.1±1.5, 9°25'S;106°89'E, h0km, mb3.8/9, mbtmp3, 8/10, ML4.1/1, MS2.5/1, Error ellipse: s-maj=57.6km s-min=16.7km az=52.0

DJA 31 12:45:32.5±0.3, 9°S;3°10'7E, h10km, M4.3/19, mb4.5/6, mb5.4/2, MLv4.1/19, Mw(mb)4.8/2

NEIC 31 12:45:35.8±1.1, 9°16'S;010°107'13E;0.06, h42km, gkm, mb4.1/12, Error ellipse: s-maj=13.3km s-min=5.4km az=351.0

ISC 02-12:45:34.8±0.7, 9°12'S;005°107'14E;0.06, h35km, n58, az=1507/55, mb4.0/13, South of Java

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like BBJI, CNJI, XMI, etc.

IDL 31 12:46:51.8±2.7, 23°23'N;102°10'E, h0km, mb3.7/4, mbtmp3, 5/5, ML3.0/1, MS2.9/2, Error ellipse: s-maj=64.2km s-min=21.3km az=109.0

BKK 31 12:46:59.4±3.8, 23°ML23°10'2E;1°4, h0km, M3.8/7, Mw(mb)2.8/1

ISC 31 12:46:53.9±2.5, 23°02'N;101°9E;0.5, h10km, n8, az=92/8, mb3.8/4, Yunnan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like LAMP, CMAR, CMAR, etc.

Code Station Name Az Az' Phase ID Time Res ISC

31d 13h

Table with columns: MKAR, KURBB, ZALV, ZALV. Includes station names like Makanachi Array, Kurchatov Oa, Zalesovo Beam, Zalesovo Beam.

CNRM 31 13:05:53.8, 35:58N, 3:58W, h6km, ML1.9
SFS 31 13:05:54.8, 35:51N, 3:60W, h0km, ML2.6/6, ML2.4/6

MDD 31 13:05:54.0, 4:0.3, 55:55N-3:61W, h0km, mb_Lg2.3/8, Error ellipse: s-maj=4.0km s-min=2.7km az=42.0

ISC 31 13:05:54.2-1.0, 35:55N-0:02-3:59W, 0:03, h14km, gkm, n31, c1909/47, Strait of Gibraltar

Main station list table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Lists stations like PALEM, PALEM, PALEM, WMEIL, WMEIL, WMEIL, etc.

NEIC 31 13:15:17.9-1.0, 20:55S-0:1-178:0W, 0:1, h525km, 7km, mb4.7/136, Error ellipse: s-maj=20.2km s-min=16.5km az=143.0

NOU 31 13:15:19.5, 20:52S-178:07W, h550km, mb4.7/42, Fiji Islands Region

ISC 31 13:15:18.7-0.3, 20:51S-0:06-178:16W, 0:06, h534km, n594, c0994/568, mb4.7/100, 78C-24D, Fiji Islands region

Main station list table for NEIC, NOU, and ISC. Includes stations like Nonsavu, Nonsavu, Nonsavu, Futu, Futu, Futu, etc.

2018 DEC

Main station list table for 2018 DEC. Includes stations like QRTZ, TUWZ, KHATARA, OXFORD, JACKSON BAY, EIDS, CHARTERS TOWER, etc.

2068

Main station list table for 2068. Includes stations like H04A, N17K, M16K, O19K, I05D, T11B, K13K, L15K, BRSE, TUC, F04A, HOOD, N19K, L16K, M17K, M17K, K15K, KULM, I07A, MA2, 319A, J14K, J08A, L17K, CAPN, SPCR, U15A, SPU, GAMB, L18K, WUAZ, K17K, L19K, RC01, M20K, M20K, PWR, J16K, G08A, KAIM, GLI, L20K, J17K, E02K, M17K, HAWA, KNK, PMR, HEH, U33K, J18K, J18K, 121A, 121A, HNS, CUT, M23K, PPLA, SCM, K20K, KLU, H16K, S32K, D08A, WRAK, BJI, BJI, E09A, G15K, ENH, PINM, J19K, CAST, N25K, TNA, M24K, F14K, WAT6, WAT1, B08A, H17K, P29M.

2069 2018 DEC 31d 13h

J20K	Nowinta River	86.45	10	P	P	13 27 04.1	0.0	F20K	Avaraart Lake	88.89	9	P	P	13 27 16.3	+0.8	C23K	Itkillik River	92.21	9	I	Amb	I	Amb	13 27 31.1				
G16K	Koyuk River	86.48	7	P	P	13 27 03.8	-0.5	RDOG	Red Dog Mine	89.01	6	P	P	13 27 16.7	+0.6	C23K	Itkillik River	92.21	9	P	P	P	13 27 31.1	+0.3				
TRF	Thorore Moun	86.49	12	P	P	13 27 03.8	-0.8	C16K	Lishburne Hills	89.02	5	P	P	13 27 16.7	+0.6	H31M	Peel River	92.21	17	P	P	P	13 27 31.1	+0.2				
CHUM	Lake Minchumim	86.50	11	P	P	13 27 03.8	-0.6	M30M	Minto, Yukon	89.02	18	P	P	13 27 16.5	+0.2	B22K	Teshekpuk Lake	92.27	8	P	P	P	13 27 31.7	+0.6				
GCSA	Galena City Sc	86.56	9	P	P	13 27 04.7	+0.1	N32M	Quiet Lake	89.06	20	P	P	13 27 17.3	+0.8	F28M	Old Crow	92.29	14	P	P	P	13 27 31.6	+0.4				
F15K	North Star Dit	86.56	6	P	P	13 27 05.1	+0.4	E19K	Redstone River	89.07	8	P	P	13 27 16.5	+0.1	E27K	Crown River	92.39	13	P	P	P	13 27 32.1	+0.4				
C09A	Christman Ranch	86.57	36	I	Amb	13 27 06.5		PD31	Pinedale Array	89.07	43	I	Amb	I	Amb	13 27 18.1		C24K	Franklin Bluff	92.40	10	P	P	P	13 27 32.2	+0.6		
O28M	Mount Upton	86.60	18	P	P	13 27 05.1	-0.3	PDAR	Pinedale Array	89.07	43	P	P	13 27 17.4	+0.1	D25K	Kavik River	92.44	11	P	P	P	13 27 31.8	-0.1				
ELIB	Princess Elisa	86.62	187	d	P	13 27 05.2	-0.1	L29M	L29M	89.07	17	P	P	13 27 17.1	+0.6	G30M	Ahōh Zraii Ngil	92.64	15	P	P	P	13 27 32.9	0.0				
O29M	Mount Kennedy	86.69	19	P	P	13 27 05.4	-0.2	BOZ	Bozeman (W)	89.19	40	I	Amb	I	Amb	13 27 19.4		LZH	Lanzhou	92.66	308	e	P	P	13 27 34.8	+0.9		
PLBC	Pleasant Camp	86.70	20	P	P	13 27 05.9	+0.5	KMI	Kunming	89.22	297	↑	p	m	max	13 27 20.5	+2.1	LZH	Lanzhou	92.66	308	e	P	P	13 28 38.0	+3.3		
G17K	Kwalk Mouta	86.78	7	P	P	13 27 05.3	-0.4	KMI	Kunming	89.22	297	↑	p	m	max	13 27 20.5	+2.1	A22K	Sinclair Lake	92.69	7	P	P	P	13 27 33.2	+0.3		
VHRM	Van Horn	86.78	56	I	Amb	13 27 08.7		HHC	Hu-ho-hao-te	89.25	314	e	P	P	13 27 19.0	+1.0	A21K	Barrow	92.80	7	P	P	P	13 27 33.8	+0.4			
MCK	McKinley	87.01	13	P	P	13 27 07.0	+0.1	HHC	Hu-ho-hao-te	89.25	314	e	P	P	13 27 19.0	+1.0	G31M	Satah River	93.08	16	P	P	P	13 27 34.9	0.0			
P30M	Million Dollar	87.04	19	P	P	13 27 08.3	+1.2	PRP	Porcupine Dome	89.29	13	P	P	13 27 17.7	0.0	E28M	Babbage River	93.17	13	P	P	P	13 27 35.4	+0.2				
PAX	Paxson	87.10	14	P	P	13 27 07.1	-0.3	F21K	Alana River	89.38	9	P	P	13 27 17.7	-0.1	C27K	Jago River	93.18	11	I	Amb	I	Amb	13 27 36.1				
YUK8	Steele Glacier	87.14	17	P	P	13 27 08.2	+0.3	C17K	DeLong Mountai	89.40	5	P	P	13 27 18.1	+0.2	C26K	Camden Bay	93.21	11	P	P	P	13 27 36.2	+0.8				
TX31	Lajitas Ar. Si	87.18	57	I	Amb	13 27 10.8		G22K	Bettles	89.42	10	P	P	13 27 18.1	+0.2	F30M	Tring River	93.23	15	P	P	P	13 27 35.7	+0.1				
TXAR	Lajitas Array	87.19	57	P	P	13 27 09.2	+0.7	M31M	Drury Creek, Y	89.44	19	P	P	13 27 18.1	-0.1	RSSD	Black Hills	93.26	44	P	P	P	13 27 36.2	-0.3				
M26K	Nabesna, AK	87.21	16	P	P	13 27 08.1	+0.2	G23K	Banza Creek	89.48	11	I	Amb	I	Amb	13 27 19.1		RSSD	Black Hills	93.26	44	P	P	I	Amb	I	Amb	13 27 37.4
YUK6	Outpost Mounta	87.21	18	P	P	13 27 08.6	+0.2	G23K	Banza Creek	89.48	11	P	P	13 27 18.5	+0.2	E29M	Glow River	93.36	14	P	P	P	13 27 36.6	+0.5				
S34M	Telegraph Cree	87.33	23	P	P	13 27 09.6	+1.2	DAWY	Dawson	89.51	16	P	P	13 27 18.8	+0.2	D27M	Malcolm River	93.39	12	P	P	P	13 27 37.0	+0.7				
YUK3	Moose Creek	87.35	17	P	P	13 27 09.2	+0.4	DRIO	Del Rio	89.64	58	I	Amb	I	Amb	13 27 21.2		F31M	Tsilegchic	93.61	16	P	P	P	13 27 37.6	+0.4		
H19K	Roundabout Mou	87.36	9	P	P	13 27 08.8	+0.5	EGAK	Eagle	89.65	15	P	P	13 27 19.6	+0.5	D28M	Stokes Point	93.63	13	P	P	P	13 27 38.7	+0.1				
G18K	Tagewik	87.40	8	P	P	13 27 08.5	-0.1	WTLY	Waton Lake, Y	89.75	22	P	P	13 27 19.9	+0.2	INK	Inuvik	94.32	15	P	P	P	13 27 39.8	-0.7				
HYT	Haines Junctio	87.43	19	P	P	13 27 09.5	+0.5	C18K	Utukok River	89.76	6	P	P	13 27 20.1	+0.5	SONM	Songino Array	95.66	319	P	P	P	13 27 46.6	-0.7				
M27K	Edge Creek, AK	87.46	16	P	P	13 27 09.7	+0.5	FARO	Faro, Yukon	89.78	19	P	P	13 27 19.9	+0.1	YKA	Yellowknife Ar	96.58	25	P	P	P	13 27 49.9	-0.9				
YUK4	Talbot Arm	87.51	18	P	P	13 27 10.3	+0.8	K29M	Barlow Dome	89.83	17	P	P	13 27 20.5	+0.4	A36M	Sachs Harbour	98.92	15	P	P	P	13 28 01.5	+0.4				
ANMO	Albuquerque	87.53	51	P	P	13 27 09.9	-0.3	H22K	John River	89.84	10	P	P	13 27 20.2	+0.2	L44A	Lake County Fo	103.65	50	P	P	P	13 28 22.2	-0.6				
H20K	Anotliwega Mo	87.56	9	P	P	13 27 09.9	+0.5	F25K	Birch Creek	89.88	13	P	P	13 27 19.1	-1.0	ZALV	Zalesovo Beam	110.41	321	PKIKP	PKIKP	13 32 48.4	-1.5					
ALPN	Alpine	87.65	56	I	Amb	13 27 12.5		COLD	Coldfoot	89.91	11	P	P	13 27 20.9	+0.6	MKAR	McKean Array	111.10	313	PKIKP	PKIKP	13 32 50.1	-1.4					
L26K	Log Cabin Wild	87.65	15	P	P	13 27 10.5	+0.6	D19K	Kuna River	89.94	7	P	P	13 27 20.5	+0.1	MKAR	McKean Array	111.10	313	PKIKP	PKIKP	13 33 43.9	+2.7					
G32M	Nakina River	87.69	22	P	P	13 27 10.8	+0.4	E20K	Nigu River	89.96	8	P	P	13 27 20.4	+0.1	KURB	Kurchatov Arra	113.95	317	PKIKP	PKIKP	13 32 55.6	-1.2					
TROLL	Troll, Antarti	87.72	180	↑	P	13 27 10.1	-0.4	CM31	Chiang Mai Arr	89.98	290	P	P	13 27 22.4	+0.7	AAK	Ala-Archa	116.19	308	PKIKP	PKIKP	13 33 00.4	-1.2					
I21K	Tanana	87.75	11	P	P	13 27 10.3	+0.1	CMAR	Chiang Mai Arr	89.98	290	P	P	13 27 23.4	+1.7	BVAR	Borovoye Array	118.99	320	PKP	PKP	13 33 05.5	-1.0					
K24K	Donnelly Dome	87.75	14	P	P	13 27 10.4	0.0	CMAR	Chiang Mai Arr	89.98	290	P	P	13 28 23.1	+0.3	BRVK	Borovoye Array	119.05	320	PKIKP	PKIKP	13 33 05.4	-1.1					
NEA2	Nezana	87.75	12	P	P	13 27 09.5	-0.8	T25A	Trinidad	89.98	50	P	P	13 27 21.8	+0.2	KBL	Kabul	119.77	299	PKIKP	PKIKP	13 33 08.0	-0.8					
BVCY	Beaver Creek	87.77	16	P	P	13 27 11.2	+0.7	MAYO	Mayo, Yukon	90.08	18	P	P	13 27 21.8	+0.7	CHGR	Chuyangaron	119.98	303	PKIKP	PKIKP	13 33 08.3	-0.7					
O30N	Mendenhall	87.82	19	P	P	13 27 11.5	+0.8	CHTO	Chiang Mai	90.11	290	P	P	13 27 23.0	+0.7	SMJG	Simiganj	120.10	303	PKIKP	PKIKP	13 33 08.3	-0.9					
G19K	Purcell Mounta	87.85	8	P	P	13 27 11.1	+0.4	BTO	Batout	90.18	314	e	P	P	13 27 24.0	+1.7	SPIT	Spitsbergen Ar	121.86	357	PKIKP	PKIKP	13 33 09.6	-1.8				
XLT	XilinHaoTe	87.85	319	e	P	13 27 11.8	+0.4	BTO	Batout	90.18	314	e	P	P	13 27 24.0	+1.7	DAG	Danmarks Havn	122.76	6	i	P	PKIKP	13 33 10.8	-2.2			
XLT	XilinHaoTe	87.85	319	e	P	13 27 11.8	+0.4	BTO	Batout	90.18	314	e	P	P	13 27 24.0	+1.7	DY2G	Dye2	124.77	21	i	P	PKIKP	13 33 16.0	-1.5			
XLT	XilinHaoTe	87.85	319	e	P	13 27 11.8	+0.4	BTO	Batout	90.18	314	e	P	P	13 27 24.0	+1.7	ARTI	Arti	125.23	325	PKIKP	PKIKP	13 33 17.7	-0.5				
XLT	XilinHaoTe	87.85	319	e	P	13 27 11.8	+0.4	BTO	Batout	90.18	314	e	P	P	13 27 24.0	+1.7	ICESH	Greenland Ices	125.25	375	PKIKP	PKIKP	13 33 17.8	-0.7				
XLT	XilinHaoTe	87.85	319	e	P	13 27 11.8	+0.4	BTO	Batout	90.18	314	e	P	P	13 27 24.0	+1.7	BOSA	Boshof	126.18	206	PKIKP	PKIKP	13 33 20.9	-0.4				
XLT	XilinHaoTe	87.85	319	e	P	13 27 11.8	+0.4	BTO	Batout	90.18	314	e	P	P	13 27 24.0	+1.7	ARCES	ARCES Array B	128.90	350	PKIKP	PKIKP	13 33 24.2	-0.8				
F18K	Selawik	87.95	7	P	P	13 27 11.2	+0.1	TOAD	Toad River	90.22	25	P	P	13 27 22.7	+0.8	FINES	FINESS Array B	135.74	344	PKIKP	PKIKP	13 33 23.6						
SNA4	Sanaa	88.00	179	P	P	13 27 10.5	-1.1	I27K	Kandi River	90.23	14	P	P	13 27 22.4	+0.5	FINES	FINESS Array B	135.74	344	PKIKP	PKIKP	13 33 23.6						
XAN	Xiantan	88.02	307	↑	P	13 27 13.5	+2.2	D24K	Divide	90.26	48	P	P	13 27 22.8	-0.2	FINES	FINESS Array B	135.74	344	PKIKP	PKIKP	13 33 23.6						
XAN	Xiantan	88.02	307	↑	P	13 27 13.5	+2.2	D24K	Divide	90.26	48	P	P	13 27 22.8	-0.2	FINES	FINESS Array B	135.74	344	PKIKP	PKIKP	13 33 23.6						
HDA	Harding Lake	88.03	13	P	P	13 27 11.3	-0.3	D20K	Etah River	90.34	8	P	P	13 27 22.2	+0.0	NB2	NORSAR Subarra	138.97	353	PKIKP	PKIKP	13 33 35.2						
H12K	Melozitna Rive	88.04	10	P	P	13 27 11.5	-0.1	C19K	Lookout Ridge	90.36	7	P	P	13 27 22.7	+0.4	NOA	NORSAR Array B	138.97	353	PKIKP	PKIKP	13 33 33.9						
N30M	Aishikh Lake	88.06	18	P	P	13 27 11.3	-0.6	B18K	Kokolik River	90.39	6	P	P	13 27 22.7	+0.2	KMBO	Kiliima Mbo	139.21	242	PKIKP	PKIKP	13 33 36.6						
L27K	Beaver Creek,	88.06	16	P	P	13 27 12.1	+0.3	RLMT	Red Lodge	90.40	41	I	Amb	I	Amb	13 27 25.0		HFS	Hafslund	139.53	351	PKIKP	PKIKP	13 33 37.1				
BCAR	Beaver Creek A	88.07	16	P	P	13 27 11.7	-0.2	E21K	Killik River	90.44	9	P	P	13 27 23.1	+0.3	AKASG	Malin Array B	142.95	331	PKIKP	PKIKP	13 33 48.0						
AHID	Auburn Hatcher	88.08	43	I	Amb	13 27 14.3		E22K	Anaktuvuk Pass	90.47	10	P	P	13 27 23.1	+0.2	KIEV	Kiev	142.96	331	PKIKP	PKIKP	13 33 47.8						
WHY	Whitehorse	88.11	20	P	P	13 27 12.6	+0.4	I28M	Miner Creek	90.50	15	P	P	13 27 22.6	-0.1	KIEV	Kiev	142.96	331	PKIKP	PKIKP	13 33 48.0						
DLBC	Dease Lake	88.12	23	P	P	13 27 12.6	+0.4	N23A	Red Feather La	90.58	46	I	Amb	I	Amb	13 27 25.9		LODK	Lodwar	143.21	247	PKIKP	PKIKP	13 33 52.0	+0.7			
VNA3	Neumayer Olymp	88.14	176	↑	P	13 27 11.9	-0.3	N23A	Red Feather La	90.58	46	I	Amb	I	Amb	13 27 25.9		MUD	Monsted Ugrnd	143.69	353	i	P	PKIKP	13 33 49.6	-1.7		
E17K																												

31d 13h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BISRR Bisoca, TURR Turia, BMR Gaia Mare, etc.

2018 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ABTA Abfaltersbach, DAVA Damuels, FETA Feichten, etc.

2070

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ISC 31 13:22:54.4, ASUZ Hatay-Arsuz, TAHT Tahatkapur-Hat, etc.

ISK 31 13:22:53.6, 35°80'N, 35°86'E, h10km, ML2.6/20
AFAD 31 13:22:54.4, 0.0, 35.82°N, 35.84°E, h20km, 1km, ML2.2
GRAL 31 13:22:57.6, 0.3, 35.79°N, 35.86°E, h18km, 2km, MD3.2

Table with columns: WRA, WRAB, WB2, ASAR, ARCES, HFS, B22K, C23K, BMAR. Includes station names, coordinates, and times.

NEIC 31 13:33:51.8, 2.0, 25.93N, 0.08, 128.87E, 0.08, h10km, 2km, mb4.7/7, Error ellipse: s-maj=15.8km s-min=8.2km az=217.0

JMA 31 13:33:57.2, 0.2, 26.6N, 0.5, 129.3E, 0.7, h40km, 3km, MW3.2/25, NEAR OKINAWAJIMA ISLAND

ISC 31 13:33:55.4, 1.4, 26.59N, 0.04, 129.02E, 0.04, h13km, 9km, n41, c129/53, mb3.4/8, Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists various stations like Yoro, JYRO, JOW, etc.

JMN Monobe 8.19 28 Pn Pn 13 35 53.6 -0.3

KSRM Korea Arr 10.99 35 LR LR 13 40 14.2

JTM Tenmabayashi 17.89 32 Pn Pn 13 37 55.8 -0.1

WRA Warramunga Arr 46.52 173 P P 13 42 23.7 +0.9

ASAR Alice Springs 50.16 174 P P 13 42 51.6 +0.7

D22K Ayikyak River 61.20 24 P P 13 44 10.5 +0.9

I26K Coal Creek Min 65.20 28 P P 13 44 36.3 +0.2

BCAR Beaver Creek A 66.21 30 P P 13 44 44.1 +1.3

M29M Somme Creek 67.84 30 P P 13 44 54.5 +1.2

INIK Inuvik 68.22 38 Pn Pn 13 44 56.1 +0.8

FINES FINESS Array B 72.98 33 P P 13 45 25.0 +0.5

YKA Yellowknife Arr 77.83 25 P P 13 45 53.5 +1.2

UCR 31 13:46:58.0, 1.4, 8.56N, 83.15W, h27km, 4km, MW3.5, Costa Rica

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like EDAD, NELY, PIRO, etc.

PMG Port Moresby 4.71 224 Pn Pn 13 55 43.2 -3.1

WRA Warramunga Arr 20.93 227 P P 13 58 22.1 -0.8

ASAR Alice Springs 23.72 221 P P 13 58 52.2 -0.1

TORD Torodi Ar. Bea 148.44 285 PKPbc PKPbc 14 13 27.6 -0.5

ISC 31 13:59:07.7, 1.5, 50.99N, 176.43W, h0km, mb3.4/8, mbmp3.4/8, Error ellipse: s-maj=47.6km s-min=20.6km az=179.0

AEIC 31 13:59:14.8, 1.6, 51.59N, 0.08, 176.02W, 0.06, h56km, 5km, Error ellipse: s-maj=11.9km s-min=4.9km az=174.0

NEIC 31 13:59:15.3, 1.4, 51.47N, 0.09, 176.02W, 0.06, h35km, 12km, mb3.7/5, ML3.6(AEIC), Error ellipse: s-maj=12.7km s-min=4.7km az=171.0

ISC 31 13:59:16.3, 1.0, 51.55N, 0.1, 176.05W, 0.04, h47km, n41, c097/31, mb3.5/6, Andreonof Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like GCSK, GSMY, ADK, etc.

D19K Kuna River 19.10 20 P P 14 03 35.1 +0.3

ILAR Eielson Array 20.07 37 P P 14 03 48.5 +1.1

SEY Seymchan 20.31 316 P P 14 03 47.8 -0.2

E22K Anaktuvuk Pass 20.39 26 Pn Pn 14 03 52.4 +1.2

D22K Ayikyak River 20.68 24 Pn Pn 14 03 55.2 +0.6

B21K Ikpikpuk River 20.76 21 P P 14 04 04.1 +1.4

YKA Yellowknife Arr 33.88 47 P P 14 05 55.3 +1.3

H112 WAKE ISLAND Hy 34.44 209 T T 14 42 24.7

H113 WAKE ISLAND Hy 34.45 209 T T 14 42 36.4

H111 WAKE ISLAND Hy 34.46 209 T T 14 42 30.8

MJAR Matsushiro Arr 35.51 263 P P 14 06 02.7 -5.7

H115 WAKE ISLAND Hy 35.66 209 T T 14 44 00.9

H112 WAKE ISLAND Hy 35.67 209 T T 14 44 01.3

PDAR Pinedale Array 44.62 74 P P 14 07 24.9 +0.8

TXAR Lajitas Array 56.93 83 P P 14 08 56.8 +0.2

KURBB Kurchatov Arr 60.26 315 P P 14 09 18.9 -0.4

MKAR Makanchi Array 61.28 310 P P 14 09 25.2 -1.2

TORD Torodi Ar. Bea 115.57 2 PKP PKPdf 14 17 53.7 +0.5

H032N Juan Fernandez 119.54 108 T T 16 29 35.0

H031N Juan Fernandez 119.55 108 T T 16 29 36.3

H033N Juan Fernandez 119.55 108 T T 16 29 42.8

ISC 31 14:05:21.8, 1.7, 2.69N, 128.64E, h241km, 16km, mb3.7/21, mbmp4.2/23, Error ellipse: s-maj=17.7km s-min=8.6km az=80.0

NEIC 31 14:05:21.8, 1.0, 2.67N, 128.58E, 0.09, h230km, 8km, mb4.4/31, Error ellipse: s-maj=15.0km s-min=12.2km az=225.0

DJA 31 14:05:22.8, 0.4, 3.1N, 4.12E, h208km, 4km, M4.4/15, mb4.1/11, mb5.0/2, MLV4.6/15, MW(MB)4.3/2

ISC 31 14:05:22.6, 0.4, 2.65N, 128.46E, 0.06, h250km, n79, c1920/87, mb4.2/33, Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like TMTI, TMTI, SGSI, etc.

LWU1 Luwuk 6.77 237 Pn Pn 14 06 58.8 -1.7

LWU2 Luwuk 6.77 237 Pn Pn 14 06 59.9 -0.6

APSI Ampana 7.68 243 P P 14 07 10.8 -1.1

TOLIZ Tolitoli 7.83 259 Pn Pn 14 07 12.4 -1.5

MYLDM Lahad Datu 10.25 284 Pn Pn 14 07 45.4 +0.9

TTSI Tana Toraja 10.33 237 P P 14 07 45.7 +0.3

SPSI Sidrap Talu 10.89 233 P P 14 07 53.6 +1.1

BKSI Bulukumba 11.50 226 P P 14 08 01.2 +1.1

KAPI Kapang 11.56 229 P P 14 08 04.1 -0.4

KKM Kota Kinabalu 12.67 286 Pn Pn 14 08 15.2 +0.5

JAY Jayapura 13.27 113 P P 14 08 21.2 -2.2

PLAI Plampang 15.61 233 P P 14 08 51.3 +1.1

MTN Mantion Dam 15.62 170 Pn Pn 14 08 48.4 -1.0

ASAR comp=2.1, 2nm, 0.4s, baz=351, slow=2.2, SNR=17 ScP ScP 14 17 14.1 +1.9

JNU NUNAKUSU 30.40 4 P P 14 11 11.0 -0.8

GSJ Gunungstigi 30.90 268 P Iamb Iamb 14 11 17.2 +0.7

PHAR Phrae 31.82 302 P P 14 11 25.8 +1.3

CHTO Chiang Mai Arr 31.91 301 P P 14 11 36.0 +2.1

CHTO Chiang Mai 33.06 301 P P 14 11 36.3 +1.1

KSRS Korea Array 34.64 359 P P 14 11 48.4 -0.1

BBOO Buckleboe 35.99 169 P Iamb Iamb 14 12 00.4 +0.3

STKA HHC 36.53 161 P P 14 12 04.6 0.0

HHC comp=2.5, 0nm, 0.7s pmax pmax 14 12 45.8 +4.4

HHC comp=2.7, 3nm, 5.3s LR LR 14 12 45.8 +4.4

HHC comp=N, 510nm, 14.5s LR LR 14 12 45.8 +4.4

HHC comp=E, 450nm, 14.5s LR LR 14 12 45.8 +4.4

SONM Songino Array 48.88 340 P P 14 13 43.6 +0.2

SONM comp=2.0, 4nm, 0.6s, baz=160, slow=7.7, SNR=5.3 PcP 14 15 03.9 +0.1

WMQ Urumqi 54.60 325 eP LR 14 14 28.8 +3.2

PEAOB Petropavlovsk- 55.79 21 P P 14 14 34.2 +0.4

PETK Petropavlovsk- 55.79 21 P P 14 14 32.7 -1.1

MKAR comp=2.4, 7nm, 0.9s, baz=19.6, slow=5.0, SNR=12 PcP 14 14 57.4 -0.2

YAK Yakutsk 59.24 15 P P 14 14 57.4 -0.2

MA2 Magadan 59.34 13 P P 14 14 58.7 +0.4

MK31 Makanchi Array 59.42 325 P P 14 14 59.6 +0.4

MKAR comp=2.0, 9nm, 0.4s, baz=114, slow=8.2, SNR=29 PcP 14 15 44.4 +0.2

MAK2 Makanchi 59.51 325 P P 14 15 01.0 +0.5

RPZ Rata Peaks 59.89 145 P Iamb Iamb 14 15 02.8 +0.1

BKZ Black Stump Fm 60.63 138 P Iamb Iamb 14 15 07.4 -0.1

RTZ Ruatuhana 60.67 138 P Iamb Iamb 14 15 07.7 -0.2

ZAL Zalesovo Beam 62.33 333 P P 14 15 17.9 -0.6

SEY Seymchan 62.75 12 P P 14 15 21.6 +0.8

KURBB Kurchatov 63.58 327 P Iamb Iamb 14 15 27.1 +0.3

KURK Kurchatov 63.58 327 P Iamb Iamb 14 15 27.8

BVAR Borovoye Array 69.16 327 P P 14 16 02.2 +0.1

NRIK comp=2.2, 1nm, 0.6s, baz=117, slow=4.6, SNR=6.4 71.89 346 P P 14 16 18.0 -0.2

L18K Granite Mounts 80.62 27 P Iamb Iamb 14 17 08.3 +1.0

H19K Roundabout Mo 81.44 24 P Iamb Iamb 14 17 12.4 +0.9

KDAK Kodiak Island 81.87 32 P P 14 17 14.7 +0.7

VNDA Vanda 82.15 173 P Iamb Iamb 14 17 15.6 +0.5

VNDA Vanda 82.15 173 P P 14 17 15.6 +0.5

IMAR Indian Mountain 82.62 24 P P 14 17 17.9 +0.2

G21K Allakaket 82.81 23 P P 14 17 19.7 +1.0

D22K Ayikyak River 83.52 21 P Iamb Iamb 14 17 23.6 +1.3

E22K Anaktuvuk Pass 83.72 22 P Iamb Iamb 14 17 24.5 +1.1

ILAR comp=2.0, 3nm, 0.4s, baz=254, slow=4.7, SNR=7.2 85.33 25 P P 14 17 30.4 -1.0

M2K Tolsona, Glenn 85.50 28 P P 14 17 33.5 +1.2

EMAR Summit Mountain 86.39 23 P P 14 17 37.3 +0.7

SPKS Spitbergen Ar 91.86 349 P P 14 18 01.0 -1.0

ARCES ARCCESS Array B 92.05 340 P P 14 18 02.0 -1.0

FINES FINESS Array B 93.59 332 P P 14 18 09.3 -0.9

YKA Yellowknife Arr 95.75 25 P Pdf 14 18 38.2 +0.2

HFS Hagfors 99.77 333 P Pdf 14 18 36.9 -1.2

TORD Torodi Ar. Bea 124.90 288 PKP PKIKP 14 23 54.3 0.0

ISC 31 14:05:33.0, 0.7, 3.15S, 93.50W, h0km, mb3.6/4, mbmp3.6/6, ML4.3/2, MS3.1/2, Error ellipse: s-maj=19.4, 7km s-min=4.1, 0km az=24.0

NEIC 31 14:05:33.9, 2.0, 15.04N, 0.09, 94.46W, 0.03, h10km, 2km, mb3.9/6, M4.3/76(MEX), Error ellipse: s-maj=14.9km s-min=4.8km az=183.0

MEX 31 14:05:37.4, 0.6, 15.16N, 94.42W, h16km, 14km, MD4.3

ISC 31 14:05:31.7, 1.7, 15.07N, 0.05, 94.40W, 0.03, h3km, 11km, n76, c2921/112, mb3.6/5, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like PCIG, PCIG, HUATUO, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like CCIG Comitan, RTAL Retalhuleu, PEIG Puerto Escondido, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like H04N1 CROZET ISLANDS, H04N3 CROZET ISLANDS, H04S3 CROZET ISLANDS, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like JSZI Iwateshizukui, JTB Tobi-shima, JGK Kunri, etc.

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JCJ	Chichijima	10.31	177	P	Pn	14 12 52.0	+2.2		
KSRS	Korea Array	10.83	274	P	Pn	14 13 00.8	+4.0		
KSRS	comp=N, 2.1nm, 0.9s, baz=89, slow=13, SNR=42								
MDJ	Mudanjiang	11.53	312	Pn	Pn	14 13 05.9	-0.3		
MDJ	Mudanjiang	11.53	312	P	Pn	14 13 09.5	+3.2		
MDJ	comp=N, 40nm, 2.0s				Sn pmax	14 15 12.5	-1.0		
MDJ	comp=N, 420nm, 6.1s				pmax				
MDJ	comp=N, 1.1um, 22.0s				LR				
MDJ	comp=N, 2um, 21.6s				LR				
MDJ	comp=N, 3um, 22.0s				LR				
MDJ	Mudanjiang	11.53	312	P	Pn	14 13 06.2	-0.1		
MDJ	BNX	13.44	313	UP	P	14 13 37.8	-2.7		
BNX	comp=N, 10.0nm, 0.8s				pmax				
TYV	Tymovskoe	13.46	3	eP	P	14 13 41.9	+1.2		
TYV	comp=Z, 200nm, 3.2s				pmax				
TYV	comp=Z, 41nm, 0.9s				pmax				
CN2	Changchun	13.78	303	P	Pn	14 13 38.5	+1.5		
CN2	comp=Z, 500nm, 8.0s				pmax				
CN2	comp=Z, 10.0nm, 1.4s				pmax				
CN2	comp=Z, 500nm, 8.0s				LR				
CN2	comp=Z, 800nm, 15.0s				LR				
CN2	comp=Z, 2um, 15.0s				LR				
CN2	comp=Z, 1um, 19.0s				LR				
GRNR	Gornyy	13.83	346	UP	Pn	14 13 36.8	-0.9		
GRNR	comp=N, 6.0nm, 0.9s				pmax				
GRNR	comp=Z, 6.0nm, 0.6s				pmax				
SNY	Shenyang	14.52	293	UP	Pn	14 13 47.8	+0.8		
SNY	comp=Z, 12nm, 1.2s				pmax				
SNY	comp=Z, 49nm, 3.5s				pmax				
SNY	comp=Z, 1um, 15.2s				LR				
SNY	comp=Z, 2um, 17.2s				LR				
SNY	comp=Z, 3um, 20.8s				LR				
JOW	Kunigami	15.40	231	LR	LR	14 19 42.1			
DL2	Dalian	15.73	281	P	Pn	14 14 03.8	+1.0		
DL2	comp=Z, 513nm, 21.6s, baz=99, slow=36				pP	14 14 12.5	-4.4		
DL2	comp=Z, 78nm, 0.8s				eS	14 16 59.5	+3.5		
DL2	comp=Z, 640nm, 4.9s				pmax				
DL2	comp=Z, 640nm, 12.1s				LR				
DL2	comp=Z, 2um, 19.9s				LR				
DL2	comp=Z, 2um, 20.4s				LR				
HEH	HeiHe	16.34	326	eP	Pn	14 14 08.3	-2.2		
HEH	comp=Z, 10.0nm, 1.1s				pmax				
HEH	comp=Z, 700nm, 15.9s				LR				
HEH	comp=Z, 1um, 16.0s				LR				
HEH	comp=Z, 2um, 15.9s				LR				
SSE	Sheshan	17.96	255	P	P	14 14 30.8	+0.1		
SSE	comp=Z, 17nm, 1.2s				S	14 17 49.8	-0.2		
SSE	comp=Z, 160nm, 3.4s				pmax				
SSE	comp=Z, 490nm, 23.3s				LR				
ZEZ	Zeya	19.07	333	eP	P	14 14 42.3	-0.5		
ZEZ	comp=N, 30nm, 0.7s				pmax				
ZEZ	comp=E, 10.0nm, 0.8s				pmax				
PETK	Petrovskovsk	19.30	31	P	Pn	14 14 46.2	-0.5		
PETK	comp=Z, 376nm, 21.3s, baz=220, slow=36				LR	14 22 04.3			
NJ2	Nanjing	19.38	261	eP	P	14 14 47.0	+0.6		
NJ2	comp=Z, 10.0nm, 0.7s				pmax				
NJ2	comp=Z, 390nm, 8.3s				LR				
NJ2	comp=Z, 700nm, 22.7s				LR				
NJ2	comp=Z, 850nm, 23.5s				LR				
TIA	Tai'an	19.58	274	P	P	14 14 46.3	-2.2		
TIA	comp=Z, 29nm, 1.2s				S	14 18 25.5	-1.5		
TIA	comp=Z, 250nm, 4.2s				pmax				
TIA	comp=Z, 1um, 13.7s				LR				
TIA	comp=Z, 960nm, 16.5s				LR				
PET	Petrovskovsk	19.63	32	P	P	14 14 49.1	+0.2		
HIA	Hailar	19.70	314	P	P	14 14 48.7	-1.1		
HIA	comp=Z, 7.0nm, 0.6s				pmax				
BJI	Beijing	19.94	285	P	P	14 14 51.0	-1.4		
BJI	comp=Z, 91nm, 4.4s				pmax				
BJI	comp=Z, 210nm, 14.7s				LR				
BJI	comp=Z, 230nm, 20.8s				LR				
BJI	comp=Z, 320nm, 19.8s				LR				
BJT	Baijiatuu	19.95	285	P	P	14 14 51.4	-1.1		
BJT	comp=Z, 25nm, 1.1s				pmax				
XLT	XiLinHaoTe	20.32	297	eP	P	14 14 54.5	-2.1		
XLT	comp=Z, 33nm, 1.1s				pP	14 15 05.5	-2.1		
XLT	comp=Z, 110nm, 6.9s				sP	14 15 09.8	-3.7		
XLT	comp=Z, 1um, 17.0s				S	14 18 35.8	-6.1		
HNS	HongShan	21.29	278	UP	P	14 15 04.5	-2.5		
HNS	comp=Z, 87nm, 1.1s				S	14 18 52.0	-9.0		
HNS	comp=Z, 400nm, 15.1s				pmax				
HNS	comp=Z, 1um, 17.3s				LR				
HNS	comp=Z, 1um, 14.4s				LR				

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YHNB	Yeheng	21.40	239	P	P	14 15 06.7	-1.6		
NACB	Ninganchiao	21.58	238	P	P	14 15 07.5	-2.6		
SSLB	Suanglung	22.27	238	P	P	14 15 13.9	-3.7		
YULB	Yu-yi	22.31	237	P	P	14 15 15.0	-3.0		
TPUB	Ta-pu	22.82	238	P	P	14 15 19.8	-3.6		
Twain	Seinan	22.85	236	P	P	14 15 24.7	+1.0		
MA2	Magadan	22.95	12	P	P	14 15 24.0	+0.5		
MA2	comp=Z, 32nm, 0.8s				I Amb	14 15 37.5			
MA2	Magadan	22.95	12	P	P	14 15 24.7	+0.2		
MA2	comp=Z, 17nm, 0.8s, baz=201, slow=8.3, SNR=14				LR	14 24 15.2			
MA2	Magadan	22.95	12	eP	P	14 15 25.6	+1.1		
MA2	comp=Z, 11nm, 0.7s				pmax				
MA2	Magadan	22.95	12	P	P	14 15 24.6	+0.2		
MA2	comp=Z, 44nm, 0.8s				P				
HHC	Hu-ho-hao-te	23.45	288	eP	P	14 15 27.5	-2.2		
HHC	comp=Z, 12nm, 0.6s				sP	14 15 42.8	+1.6		
HHC	comp=Z, 110nm, 5.4s				S	14 19 31.3	-8.5		
HHC	comp=Z, 510nm, 12.2s				sS	14 19 52.5	-7.5		
HHC	comp=Z, 450nm, 14.5s				SS	14 20 21.5	+3.1		
HHC	comp=Z, 540nm, 13.8s				SnSn				
WHN	Whan	23.52	261	UP	P	14 15 30.5	+0.2		
WHN	comp=Z, 110nm, 0.9s				pmax				
WHN	comp=Z, 4um, 18.8s				LR				
LYN	LuoYang	23.66	272	P	P	14 15 29.3	-2.3		
LYN	comp=Z, 2um, 19.8s				pP	14 15 40.5	-2.9		
LYN	comp=Z, 1um, 17.9s				Pn	14 15 58.8	-1.6		
LYN	comp=Z, 2um, 19.8s				S	14 19 44.8	+1.8		
LYN	comp=Z, 110nm, 0.8s				SS	14 20 30.8	+7.2		
LYN	comp=Z, 350nm, 7.5s				pmax				
LYN	comp=Z, 2um, 14.8s				LR				
LYN	comp=Z, 1um, 17.9s				LR				
LYN	comp=Z, 2um, 19.8s				LR				
GUMO	Guam	23.92	172	LR	LR	14 25 37.5			
CIT	Chita	24.47	316	eP	P	14 15 38.0	-0.9		
CIT	comp=Z, 217nm, 2.6s				e	14 15 44.2			
CIT	comp=Z, 63nm, 1.2s				pmax				
BTO	Baotou	24.63	287	eP	P	14 15 41.5	+0.9		
BTO	comp=Z, 430nm, 5.3s				pP	14 15 53.3	+0.6		
BTO	comp=Z, 2um, 16.6s				sP	14 15 58.5	+0.2		
BTO	comp=Z, 890nm, 19.3s				PP	14 16 19.0	+5.4		
BTO	comp=Z, 1um, 19.4s				Pn	14 19 59.3	+0.6		
BTO	comp=Z, 3um, 20.4s, baz=20, slow=38				S	14 20 15.3	-3.7		
CNSH	ChangSha	25.67	257	P	P	14 15 49.8	-0.2		
YAK	Yakutsk	25.71	347	P	P	14 15 49.5	-0.5		
YAK	comp=Z, 949nm, 18.9s, baz=153, slow=37				LR	14 26 20.7			
YAK	Yakutsk	25.71	347	eP	P	14 15 49.2	-0.8		
YAK	comp=Z, 45nm, 0.9s				e	14 16 01.4	-0.7		
YAK	comp=N, 37nm, 1.4s				e	14 16 26.9			
YAK	comp=E, 17nm, 1.1s				ePPP	14 16 35.1			
YAK	comp=Z, 42nm, 1.6s				e	14 19 18.8			
YAK	comp=N, 34nm, 1.7s				eS	14 20 14.8	-0.5		
YAK	comp=E, 96nm, 2.8s				eSS	14 20 36.3	+0.7		
YAK	comp=N, 180nm, 3.6s				eSS	14 21 13.1	-0.2		
YAK	comp=Z, 23nm, 1.3s				SSS	14 21 27.5			
SEY	Seymchan	26.39	11	P	P	14 15 57.3	+1.2		
SEY	comp=E, 5.7nm, 0.7s, baz=198, slow=8.1, SNR=15				e	14 26 42.4			
SEY	Seymchan	26.39	11	eP	P	14 15 57.8	+1.7		
SEY	comp=Z, 17nm, 1.3s				pmax				
XAN	Xi'an	26.62	273	P	P	14 15 57.5	-1.1		
XAN	comp=Z, 45nm, 0.6s				pP	14 16 09.9	0.9		
XAN	comp=Z, 660nm, 4.8s				S	14 20 28.3	-2.0		
XAN	comp=Z, 1um, 16.7s				pmax				
XAN	comp=Z, 780nm, 16.8s				pmax				
XAN	comp=Z, 1um, 18.2s				LR				
ULN	Ulanbaatar	27.22	304	P	P	14 16 04.0	0.0		
ULN	comp=Z, 2um, 15.9s				P	14 16 04.3	+0.3		
ULN	comp=Z, 2um, 16.7s				eP	14 16 04.2	+0.2		
BOD	Bodaibo	27.25	327	eP	P	14 16 03.8	-0.2		
BOD	comp=Z, 35nm, 1.4s				pmax				
SHEM	Shemys Is.	27.32	45	LR	LR	14 24 49.1			
ENH	Enshi	27.47	264	P	P	14 16 05.0	-1.2		
ENH	comp=Z, 267nm, 20.0s, baz=275, slow=32				P	14 16 05.4	-0.8		
ENH	Enshi	27.47	264	P	P	14 16 07.9	0.0		
SONM	Songino Array	27.65	303	P	P	14 19 23.8	-0.2		
SONM	comp=Z, 9.7nm, 0.5s, baz=102, slow=8.8, SNR=70				PcP				
SONM	comp=Z, 1.9nm, 0.9s, baz=119, slow=2.7, SNR=3.1				LR	14 27 25.0			
H11N2	WAKE ISLAND Hy	28.26	122	T	T	14 45 49.4			
H11N1	WAKE ISLAND Hy	28.26	122	T	T	14 45 44.0			
H11N3	WAKE ISLAND Hy	28.28	122	T	T	14 45 44.8			
H11S1	WAKE ISLAND Hy	28.99	12						

Table with columns: Station ID, Name, Frequency, Power, Mode, and other parameters. Includes stations like Doyon Strip, Malcolm River, Steamboat Moun, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other parameters. Includes stations like Kabul, Chertov Tower, Warramunga Arr, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other parameters. Includes stations like Yreka Blue Hor, Fort Rock, OR, Summit, etc.

31d 14h

Table with columns for station name, coordinates, and various parameters. Includes stations like MZR, SIM, RNP8, LUBAR, etc.

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Table with columns for station name, coordinates, and various parameters. Includes stations like CLL, CLM, CLP, etc.

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Table with columns for station name, coordinates, and various parameters. Includes stations like DOU, BFO, FETA, etc.

31d 15h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA, CTA, CTAO, FITZ, AS31, ASAR, STKA, FORT, MORW, MLZ, TUWZ, BKZ, KFZ, KHZ, BFZ, MKAR, MAZK, ZALV, VNSA, SBA, BVAR, QSPA, ILAR, BMAR, TORD, CPUP, LPAZ.

IDC 31 14:53:05.4,0.8,47.78Sx103.13E,h0km,mb4.2/9, mBmp3.9/6,MS3.9/5, Error ellipse: s-maj=30.8km s-min=18.2km az=112.0

NEIC 31 14:53:08.2,1.0,47.91Sx107.103E,0.3,h10km,2km, mb4.7/12, Error ellipse: s-maj=37.2km s-min=8.8km az=282.0

ISC 31 14:53:06.8,0.7,47.85Sx103.02E,0.2,h10km,n46, s=1505/30,mb4.3/14,MS4.2/16,Southeast Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H01W2, H01W1, H01W3, MORW, FORT, MAW, BBOO, MBWA, STKA, ASAR, ASAR, AS31, VNSA, VNSA, WRA, WRA, WRAB, WRAB, LEM, LEM, QSPA, QSPA, CTA, H08S2, H08S1, H08S3, SNAAS, SNAAS, SNAAS, PSI, BELA, BELA, BKZ, RTZ, JAV, PALK, CMAR, CMAR, PMSA, BRDH.

2018 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WSAR, PLCA, AAK, SONM, EIL, ESDC, ILAR, INK, NVAR, TXAR, YKA, PDAR.

IDC 31 14:56:13.0,0.9,47.80Sx102.85E,h0km,mb3.9/6, mBmp3.9/6,MS3.9/5, Error ellipse: s-maj=39.9km s-min=20.5km az=108.0

ISC 31 14:56:15.3,0.9,47.85Sx102.8E,0.3,h10km,n21, s=114/11,mb3.8/6,MS4.0/4,Southeast Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H01W2, H01W1, H01W3, NWA0, ASAR, ASAR, VNSA, WRA, GSPA, CTA, H08S2, H08S1, H08S3, SNAAS, HNR, CMAR, ASF, ESDC, INK, NVAR, YKA, PDAR.

DJA 31 15:02:21.0,0.3,7.5Sx105.5E,h10km,M4.2/16,mb4.6/2, mB5.0/1,MLv4.0/16,Mw(B)4.3/1

NEIC 31 15:02:22.6,2.0,7.09Sx104.81E,0.07,h35km,2km, mb4.5/7, Error ellipse: s-maj=14.8km s-min=11.3km az=206.0

IDC 31 15:02:24.9,5.4,6.65Sx105.00E,h66km,43km,mb3.3/10, mBmp3.9/6,MS3.9/5, Error ellipse: s-maj=49.4km s-min=17.2km az=53.0

ISC 31 15:02:19.2,0.7,6.91Sx104.92E,0.05,h23km,n54, s=181/44,mb4.0/15,Sunda Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CGJI, CGJI, SBJI, BLSI, SKJI, TNG, TNG, LWLI, CNJI, MDSI, LEM, LEM, LEM, MINAI, MINAI, MINAI, CMJI, XMIS, KPJI, TPI, UGM, PPSI, JAGI, PSI, MMRI, BATI, SOEI, SOEI, KNRA, KNRA, MTN, MTN, H01W3, H01W1, H01W2, WRA, WRAB, WRAB, H08S2, H08S3, ASAR.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like STKA, SONM, USRK, MK31, MKAR, H04N2, H04N1, H04N3, H04S1, H04S3, ZALV, BVAR, ABKAR, BRTR, ARCES, TXAR.

KRSC 31 15:17:19.5,0.8,55.01Nx164.19E,h52km,21km,ML4.0, IDC 31 15:17:22.6,3.1,55.15Nx163.67E,h0km,mb3.4/5, mBmp3.3/6,ML2.0/1, Error ellipse: s-maj=66.9km s-min=41.4km az=79.0

ISC 31 15:17:21.7,0.9,55.07Nx164.16E,0.04,h24km,n30, s=181/28,mb3.5/5,Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BKI, BKI, KBTR, KBTR, KBG, KMN, KLY, KIR, KPT, GNL, SRD, ESO, KRX, DOK, KAL, GNL, KRMR, OSSR, PETK, PETK, MTRV, GRL, H1N2, H1N3, H1N1, SONM, H1S1, H1S2, KURBB, MKAR, BVAR, ASAR.

HEL 31 15:42:40.6,0.5,67.93Nx20.05E,h0km,ML0.7, Explosion,Sweden

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LANU, LANU, KIF, KIF, KIF, HEF, HEF, HEF, HEF, KTKI, ERTU, ERTU, KLF, KLF, RNF, BURU.

MNC 31 15:47:40.2,5.0,36.26Nx68.53E,h0km,mb4.0,mpv3.7, Error ellipse: s-maj=40.8km s-min=29.0km az=176.0

IDC 31 15:47:59.2,2.6,37.54Nx69.81E,h0km,mb3.8/6, mBmp3.7/12,ML3.1/6,MS3.3/1, Error ellipse: s-maj=39.4km s-min=17.8km az=169.0

NEIC 31 15:48:07.0,1.2,37.99Nx105.69E,0.04,h26km,8km, mb4.1/3, Error ellipse: s-maj=6.8km s-min=4.4km

ISC 31 15:48:04.8,0.7,37.96Nx106.69E,0.06,h10km,n45, s=203/44,mb4.0/8,4C,4D,Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CHGR, SIMJ, GAR, DRK, BTK, KBL, KK31, KK31, KK31, KKAR, AML.

Table with columns: Call Sign, Frequency, Mode, Power, Direction, and other parameters. Includes stations like AAK, AAK, AAK, etc.

NOU 31 15:55:20.6, 18°15'S:168°24'E, h23km, mb4.7/30, Vanuatu Islands
NEIC 31 15:55:21.1, 18°46'S:0°08':168°49'E, h04km, g6km, mb4.7/33, Error ellipse: s-maj=14.0km s-min=6.0km az=137.0

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

Table with columns: Call Sign, Frequency, Mode, Power, Direction, and other parameters. Includes stations like CTA, CTA, CTA, etc.

CTA 31 16:05:46.1, 1.4, 54.89N:164.73E, h46km, g32km, M13.7
KRSC 31 16:05:47.6, 1.9, 54.78N:164.72E, h005, h15km, g13km, n33, r1943/42, mb3.5/8, Komandorsky Islands region

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

Table with columns: Call Sign, Frequency, Mode, Power, Direction, and other parameters. Includes stations like GERES, ARSA, MOA, SOKA, etc.

31 16:07:29.8, 1.1, 19°85'N:122°03'E, h0km, mb3.5/6, mbmp3.5/6, MS3.5/1, Error ellipse: s-maj=70.3km

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

31d 17h

DJA 31 16:20:24.0±0.1,0°S,3°12'E,±1h2km,±18km,M3.8/13,
mb4.0/3,MLV3.7/13,Southern Molucca Sea

Code Station Name Δ° AZ° Phase ID Time Res
KMSI Cibinong 1.47 301 P Op ISC h m s ISC
SANI Sanana 1.99 158 P Pn 16 20 57 +0.1

IDC 31 16:27:33.1±1.7,0.65N,122.75E,h0km,mb3.1/3,
mbmp3.3/4,ML3.6/1, Error ellipse: s-maj=144.7km
s-min=24.9km az=64.0

Code Station Name Δ° AZ° Phase ID Time Res
MRSI Marisa 3.02 323 P Pn 16 28 17 -1.7
APSI Ampanga 1.23 203 P Pn 16 28 25 -0.2

Code Station Name Δ° AZ° Phase ID Time Res
WRA Warramunga Arr 23.34 150 P P 16 32 43.8 -0.7
ASAR Alice Springs 26.36 155 P P 16 33 11.8 0.0

IDC 31 16:31:16.2±1.6,3.28S,127.77E,h0km,mb3.7/4,
mbmp3.7/5,ML3.9/1, Error ellipse: s-maj=169.2km
s-min=23.0km az=68.0

Code Station Name Δ° AZ° Phase ID Time Res
MSAI Masohi 0.54 165 P Op ISC h m s ISC
MSAI Masohi 0.54 165 P S Pg 16 31 29.3 +1.6

IDC 31 16:31:17.2±0.9,2.83S,107.12879E,0.07,h10km,n26,
a=171/26,mb3.8/5,Ceram Sea

Code Station Name Δ° AZ° Phase ID Time Res
MSAI Masohi 0.54 165 P Op ISC h m s ISC
MSAI Masohi 0.54 165 P S Pg 16 31 29.3 +1.6

Code Station Name Δ° AZ° Phase ID Time Res
WRA Warramunga Arr 17.86 163 P Pn 16 35 23.8 -2.1
WRA Warramunga Arr 17.86 163 P Pn 16 35 23.9 -2.1

Code Station Name Δ° AZ° Phase ID Time Res
ASAR Alice Springs 21.30 167 P P 16 36 03.5 -0.9
MKAR Makanchi Array 64.10 326 P P 16 41 51.6 -0.1

Code Station Name Δ° AZ° Phase ID Time Res
WBA Warramunga Arr 17.86 163 Pn 16 35 23.8 -2.1
WBA Warramunga Arr 17.86 163 Pn 16 35 23.9 -2.1

Code Station Name Δ° AZ° Phase ID Time Res
WBA Warramunga Arr 17.86 163 Pn 16 35 23.8 -2.1
WBA Warramunga Arr 17.86 163 Pn 16 35 23.9 -2.1

Code Station Name Δ° AZ° Phase ID Time Res
WBA Warramunga Arr 17.86 163 Pn 16 35 23.8 -2.1
WBA Warramunga Arr 17.86 163 Pn 16 35 23.9 -2.1

Code Station Name Δ° AZ° Phase ID Time Res
WBA Warramunga Arr 17.86 163 Pn 16 35 23.8 -2.1
WBA Warramunga Arr 17.86 163 Pn 16 35 23.9 -2.1

Code Station Name Δ° AZ° Phase ID Time Res
WBA Warramunga Arr 17.86 163 Pn 16 35 23.8 -2.1
WBA Warramunga Arr 17.86 163 Pn 16 35 23.9 -2.1

Code Station Name Δ° AZ° Phase ID Time Res
WBA Warramunga Arr 17.86 163 Pn 16 35 23.8 -2.1
WBA Warramunga Arr 17.86 163 Pn 16 35 23.9 -2.1

Code Station Name Δ° AZ° Phase ID Time Res
WBA Warramunga Arr 17.86 163 Pn 16 35 23.8 -2.1
WBA Warramunga Arr 17.86 163 Pn 16 35 23.9 -2.1

Code Station Name Δ° AZ° Phase ID Time Res
WBA Warramunga Arr 17.86 163 Pn 16 35 23.8 -2.1
WBA Warramunga Arr 17.86 163 Pn 16 35 23.9 -2.1

Code Station Name Δ° AZ° Phase ID Time Res
WBA Warramunga Arr 17.86 163 Pn 16 35 23.8 -2.1
WBA Warramunga Arr 17.86 163 Pn 16 35 23.9 -2.1

Code Station Name Δ° AZ° Phase ID Time Res
WBA Warramunga Arr 17.86 163 Pn 16 35 23.8 -2.1
WBA Warramunga Arr 17.86 163 Pn 16 35 23.9 -2.1

Code Station Name Δ° AZ° Phase ID Time Res
WBA Warramunga Arr 17.86 163 Pn 16 35 23.8 -2.1
WBA Warramunga Arr 17.86 163 Pn 16 35 23.9 -2.1

Code Station Name Δ° AZ° Phase ID Time Res
WBA Warramunga Arr 17.86 163 Pn 16 35 23.8 -2.1
WBA Warramunga Arr 17.86 163 Pn 16 35 23.9 -2.1

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HEF Hetta 4.08 286 Pn Pn 16 36 52.9 +0.7
HEF Hetta 4.08 286 Pn Sg 16 37 53.0 +1.9

IDC 31 16:45:34.1±1.1,6.94N,92.773E,h0km,mb3.7/10,
mbmp3.9/12,ML4.2/2,MS3.4/1, Error ellipse:
s-maj=39.2km s-min=17.4km az=49.0

IDC 31 16:45:35.3±0.4,7°N,4°9'3"E,±1h10km,M4.7/12,MB5.5/2,
mb4.5/12,MLV4.8/8,Mw(MB)5.0/2
NEIC 31 16:45:36.6±2.9,6.83N,0.08,92.61E,±1h10km,1km,
mb4.6/12, Error ellipse: s-maj=17.1km s-min=4.8km
az=223.0

IDC 31 16:45:38.2±2.7,7.10N,92.68E,h10km,mb4.3,ML4.3,
mb4.6(N)IC
ISC 31 16:45:37.4±0.6,6.82N,106.92,64E.0.06,h23km,n76,
a=153/58,mb4.0/14,MS3.49, Nicobar Islands region

Code Station Name Δ° AZ° Phase ID Time Res
CMBY CAMPBELL BAY 1.29 82 Op ISC h m s ISC
CMBY CAMPBELL BAY 1.29 82 Op Pn 16 46 17.9 +0.6

Code Station Name Δ° AZ° Phase ID Time Res
BSI Banda Aceh 2.95 116 P Pn 16 46 23.2 +0.2
MLSI Mersambeli Aceh 4.53 124 P Pn 16 46 44.6 P

Code Station Name Δ° AZ° Phase ID Time Res
SNI Singabeng, Aceh 5.72 140 P Pn 16 46 59.2 -1.9
DGPR DIGLIPUR 6.32 3 eP 16 47 09.1 -0.2

Code Station Name Δ° AZ° Phase ID Time Res
TSI Tuntungan 6.76 119 P Pn 16 47 15.1 -0.2
SRIT Sangkoring 7.12 75 P Pn 16 47 18.2 -2.1

Code Station Name Δ° AZ° Phase ID Time Res
GSI Gunungsitoli 7.37 138 Pn Pn 16 47 21.7 -2.0
GSI Gunungsitoli 7.37 138 Pn Pn 16 47 22.1 -0.6

Code Station Name Δ° AZ° Phase ID Time Res
RPSI Rantau Prapat 7.49 123 Pn Pn 16 47 25.0 -0.3
RPSI Rantau Prapat 7.49 123 Pn Pn 16 47 25.0 -0.1

Code Station Name Δ° AZ° Phase ID Time Res
KULM Kulim 8.11 100 Pn Pn 16 47 33.3 -0.6
IPM Iphoh 8.66 105 Pn Pn 16 47 41.1 -0.4

Code Station Name Δ° AZ° Phase ID Time Res
PNSI Pulau Batu 8.85 140 P Pn 16 47 43.2 -0.9
MNSI Mentawai 9.15 131 Pn Pn 16 47 47.1 -1.1

Code Station Name Δ° AZ° Phase ID Time Res
PALK Pallekele 11.86 273 Pn Pn 16 48 24.9 -0.4
PALK Pallekele 11.86 273 Pn Pn 16 48 25.1 -0.1

Code Station Name Δ° AZ° Phase ID Time Res
CM31 Chiang Mai Arr 13.09 27 Pn Pn 16 48 44.3 +2.2
CMAR Chiang Mai Arr 13.09 27 Pn Pn 16 48 45.8 +3.6

Code Station Name Δ° AZ° Phase ID Time Res
CHTO Chiang Mai 13.41 27 Pn Pn 16 48 47.6 +1.1
PRAH Phrae 13.76 32 Pn Pn 16 48 52.4 +1.1

Code Station Name Δ° AZ° Phase ID Time Res
SAHM Salem 15.03 290 eP Pn 16 49 10.7 +2.2
SALW Salam 15.03 290 eP Pn 16 49 10.7 +2.2

Code Station Name Δ° AZ° Phase ID Time Res
CGJJ Cibinong 18.65 135 P P 16 49 51.6 -2.2
TMG Tangerang 19.03 132 P P 16 49 56.7 -1.3

Code Station Name Δ° AZ° Phase ID Time Res
BHPH Bhopal 21.92 320 eP P 16 50 41.7 +1.2
LSA Lhasa 22.80 357 Pn Pn 16 50 40.0 +0.8

Code Station Name Δ° AZ° Phase ID Time Res
H08S3 Diego Garcia H 24.70 235 T T 16 52 18.5 +6.8
H08S2 Diego Garcia H 24.70 235 T T 16 52 18.5 +6.8

Code Station Name Δ° AZ° Phase ID Time Res
MYLDM Lahad Datu 25.77 92 P P 16 51 06.6 -0.2
MYLDM Lahad Datu 25.77 92 P P 16 51 06.6 -0.2

Code Station Name Δ° AZ° Phase ID Time Res
YULB Yu-ili 32.09 56 P P 16 52 04.3 +1.3
GTA Gotaitai 32.08 10 eP P 16 52 18.5 +6.8

Code Station Name Δ° AZ° Phase ID Time Res
MK31 Makanchi Array 40.81 349 P P 16 53 16.5 -0.6
MKAR Makanchi Array 40.81 349 P P 16 53 16.2 -0.9

Code Station Name Δ° AZ° Phase ID Time Res
FITZ Fitzroy Crossi 40.92 128 P P 16 53 19.0 +0.7
KNRA Kunurra 41.29 122 P P 16 53 29.1 +0.3

Code Station Name Δ° AZ° Phase ID Time Res
SONM Songino Array 42.52 14 P P 16 53 30.6 -0.6
KURBB Kurchatov Arra 45.22 347 P P 16 53 52.0 -0.7

Code Station Name Δ° AZ° Phase ID Time Res
NWA0N Narooin (SRO) 45.93 151 LR LR 17 11 34.3
H01W3 Cape Leeuwih H 46.18 115 T T 17 43 39.8

Code Station Name Δ° AZ° Phase ID Time Res
H01W2 Cape Leeuwih H 46.15 155 T T 17 43 41.9
H01W1 Cape Leeuwih H 46.20 155 T T 17 43 44.5

Code Station Name Δ° AZ° Phase ID Time Res
WBO Warramunga Arr 48.85 124 P P 16 54 22.0 +0.4
WRA Warramunga Arr 48.89 124 P P 16 54 21.9 0.0

2080

baz=47,slow=75,SNR=195
H04N1 CROZET ISLANDS 64.08 210 T T 18 06 09.5

baz=47,slow=75,SNR=34
H04N3 CROZET ISLANDS 64.09 210 T T 18 06 05.5

baz=45,slow=74,SNR=36
H04S1 CROZET ISLANDS 64.48 210 T T 18 07 02.6

baz=45,slow=74
H04S3 CROZET ISLANDS 64.49 210 T T 18 06 41.2

baz=45,slow=74
H04S2 CROZET ISLANDS 64.50 210 T T 18 07 06.2

baz=45,slow=74
LBTB Lobatse 72.44 241 LR LR 17 24 27.0

Code Station Name Δ° AZ° Phase ID Time Res
BOSA Boshoff 73.77 330 LR P 17 24 11.4
HFS Hagfors 78.61 238 P P 16 57 35.6 -1.6

Code Station Name Δ° AZ° Phase ID Time Res
NOA NORSAR Array B 79.91 331 LR P 17 37 30.6
NC204 NORSAR Array S 80.15 313 P P 16 57 46.0 +0.3

AUST 31 16:47:56.7±0.8,18°S,6°11'9"E,±1h10km,mb5.1/1,
ML2.5/4, Error ellipse: s-maj=17.0km s-min=8.7km
az=129.0,Northwest of Australia

Code Station Name Δ° AZ° Phase ID Time Res
MBWA Marble Bar 3.01 175 P Pn 16 48 44.9 +0.5
PSAD1 Pilbara Seismi 3.31 174 P Pn 16 48 49.1 +0.5

Code Station Name Δ° AZ° Phase ID Time Res
FITZ Fitzroy Crossi 5.88 80 S S 16 49 28.7 +0.7
GIRL 6.89 227 P Pn 16 49 34.0 +1.1

Code Station Name Δ° AZ° Phase ID Time Res
MEEK Meekatharra 8.48 185 P Pn 16 49 58.7 -1.0
KNRA Kunurra 9.24 76 P Pn 16 50 10.0 -1.1

Code Station Name Δ° AZ° Phase ID Time Res
MORW Morawa 11.31 195 P Pn 16 50 34.1 -4.3

IDC 31 16:48:41.3±1.4,2.82S,130.38E,h0km,mb3.8/7,
mbmp3.8/8,ML3.9/1,MS2.9/5, Error ellipse: s-maj=75.1km
s-min=19.8km az=71.0

IDC 31 16:48:45.2±0.6,3°S,4°13'0"E,±1h12km,±5km,MM.0/13,
mb4.1/3,MLV3.9/13
NEIC 31 16:48:47.2±2.1,3.02S,109.130,19E.0.10,h42km,10km,
mb4.0/8, Error ellipse: s-maj=14.9km s-min=11.7km
az=57.0

IDC 31 16:48:43.3±0.7,2.90S,107.130,24E.0.05,h10km,n33,
a=180/30,mb3.6/7,ML2.9/3,Seram

Code Station Name Δ° AZ° Phase ID Time Res
MSAI Masohi 1.39 251 P Pn 16 49 15.1 +1.5
BNDi Bandanaira 1.65 192 P Pn 16 49 15.2 +1.4

Code Station Name Δ° AZ° Phase ID Time Res
FAKI Fak Fak 2.00 91 Sn Pn 16 49 18.9 +1.6
FAKI Fak Fak 2.00 91 Sn Pn 16 49 18.9 +1.6

Code Station Name Δ° AZ° Phase ID Time Res
FAKI Fak Fak 2.00 91 Sn Pn 16 49 18.9 +1.6
FAKI Fak Fak 2.00 91 Sn Pn 16 49 18.9 +1.6

Code Station Name Δ° AZ° Phase ID Time Res
AAI Ambon 2.19 249 P Pn 16 49 21.3 +1.5
SWI Sorong 2.26 27 P Pn 16 49 21.7 +0.9

Code Station Name Δ° AZ° Phase ID Time Res
KMPI Kaimana, Papua 3.54 102 P Pn 16 49 40.2 +1.8
RKPI Ransiki, Papua 4.17 71 P Pn 16 49 48.5 +1.5

Code Station Name Δ° AZ° Phase ID Time Res
SANI Sanana 4.33 262 P Pn 16 49 49.4 +0.1
BAKI Biak 6.10 74 P Pn 16 50 16.4 +2.8

Code Station Name Δ° AZ° Phase ID Time Res
BATI Baumata 9.77 222 LR LR 16 51 17.5
MTN Mantondam 10.72 167 Pn Pn 16 51 05.3 -0.8

Code Station Name Δ° AZ° Phase ID Time Res
DAV Davao City (W) 10.94 335 LR LR 16 56 52.8
KNRA Kunurra 12.78 186 Pn Pn 16 51 42.6 -2.7

Code Station Name Δ° AZ° Phase ID Time Res
FITZ Fitzroy Crossi 15.77 196 P Pn 16 52 28.5 +2.9
FITZ Fitzroy Crossi 15.77 196 P Pn 16 52 27.2 +1.6

Code Station Name Δ° AZ° Phase ID Time Res
WBO Warramunga Arr 17.25 167 Pn Pn 16 52 41.8 -2.7
WBO Warramunga Arr 17.25 167 Pn Pn 16 52 41.8 -2.7

Code Station Name Δ° AZ° Phase ID Time Res
WRAB Warramunga Arr 17.41 167 Pn Pn 16 52 43.4 -3.0
WRAB Warramunga Arr 17.41 167 Pn Pn 16 52 43.4 -3.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like RUS Russkaya, KURK Kurchatov, and various amateur radio stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like KURK Kurchatov, KURKB Kurchatov Arra, and various amateur radio stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like WBO, WRAB Tennant Creek, and various amateur radio stations.

IDC 31 17:07:17.8±1.8, 177.965S; 177.99W, h549km, 17km, mb3.4/10, mbtp4.3/11, Error ellipse: s-maj=24.0km s-min=16.0km az=95.0

NEIC 31 17:07:17.9±1.2, 177.885S; 010:178.0W±0.2, h555km±11km, mb4.4/19, Error ellipse: s-maj=26.0km s-min=11.6km az=110.0

ISC 31 17:07:17.0±0.7, 18.0S; 01x177.9W±0.1, h550km, n39, e1503/42, mb4.3/20, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like MSVF Nonsavu, AFI Atiamalu, and various amateur radio stations.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC. Rows include stations like UZLUKOPURU, GONEN-BALIKESI, THASOS ISLAND, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC. Rows include stations like IPOC Station P, SALTA, YJA, YVI, MINA GUANACO, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC. Rows include stations like BLACK HILLS, BLINDSTREAM CA, PINEDALE ARRAY, etc.

UCR 31 17:20:23.8-0.7, 8.80N-83.09W, h32km, 1km, MW3.7, Costa Rica

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC. Rows include stations like VITO, EDAD, NELY, etc.

UCR 31 17:20:23.8-0.7, 8.80N-83.09W, h32km, 1km, MW3.7, Costa Rica

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC. Rows include stations like BDM, PTLB, AQDB, etc.

IDC 31 17:30:29.1-1.7, 3.29S-128.54E, h0km, mb3.7/3, mbtomp3.7/4, ML3.1/1, Error ellipse: s-maj=174.8km

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC. Rows include stations like WRA, ASAR, MKAR, etc.

IDC 31 17:25:58.7-4.1, 22.09S-68.60W, h82km, 36km, mb4.0/11, mbtomp4.3/13, MS2.7/2, Error ellipse: s-maj=21.7km

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC. Rows include stations like SJA, GUC, NEIC, etc.

IDC 31 17:26:00.6-0.7, 22.18S-68.75W, h123km, 4km, ML4.5

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC. Rows include stations like VAO, VAO, VAO, etc.

IDC 31 17:26:00.6-0.7, 22.22S-68.67W, h104km, h109km, 5km, n157, e197/163, mb4.4/27-52, W, Northern Chile

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC. Rows include stations like PB09, AF01, PB06, etc.

NEIC 31 17:34:53.7-1.3, 16.28N-0.06-93.75W-0.04, h116km, 7km, mb4.3/3, M04.3/82(MEX), Error ellipse: s-maj=9.1km

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC. Rows include stations like PCIG, CMIG, CCIG, etc.

MEX 31 17:34:53.9-0.8, 16.23N-93.82W, h121km, 7km, MD4.3

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC. Rows include stations like PMNB, COCH, JANB, etc.

ISC 31 17:34:52.0-0.9, 16.27N-0.04-93.77W-0.03, h130km, 7km, n77, e247/138, Chiapas

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC. Rows include stations like VAO, VAO, VAO, etc.

Large table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC. Rows include stations like VAO, VAO, VAO, etc.

Table with columns for station name (e.g., TPBG Tehuacan), coordinates (AZZ, Phase), and time/residual data. Includes station codes like TPBG, TPIG, TLIG, etc.

WEL 31 17:41:22.81,1.36,36S,177.179E,2.8, h248km,17km, M3.3/9, ML3.8/13, MLV3.3/9, Error ellipse: s-maj=40.6km s-min=13.4km az=118.8, confirmed, Off east coast of North Island

Table with columns for station name, coordinates (AZZ, Phase), and time/residual data. Includes station codes like WMGZ, HAZ, PUZ, etc.

WEL 31 17:48:02.3,1.2,32S,247.179E,5.1, h448km,33km, M4.0/6, mB4.0/2, ML4.2/6, MLV4.0/6, Mw(mB)3.0/2, Error ellipse: s-maj=71.8km s-min=14.7km az=112.8, confirmed, South of Kermadec Islands

Table with columns for station name, coordinates (AZZ, Phase), and time/residual data. Includes station codes like MXZ, WMGZ, HAZ, etc.

LDG 31 17:49:34.4,0.1,46.21N,0.33W, h5km, Md2.0/2, Ml2.6/2/3, Error ellipse: s-maj=1.9km s-min=1.4km az=57.0, STR 31 17:49:35.2,0.4,46.1N,0.3, h5km, MlV2.4/7, Error ellipse: s-maj=0.0km s-min=0.0km az=172.5, preliminary

Table with columns for station name, coordinates (AZZ, Phase), and time/residual data. Includes station codes like CHIF, MFF, etc.

Table with columns for station name, coordinates (AZZ, Phase), and time/residual data. Includes station codes like MFF, SDOF, LRVF, etc.

KRNET 31 18:37:54.8,0.1,43.15N,79.95E, h24km, mb2.6 SMOE 31 18:37:54.2, 43.00N, 79.90E, h15km NNC 31 18:37:54.2,0.8,43.01N,79.91E, h0km, mb2.9, mpv2.9, Error ellipse: s-maj=4.7km s-min=4.3km az=124.0

ISC 31 18:37:54.8,1.5,43.04N,0.0479.81E,0.05, h4km,10km, n40, c138/76, 15C-5D, Lake Issyk-Kul region

Table with columns for station name, coordinates (AZZ, Phase), and time/residual data. Includes station codes like SHLS, PDGK, UZB, etc.

LDG 31 17:49:34.4,0.1,46.21N,0.33W, h5km, Md2.0/2, Ml2.6/2/3, Error ellipse: s-maj=1.9km s-min=1.4km az=57.0, STR 31 17:49:35.2,0.4,46.1N,0.3, h5km, MlV2.4/7, Error ellipse: s-maj=0.0km s-min=0.0km az=172.5, preliminary

Table with columns for station name, coordinates (AZZ, Phase), and time/residual data. Includes station codes like DJR, KURS, etc.

Table with columns for station name, coordinates (AZZ, Phase), and time/residual data. Includes station codes like BLB, ANVS, ARXS, etc.

IDC 31 18:39:14.5,1.7,4.62S,145.16E, h173km, 16km, mb3.5/5, mbmp4, 0/8, Error ellipse: s-maj=24.5km s-min=11.9km az=57.0

NEIC 31 18:39:17.0,0.8,4.8S,0.1,145.0E,0.1, h171km, 26km, mb4, 2/7, Error ellipse: s-maj=27.6km s-min=10.2km az=24.0

ISC 31 18:39:16.7,1.0,4.77S,0.09,145.1E,0.1, h200km, n23, c150/26, mb3.7/6, Near north coast of New Guinea

Table with columns for station name, coordinates (AZZ, Phase), and time/residual data. Includes station codes like TABU, JAY, PMG, etc.

NNC 31 18:43:00.7,0.4,50.96N,74.02E, h0km, mb3.6, mpv3.4, 19C-17D, Error ellipse: s-maj=4.5km s-min=3.2km az=40.0, Suspected Mining explosion, Central Kazakhstan

Table with columns for station name, coordinates (AZZ, Phase), and time/residual data. Includes station codes like KURBB, KURK, etc.

Table with columns: PMG, Name, Comp, Az, El, P, S, Az, El, P, S, Az, El, P, S. Includes stations like CMSA, CMAA, QLP, MTSU, TOOLANGI, etc.

Table with columns: KLBRR, Name, Comp, Az, El, P, S, Az, El, P, S, Az, El, P, S. Includes stations like KLBRR, NWAOW, NWAOW, etc.

Table with columns: Name, Comp, Az, El, P, S, Az, El, P, S, Az, El, P, S. Includes stations like BLYC, R18K, NV11, etc.

31d 20h

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like L19K White Mountain, KAIM Kayak Island, K17K Iditarod, etc.

2018 DEC

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like G17K Kiwalik Moun, M26K Nabesna, I20K Naadeneel, etc.

2088

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like G21K Allakaket, L29M L29M, L29M comp=Z,36nm,0.8s, etc.

2089

2018 DEC

31d 20h

Table with columns for station code, name, frequency, power, and signal quality. Includes stations like Christian River, Burnt Mountain, Doyon Strip, Ayikyak River, and many others across various bands.

Table with columns: Station Name, Frequency, Band, and other technical details. Includes stations like TPGR, VRI, VRI, VRI, etc.

Table with columns: Station Name, Frequency, Band, and other technical details. Includes stations like BICO, BFO, BFO, ARSA, etc.

Table with columns: Code, Station Name, Frequency, Band, and other technical details. Includes stations like MPMO, MAL2, BOAV, etc.

Additional technical notes and station information at the bottom of the page.

2091

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like H1033 ASCENSION HYDR99.53 125 T, H1052 ASCENSION HYDR99.53 125 T, MORF Marneleto, SSFO Shawnee State, etc.

2018 DEC

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like TAM Tamarrasset, TAM Tamarrasset, TAM Tamarrasset, TAM Tamarrasset, etc.

31d 20h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like CLL Colim, CLL Colim, CLL Colim, CLL Colim, etc.

31d 21h

Table of station data for 31d 21h, including columns for station name, coordinates, and various parameters like elevation and signal strength.

2018 DEC

Main table of station data for 2018 DEC, listing station names, coordinates, and detailed signal parameters.

2092

Table of station data for 2092, including station names, coordinates, and signal parameters.

ATH 31 20:55:44.5, 2.2, 19.16N, 145.82E, h184km, 21km, mB3, 715, mbtmp4.2, 19. Error ellipse: s-maj=1.4km, s-min=1.2km, az=259.0, Decadecane Islands

IDC 31 20:55:44.5, 2.2, 19.16N, 145.82E, h184km, 21km, mB3, 715, mbtmp4.2, 19. Error ellipse: s-maj=1.4km, s-min=1.2km, az=259.0, Decadecane Islands

NEIC 31 20:54:45.1, 2.2, 19.23N, 0.08, 145.8E, 0.1, h184km, 7km, mB4, 547, Error ellipse: s-maj=14.8km, s-min=11.1km, az=83.0, Mariana Islands

ISC 31 20:55:45.0, 5.0, 19.16N, 0.05, 145.7E, 0.1, h200km, nB0, 1929, 74, mB4, 3/33, Mariana Islands

Code Station Name Az AzZ Phase ID Time Res Code Station Name Az AzZ Phase ID Time Res

Code Station Name Az AzZ Phase ID Time Res Code Station Name Az AzZ Phase ID Time Res

Code Station Name Az AzZ Phase ID Time Res Code Station Name Az AzZ Phase ID Time Res

Code Station Name Az AzZ Phase ID Time Res Code Station Name Az AzZ Phase ID Time Res

Code Station Name Az AzZ Phase ID Time Res Code Station Name Az AzZ Phase ID Time Res

PRE 31 21:35:57.0, 4.0, 20.144S, 32.32E, h5km, ML2.6, ISC 31 21:36:10.8, 3.1, 21.2S, 0.1, 32.1E, 0.1, h10km, n17, 2508/30, Mozambique

Code Station Name Az AzZ Phase ID Time Res Code Station Name Az AzZ Phase ID Time Res

Code Station Name Az AzZ Phase ID Time Res Code Station Name Az AzZ Phase ID Time Res

Code Station Name Az AzZ Phase ID Time Res Code Station Name Az AzZ Phase ID Time Res

Code Station Name Az AzZ Phase ID Time Res Code Station Name Az AzZ Phase ID Time Res

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like MREMI, LEPH, LPHEP, etc.

IDC 31 21:52:39.9, 14.0, 28.30N, 140.09E, h453km, 151km, mb3.0/7, bmtmp3.9/7, Error ellipse: s-maj=141.3km s-min=12.9km az=72.0

ISC 31 21:52:36.8, 2.8, 28.30N, 0.3, 140.2E, 0.8, h421km, n7, c05277, mb3.27, Bonin Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like SONM, WRA, MKAR, etc.

Table with columns: FINES, FINESS Array B, 76.07 333 P, P, 22 03 39.1 -0.1. Rows include IDC 31 21:53:29.7, JMA, NIED, etc.

NEIC 31 21:53:37.0, 1.6, 35.64N, 0.08, 140.7E, 0.1, h55km, 8km, comp=2.3, 2nm, 0.9s, bsz=44, slow=5.8, SNR=5.0

ISC 31 21:53:35.9, 0.9, 35.66N, 0.05, 140.81E, 0.07, h48km, 7km, n73, c102677, mb4.0/27, MS3.3/3, 11D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like JSMT, JIHU, etc.

MAJOR Matsushiro 2.29 293 Pn P 21 54 11.1 -0.1

MAJOR MJB3 Matsui Tunnel 2.29 293 Pn P 21 54 12.3 -0.1

MAJOR JSG Sagara 2.37 246 Pn P 21 54 12.2 -0.1

MAJOR JGF Kuroka 2.81 270 Pn P 21 54 19.5 +1.1

MAJOR INU Inuyama 3.11 265 Pn P 21 54 22.9 +0.4

MAJOR JSD Sado 3.13 230 Pn P 21 54 23.1 +0.3

MAJOR JTM Tenabayashi 5.12 2 Pn P 21 54 50.5 +0.5

MAJOR JMN Monobe 6.05 253 Pn P 21 55 03.2 +0.7

MAJOR ERM Erimo 6.60 15 Pn P 21 55 36.1 -0.2

MAJOR ASAJ Asahikawa 8.55 9 Pn P 21 55 36.1 -0.9

MAJOR JNK Nakanawa-asahi 8.55 9 Pn P 21 55 36.1 -1.0

MAJOR JNU Nakutsue 8.59 256 LR LR 21 59 18.1

MAJOR KSRS Korea Arry 10.52 284 Pn P 21 56 05.9 +1.9

MAJOR KSRS comp=N, 0.1nm, 0.3s, bsz=95, slow=15, SNR=2.9

MAJOR KSRS comp=N, 97nm, 20.9s, bsz=100, slow=37

MAJOR BJT Baijiatuu 19.92 290 P P 21 58 03.4 -0.1

MAJOR HHC Hu-ho-hao-tee 23.48 292 eP P 21 58 40.3 -1.1

MAJOR HHC comp=Z, 4.0nm, 0.7s

MAJOR HHC comp=Z, 130nm, 5.7s

MAJOR ENH Enshi 26.76 267 P P 21 59 09.8 -1.4

MAJOR ENH comp=Z, 8.7nm, 0.6s

MAJOR H1N2 WAKE ISLAND Hy 27.90 118 T T 22 28 41.0

MAJOR H1N1 WAKE ISLAND Hy 27.91 118 T T 22 28 27.7

MAJOR H1N3 WAKE ISLAND Hy 27.92 118 T T 22 28 28.5

MAJOR H1N3 WAKE ISLAND Hy 27.92 118 T T 22 28 28.5

MAJOR SONM Songino Array 28.17 306 P P 21 59 23.0 -0.8

MAJOR SONM comp=Z, 6.8nm, 0.7s, bsz=100, slow=8.1, SNR=5.4

MAJOR H1S1 WAKE ISLAND Hy 28.56 120 T T 22 29 17.4

MAJOR H1S3 WAKE ISLAND Hy 28.56 120 T T 22 29 13.7

MAJOR H1S2 WAKE ISLAND Hy 28.58 120 T T 22 29 19.7

MAJOR PZH PanZhiHua 34.50 266 P P 22 00 20.5 +0.9

MAJOR PZH comp=Z, 8.0nm, 0.7s

MAJOR PZH comp=Z, 100nm, 4.4s

Table with columns: FINES, FINESS Array B, 69.80 332 P, P, 22 04 41.1 +0.3. Rows include NC204, NOA, BRTR, etc.

IDC 31 22:01:51.8, 1.1, 1.25N, 126.58E, h0km, mb3.9/7, bmtmp3.9/8, ML3.6/1, Error ellipse: s-maj=97.0km s-min=15.6km az=69.0

DJA 31 22:02:14.5, 0.4, 1.1, N, 3.12E, h193km, 4km, M4.1/16, mb3.9/6, MB4.8/1, MLV.4/16, Mw(MB)4.0/1

ISC 31 22:02:13.0, 0.9, 1.47N, 107.127E, 0.09, h200km, n18, c086199, mb3.777, Halmahera

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like TINTI, SGGI, etc.

ASAR Alice Springs 25.73 167 P P 22 07 24.7 -0.6

ASAR comp=Z, 0.3nm, 0.5s, bsz=343, slow=7.8, SNR=24

ASAR comp=Z, 0.3nm, 0.3s

ASAR STKA Stephens Creek 35.73 159 P P 22 08 52.0 -0.6

ASAR comp=Z, 1.9nm, 0.5s, bsz=340, slow=6.9, SNR=7.7

ASAR comp=Z, 1.8nm, 0.5s

ASAR SONM Songino Array 49.70 341 P P 22 10 44.8 -0.0

ASAR comp=Z, 0.2nm, 0.5s, bsz=164, slow=7.5, SNR=2.3

ASAR comp=Z, 0.2nm, 0.5s

ASAR MKAR Makanchi Array 59.89 326 P P 22 11 57.7 -0.1

ASAR comp=Z, 0.6nm, 0.4s, bsz=114, slow=8.1, SNR=15

ASAR comp=Z, 0.6nm, 0.4s

ASAR KURBB Kurchatov Arra 64.09 328 P P 22 12 25.2 -0.5

ASAR comp=Z, 0.8nm, 0.4s, bsz=123, slow=6.1, SNR=7.8

ASAR comp=Z, 0.8nm, 0.4s

ASAR BVAR Borovoye Arry 69.67 327 P P 22 13 00.3 -0.5

ASAR comp=Z, 0.5nm, 0.6s, bsz=114, slow=7.0, SNR=4.4

ASAR comp=Z, 0.5nm, 0.6s

DJA 31 22:06:01.8, 0.3, 9.3, S, 3.12E, h54km, 8km, M3.8/11, mb4.1/2, mB5.4/1, MLV.6/11, Mw(MB)4.9/1, Sumba

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like WBSI, BASI, etc.

DJA 31 22:12:02.3, 0.8, 11.1, S, 9.12E, h10km, M4.0/9, mb4.2/4, MLV3.9/9

IDC 31 22:12:12.4, 2.1, 11.1, S, 37.5, 120.67E, h0km, mb3.2/1, bmtmp3.4, ML3.1/3, Error ellipse: s-maj=146.5km s-min=23.2km az=52.0

ISC 31 22:12:02.1, 2.1, 11.22S, 0.10, 119.64E, 0.09, h10km, n13, c153/13, South of Sumba

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like BASI, WBSI, etc.

SJA 31 22:24:49.9, 0.7, 31.10S, 70.17W, h119km, 3km, ML3.1, MW3.3

GUC 31 22:24:51.0, 0.7, 31.12S, 70.38W, h127km, 3km, ML3.5

ISC 31 22:24:49.7, 1.3, 31.11S, 0.03, 70.22W, 0.03, h126km, gkm, n61, c1527/108, 3C-2D, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like CO03, DOCO, etc.

ASAR Alice Springs 52.06 187 P P 22 01 06.0 +0.1

ASAR comp=Z, 0.3nm, 0.5s, bsz=6.5, slow=3.3, SNR=12

ASAR comp=Z, 0.3nm, 0.5s

ASAR BVAR Borovoye Array 59.97 317 P P 22 01 33.5 +0.2

ASAR comp=Z, 1.3nm, 0.4s, bsz=89, slow=7.0, SNR=16

ASAR comp=Z, 1.3nm, 0.4s

ASAR ARCES ARCESS Array B 65.11 339 P P 22 04 11.7 +0.6

31d 23h

PMG	Port Moresby	23.97 121	LR	LR	23 25 48.5
WRAB	Tennant Creek	24.07 162	P	P	23 14 38.4 -0.4
WRA	Warramunga Arr	24.07 162	P	P	23 14 37.3 -1.5
WRA	Warramunga Arr	24.07 162	P	P	23 14 38.2 -0.6
WRA	comp-Z, 9.9nm, 0.6s, baz=339, slow=10, SNR=263		S	S	
WRA	comp-Z, 4.2nm, 0.9s, baz=342, slow=17, SNR=4.6		S	S	23 18 51.3 -0.8
WRA	comp-Z, 0.6nm, 0.9s, baz=341, slow=2.9, SNR=2.1		ScP	ScP	23 21 53.3 +0.9
WB2	Warramunga Arr	24.08 162	P	P	23 14 37.9 -1.0
MBWA	Marble Bar	24.95 195	I	I	23 14 46.6 -0.1
MBWA	comp-Z, 2.7nm, 1.1s		I	I	23 14 50.2
MBWA	Marble Bar	24.95 195	P	P	23 14 47.1 +0.4
PSA00	Pilbara Seismi	25.31 195	P	P	23 14 48.8 -1.2
PSA00	Pilbara Seismi	25.31 195	P	P	23 14 50.3 +0.2
Q31	Mount Isa	26.71 152	P	P	23 15 02.4 +0.3
AS31	Alice Springs	27.48 165	I	I	23 15 09.6 -0.1
AS31	Alice Springs	27.48 165	I	I	23 15 17.7
ASAR	Alice Springs	27.48 165	P	P	23 15 08.9 -0.8
ASAR	Alice Springs	27.48 165	P	P	23 15 09.4 -0.2
ASAR	comp-Z, 2.7nm, 0.4s, baz=341, slow=7.1, SNR=70		S	S	23 19 46.0 -0.1
ASAR	comp-Z, 1.6nm, 0.8s, baz=346, slow=18, SNR=5.8		ScP	ScP	23 22 03.8 +1.6
ASAR	comp-Z, 0.4nm, 0.6s, baz=344, slow=3.4, SNR=3.1		ScP	ScP	
AS01	Alice Springs	27.49 165	P	P	23 15 09.9 +0.1
PSI	Prapat	27.59 270	LR	LR	23 27 51.8
WRKA	Warakurna	27.95 177	P	P	23 15 13.8 0.0
GIRL	Giralala	28.20 205	P	P	23 15 18.4 +2.4
GSL	Gunungsitoli	29.00 267	P	P	23 15 21.8 -1.5
NJ2	Nanjing	29.77 347	eP	eP	23 15 30.3 +0.5
NJ2	comp-Z, 7.0nm, 0.6s		pm	pm	
PHRA	Phrae	30.01 303	P	P	23 15 31.8 -0.3
CTA	Charters Tower	30.03 314	LR	LR	23 29 31.1
JNU	Nakatsue	30.21 7	I	I	23 15 32.6 -1.3
JNU	Nakatsue	30.21 7	I	I	23 15 35.8
JNU	Nakatsue	30.21 7	LR	LR	23 26 32.5
MEEK	Mlekatharra	30.47 194	P	P	23 15 36.0 -0.2
CMAR	Chiang Mai Arr	31.03 302	P	P	23 15 41.1 -0.5
CMAR	comp-Z, 0.8nm, 0.8s, baz=104, slow=6.3, SNR=4.8		ScP	ScP	23 22 15.6 +1.8
CHTO	Chiang Mai	31.23 302	P	P	23 15 42.5 -0.5
OOD	Oodnadatta	31.88 165	P	P	23 15 48.3 -0.2
PZH	PanZhiHua	33.32 317	P	P	23 15 25.2 +1.1
PZH	comp-Z, 9.0nm, 0.8s		pm	pm	
PZH	comp-Z, 9.0nm, 0.8s		pm	pm	
MORW	Morawa	33.47 197	P	P	23 16 01.9 -0.5
MORW	comp-Z, 1.1nm, 1.1s		I	I	23 16 04.0
MORW	Morawa	33.47 197	P	P	23 16 04.0 +1.6
INKA	Innaminka	33.51 157	P	P	23 16 03.2 +0.5
INU	Inuyama	33.60 16	P	P	23 16 02.3 -1.1
INU	Inuyama	33.60 16	P	P	23 16 03.3 -0.1
FORT	Forrest	33.65 178	P	P	23 16 03.5 -0.4
FORT	Forrest	33.65 178	P	P	23 16 04.0 +0.1
JGF	Kuroka	33.93 16	P	P	23 16 06.8 +0.4
JGF	comp-Z, 7.1nm, 0.8s		I	I	23 16 08.9
JGSF	Kuroka	33.93 16	P	P	23 16 06.5 +0.1
KSR	Korea Array	34.29 2	P	P	23 16 10.0 +0.6
KSR	comp-Z, 1.7nm, 0.5s, baz=177, slow=9.6, SNR=10.0		LR	LR	23 30 31.5
KSR	comp-Z, 12.1nm, 21.3s, baz=180, slow=37		LR	LR	
KMBL	Kambalda	34.49 187	P	P	23 16 11.1 -0.1
BLDU	Ballidu	34.75 195	P	P	23 16 13.5 0.0
XAN	Xi'an	34.96 334	P	P	23 16 16.5 +1.1
XAN	comp-Z, 1.7nm, 0.5s		pm	pm	
MAJO	Matsushiro	35.05 16	P	P	23 16 15.1 -0.9
MJAR	Matsushiro Arr	35.05 16	P	P	23 16 14.3 -1.7
MJAR	comp-Z, 3.6nm, 0.8s, baz=186, slow=9.9, SNR=13		LR	LR	23 28 02.9
MJAR	comp-Z, 3.6nm, 0.8s		LR	LR	
MJB9	Matsu-Tunnel	35.05 16	P	P	23 16 14.8 -1.2
MJB9	comp-Z, 1.7nm, 1.1s		I	I	23 16 17.8
LCKR	Leigh Creek	35.10 162	P	P	23 16 16.9 +0.4
CD2	Chengdu	35.10 325	P	P	23 16 15.5 -1.1
CD2	comp-Z, 10.0nm, 0.4s		pm	pm	
CD2	comp-Z, 5.30nm, 15.9s		LR	LR	
KLBR	Kellerberrin	35.43 193	P	P	23 16 19.5 +0.2
HNR	Honiara	35.51 111	LR	LR	23 31 09.7
HNS	HongShan	35.90 344	P	P	23 16 20.8 -2.4
HNS	comp-Z, 1.0nm, 1.4s		S	S	23 21 58.0 +1.2
HNS	comp-Z, 2.50nm, 19.6s		LR	LR	
HNS	comp-Z, 3.70nm, 17.9s		LR	LR	
HNS	comp-Z, 4.60nm, 22.6s		LR	LR	
MUN	Mundaring	36.17 195	P	P	23 16 26.0 +0.3
BBOO	Buckleboo	36.76 167	P	P	23 16 30.3 -0.4
BBOO	comp-Z, 8.9nm, 0.8s		I	I	23 16 44.0
BBOO	Buckleboo	36.76 167	P	P	23 16 30.8 +0.1
NWAO	Narogin (SRO)	36.83 193	P	P	23 16 31.2 -0.1
NWAO	comp-Z, 9.8nm, 0.9s		I	I	23 16 50.4
NWAO	Narogin (SRO)	36.83 193	P	P	23 16 31.7 +0.4
EIDS	Eidsvold	36.92 141	I	I	23 16 31.8 -0.3
EIDS	comp-Z, 12nm, 1.1s		P	P	23 16 33.4
JMM	Marumori	37.05 19	P	P	23 16 33.4 +0.4
JMM	Marumori	37.05 19	P	P	23 16 30.8 -2.5
STKA	Stephens Creek	37.54 159	P	P	23 16 37.2 -0.1
STKA	Stephens Creek	37.54 159	P	P	23 16 37.0 -0.4
STKA	comp-Z, 3.3nm, 0.4s, baz=342, slow=9.4, SNR=18		LR	LR	23 34 07.0
STKA	comp-Z, 11.3nm, 21.0s, baz=345, slow=39		LR	LR	
STKA	Stephens Creek	37.54 159	P	P	23 16 37.6 +0.3
BJJ	Beijing	38.03 347	P	P	23 16 42.5 +1.2
BJJ	comp-Z, 3.0nm, 0.6s		pm	pm	
BJJ	comp-Z, 1.10nm, 4.7s		LR	LR	
BJJ	comp-Z, 120nm, 16.5s		LR	LR	
BJJ	comp-Z, 82nm, 23.9s		LR	LR	
HTT	Hallett	38.10 163	P	P	23 16 42.7 +0.6
SNY	Shenyang	38.72 336	P	P	23 16 47.5 +0.4
SNY	comp-Z, 1.1nm, 1.3s		pm	pm	23 22 43.0 +3.4
SNY	comp-Z, 5.8nm, 4.1s		pm	pm	
SNY	comp-Z, 2.80nm, 20.2s		LR	LR	
SNY	comp-Z, 2.60nm, 16.9s		LR	LR	
CMSA	Cobar Meteorol	38.90 154	P	P	23 16 49.4 +0.6
LZH	Lanzhou	39.02 330	eP	eP	23 16 45.8 -4.1
LZH	comp-Z, 8.0nm, 1.0s		LR	LR	
LZH	comp-Z, 3.80nm, 15.1s		LR	LR	
LZH	comp-Z, 3.60nm, 16.2s		LR	LR	
LZH	comp-Z, 7.30nm, 17.7s		LR	LR	
JTM	Tenababaya	39.81 17	P	P	23 16 55.9 -0.3

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HHC	Hu-ho-hao-te	40.01 342	eP	P	23 16 57.8 -0.2
HHC	comp-Z, 4.0nm, 0.6s		S	S	23 23 00.0 +0.8
HHC	comp-Z, 130nm, 4.6s		pm	pm	
HHC	comp-Z, 330nm, 16.8s		LR	LR	
HHC	comp-Z, 190nm, 16.9s		LR	LR	
HHC	comp-Z, 390nm, 17.8s		LR	LR	
SHL	Shilling	40.15 307	P	P	23 16 58.2 -1.2
USA0B	Ussuriysk Arra	41.28 6	I	I	23 17 07.3 -1.0
USA0B	comp-Z, 18nm, 0.8s		I	I	23 17 11.4
USRK	Ussuriysk Ar.	41.28 6	P	P	23 17 06.9 -1.4
USRK	Ussuriysk Ar.	41.28 6	P	P	23 17 08.8 +0.5
USRK	comp-Z, 1.7nm, 0.9s, baz=180, slow=8.3, SNR=33		LR	LR	23 32 10.9
USRK	comp-Z, 1.63nm, 21.6s, baz=195, slow=33		LR	LR	
MDJ	Mudanjiang	41.51 3	P	P	23 17 08.9 -1.2
MDJ	Mudanjiang	41.51 3	P	P	23 17 11.0 +0.9
MDJ	comp-Z, 1.7nm, 0.9s		pP	pP	23 17 23.0 -2.4
MDJ	comp-Z, 1.9nm, 1.2s		S	S	23 23 23.5 +2.3
MDJ	comp-Z, 3.70nm, 23.1s		LR	LR	
MDJ	comp-Z, 2.70nm, 21.3s		LR	LR	
MDJ	comp-Z, 7.40nm, 23.5s		LR	LR	
XLT	XiLinHaoTe	41.75 349	eP	P	23 17 11.5 -0.7
XLT	comp-Z, 6.0nm, 1.1s		pm	pm	
JRPS	BinXian	42.08 162	P	P	23 17 15.3 +0.4
BNX	BinXian	42.55 1	P	P	23 17 19.0 +0.4
BNX	comp-Z, 7.0nm, 1.1s		pm	pm	
ASAJ	Asahikawa	43.31 17	P	P	23 17 25.6 +0.8
ASAJ	comp-Z, 1.1nm, 0.7s, baz=207, slow=5.3, SNR=10.0		LR	LR	23 36 47.6
ASAJ	comp-Z, 1.83nm, 19.0s, baz=233, slow=38		LR	LR	
JKA	Kamikawa-asahi	43.31 17	P	P	23 17 24.9 +0.1
JKA	comp-Z, 1.1nm, 0.7s		I	I	23 17 34.5
CAN	Canberra	43.57 153	P	P	23 17 28.3 +1.3
CAN	comp-Z, 1.3nm, 1.1s		I	I	23 17 40.4
GTA	Gaotai	43.61 330	P	P	23 17 26.5 -0.9
GTA	comp-Z, 3.0nm, 1.2s		pm	pm	
GTA	comp-Z, 2.30nm, 20.0s		LR	LR	
GTA	comp-Z, 2.50nm, 20.0s		LR	LR	
GTA	comp-Z, 4.40nm, 20.4s		LR	LR	
TOO	Toolangi	44.06 158	P	P	23 17 32.0 +1.1
GOMU	GeErMu	44.12 322	S	S	23 17 33.0 +1.1
GOMU	comp-Z, 3.0nm, 1.5s		sS	sS	23 24 30.0 +3.1
GOMU	comp-Z, 1.40nm, 16.9s		pm	pm	
GOMU	comp-Z, 2.10nm, 20.9s		LR	LR	
GOMU	comp-Z, 3.38nm, 20.7s, baz=162, slow=38		LR	LR	
WMQ	Urumqi	53.20 325	eP	P	23 18 40.5 -0.6
WMQ	comp-Z, 1.0nm, 0.5s		pm	pm	
WMQ	comp-Z, 11nm, 1.1s		LR	LR	
PEA0B	Petrovsk	56.15 22	P	P	23 19 02.6 +0.4
PETK	Petrovsk	56.15 22	P	P	23 19 02.5 +0.3
PETK	Petrovsk	56.15 22	P	P	23 19 02.9 +0.7
PETK	comp-Z, 1.1nm, 0.9s, baz=184, slow=3.2, SNR=13		LR	LR	23 44 22.8
PETK	comp-Z, 7.9nm, 19.9s, baz=219, slow=37		LR	LR	
MK31	Makanchi	58.03 326	P	P	23 19 14.4 -1.3
MKAR	Makanchi Array	58.03 326	P	P	23 19 14.6 -1.0
MKAR	comp-Z, 1.9nm, 0.5s, baz=120, slow=7.6, SNR=53		ScP	ScP	23 24 03.8 +1.9
MKAR	comp-Z, 0.4nm, 0.8s, baz=120, slow=2.0, SNR=2.6		LR	LR	23 45 49.2
MKAR	comp-Z, 2.33nm, 21.7s, baz=104, slow=38		LR	LR	
MAKZ	Makanchi	58.21 325	P	P	23 19 15.7 -1.3
YAK	Yakutsk	58.91 2	LR	LR	23 42 59.2
MA2	Magadan	59.43 14	LR	LR	23 50 44.9
AAK	Ala-Archa	60.76 318	LR	LR	23 49 31.3
ZAA0	Zalesovo Array	61.13 333	P	P	23 19 34.7 -2.1
ZALV	Zalesovo Beam	61.13 333	P	P	23 19 35.2 -1.6
ZALV	Zalesovo Beam	61.13 333	P	P	23 19 34.4 -2.4
ZALV	comp-Z, 1.1nm, 0.4s, baz=128, slow=7.3, SNR=11		LR	LR	23 49 48.3
ZALV	comp-Z, 92nm, 19.9s, baz=128, slow=40		LR	LR	
THZ	Tophouse	61.26 142	P	P	23 19 36.1 -1.9
THZ	comp-Z, 4.3nm, 0.7s		I	I	23 19 42.2
RPZ	Rata Peaks	61.30 145	LR	LR	23 45 56.5
URZ	Urewera	62.16 137	LR	LR	23 48 06.1
URZ	comp-Z, 1.77nm, 18.4s, baz=36, slow=37		P	P	23 19 43.9 -0.4
URZ	Black Summit Fm	62.19 138	P	P	23 19 45.6
KURB	Kurchatov Arra	62.23 328	P	P	23 19 43.1 -1.1
KURB	comp-Z, 1.6nm, 0.4s, baz=128, slow=6.3, SNR=13		LR	LR	23 48 42.7
KURB	comp-Z, 90nm, 19.9s, baz=176, slow=38		LR	LR	
KURB	comp-Z, 1.6nm, 0.4s		P	P	23 19 42.8 -1.5
KURK	Kurchatov	62.23 328	P	P	23 19 54.7
KURK	comp-Z, 5.3nm, 0.8s		I	I	
RTZ	Ruatuhua	62.24 137	P	P	23 19 44.9 +0.3
GAR	Garrin	62.27 313	P	P	23 19 43.5 -1.4
GAR	comp-Z, 8.4nm, 0.9s		I	I	23 19 52.5
BTK	Batken	62.28 314	P	P	23 19 43.6 -1.3
SIMJ	Simigany	63.11 312	P	P	23 19 47.7 -0.8
SHEM	Shemaya Is. Ala	63.16 30	LR	LR	23 41 46.9
BVAR	Borovoye Array	67.81 327	P	P	23 20 18.4 -2.1
BVAR	comp-Z, 0.6nm, 0.3s, baz=60, slow=4.9, SNR=13		LR	LR	23 52 00.7
BVAR	comp-Z, 80nm, 19.0s, baz=115, slow=38		LR	LR	
BRVK	Borovoye	67.88 327	P	P	23 20 19.8 -1.1
BRVK	comp-Z, 3.4nm, 0.7s		I	I	

VNA3	Neumayer Olymp	106.43 193	↑P	PKIKP	23 27 42.0	-4.3
comp=Z,0.2nm,0.2s						
VNA1	Neumayer-Stat	106.50 194	↑P	PKIKP	23 27 40.7	-5.7
comp=Z,0.5nm,0.2s						
TXAR	Lajitas Array	122.17 52	PKP	PKPdf	23 28 18.6	+0.9
comp=Z,0.2nm,0.6s,baz=118,slow=1.5,SNR=4.5						
TORD	Torodi Ar. Bea	122.96 288	PKP	PKPdf	23 28 19.0	-0.4
comp=Z,0.5nm,0.6s,baz=54,slow=2.0,SNR=5.5						
CPUP	Villa Florida	156.53 171	PKPab	PKPab	23 29 47.0	+0.4
comp=Z,1.5nm,0.8s,baz=216,slow=3.4,SNR=3.3						

**WEL 31 23:44:31.3±1.3,33°S:23°17'8"E±4.8,h333km,33km,
M3.7/5,mB4.1/1,ML4.1/6,MLV3.7/5,Mw(mB)3.2/1,Error
ellipse: s-maj=67.9km s-min=14.3km az=113.1,
confirmed,South of Kermadec Islands**

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
				Op	h m s	ISC
HAZ	Te Kaha	4.81	185	P	Pn	23 45 48.7 +0.8
HAZ				S	S	23 46 49.5 -0.2
WMGZ	Waioamatatini S	4.85	179	P	Pn	23 45 48.7 +0.4
TWGZ	Tauwhareparae	5.22	183	P	Pn	23 45 53.3 +0.7
TWGZ				S	S	23 46 58.6 +0.5
URZ	Urewera	5.39	190	P	Pn	23 45 55.3 +0.9
URZ				S	S	23 46 59.1 -2.4
CNGZ	Carnagh Statio	5.52	181	P	Pn	23 45 55.6 -0.2
RTZ	Ruatuhuna	5.75	191	P	Pn	23 45 58.9 +0.3
RTZ				S	S	23 47 10.1 +0.8
MTHZ	Maungataniwha	6.01	191	P	Pn	23 46 01.1 -0.5
MTHZ				S	S	23 47 16.0 +1.4
KNZ	Kokohu	6.08	185	P	Pn	23 46 01.2 -1.1
NMHZ	Naumai	6.25	191	P	Pn	23 46 05.7 +1.3
BKZ	Black Stump Fm	6.37	193	P	Pn	23 46 06.4 +0.6
BKZ				S	S	23 47 21.5 -1.0
ARHZ	Aropoanui	6.39	189	P	Pn	23 46 06.7 +0.8
ARHZ				S	S	23 47 24.6 +2.0
KWHZ	Kaweka Forest	6.64	193	P	Pn	23 46 09.5 +0.6
KWHZ				S	S	23 47 30.7 +2.6
PXZ	Pawanui	7.16	189	P	Pn	23 46 14.9 -0.1
BFZ	Birch Farm	7.89	192	P	Pn	23 46 21.2 -2.6
BFZ				S	S	23 47 56.1 +0.9
KHZ	Kahutara	10.18	200	P	Pn	23 46 50.3 -0.9

**IDC 31 23:48:49.8±1.4,2°52'N:99°57'E,h0km,mb3.4/5,
mbtmp3.4/5,Error ellipse: s-maj=37.7km s-min=15.9km
az=16.0**

**DJA 31 23:48:51.5±0.2,2°N:2°9'E±1°,h10km,M3.8/15,mb4.0/1,
MLV3.7/15**

**ISC 31 23:48:50.1±0.9,2°11'N:0°06'99"02E,0°08,h10km,n15,
r135/15,mb3.3/5,Northern Sumatera**

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
				Op	h m s	ISC
PSI	Prapat	0.70	352	Pg	Pg	23 49 02.8 -0.9
34nm,0.3s,baz=157,slow=11,SNR=40						
MNSI	Mandailing Nat	1.42	157	P	Pn	23 49 16.8 +0.9
TSI	Tuntungan	1.46	342	P	Pn	23 49 18.2 +1.7
GSI	Gunungtitoli	1.65	241	P	Pn	23 49 19.9 +0.8
KCSI	Kotacane, Aceh	1.88	318	P	Pb	23 49 25.1 +0.5
PBSI	Pulau Batu	2.27	199	P	Pn	23 49 28.8 +1.1
BKSI	Bangkinang	2.68	151	P	Pn	23 49 35.3 +2.0
MLSI	Meulaboh, Aceh	3.38	309	P	Pn	23 49 35.0 +2.0
SISI	Saibi	3.41	179	P	Pn	23 49 45.1 +1.8
BSI	Banda Aceh	5.02	312	P	Pn	23 50 06.8 +1.3
WRA	Warramunga Arr	41.00	124	P	P	23 56 33.0 -0.7
1.4nm,1.1s,baz=303,slow=9.0,SNR=7.9						
MKAR	Makanchi Array	46.84	344	P	P	23 57 19.6 -0.6
0.1nm,0.4s,baz=153,slow=8.7,SNR=2.2						
KURBB	Kurchatov Arra	51.36	343	P	P	23 57 54.9 +0.1
0.1nm,0.5s,baz=158,slow=7.8,SNR=2.3						
ZALV	Zalesovo Beam	52.98	350	P	P	23 58 06.0 -0.8
0.2nm,0.5s,baz=165,slow=6.0,SNR=2.1						
BVAR	Borovoye Array	56.02	340	P	P	23 58 27.9 -1.1
0.5nm,0.7s,baz=126,slow=7.3,SNR=2.6						
0.5nm,0.7s						

**IDC 31 23:51:56.3±1.2,6°01'N:127°52'E,h0km,mb3.5/4,
mbtmp3.6/5,ML3.9/1,MS2.4/1,Error ellipse:
s-maj=60.9km s-min=19.2km az=57.0,Philippine
Islands region**

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
				Op	h m s	ISC
DAV	Davao City (W)	2.19	299	Pn	Pn	23 52 35.3 +1.2
38nm,0.3s,baz=291,slow=2.3,SNR=2.6						
DAV				Sn	Sn	23 53 03.1 +1.2
45nm,0.3s,baz=97,slow=18,SNR=11						
DAV				LR	LR	23 53 44.1
comp=Z,78nm,18.7s,baz=166,slow=49						
WRA	Warramunga Arr	26.65	166	P	P	23 57 37.1 +0.1
0.7nm,0.9s,baz=343,slow=9.4,SNR=4.6						
ASAR	Alice Springs	30.15	168	P	P	23 58 07.7 -0.5
0.2nm,0.7s,baz=342,slow=7.9,SNR=1.8						
ASAR				PcP	PcP	00 01 09.9 0.0
0.3nm,0.7s,baz=342,slow=2.0,SNR=1.6						
MKAR	Makanchi Array	56.16	324	P	P	00 01 37.5 -0.4
0.7nm,0.8s,baz=116,slow=8.3,SNR=10						
MKAR				PcP	PcP	00 02 36.9 +1.0
0.3nm,0.6s,baz=113,slow=3.9,SNR=4.0						
KURBB	Kurchatov Arra	60.27	326	P	P	00 02 05.8 -0.7
0.5nm,0.5s,baz=127,slow=6.8,SNR=14						
0.5nm,0.5s						

**IDC 31 23:59:25.0±3.1,9°24'S:159°14'E,h0km,mb3.8/4,
mbtmp3.8/4,MS3.9/9,Error ellipse: s-maj=137.2km
s-min=28.8km az=132.0**

**ISC 31 23:59:32.8±1.2,9°25'0"2:159°2'E±0°2,h65km,n15,
r173/6,mb3.5/4,Bougainville-Solomon Islands region**

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
				Op	h m s	ISC
TATA	Tatamba Isabel	0.98	35	P	Pn	23 59 49.2 -1.6
ALEG	Aligege Malai	1.51	73	P	Pn	23 59 57.2 -0.5
PMG	Port Moresby	11.92	268	LR	LR	00 06 34.2
comp=Z,116nm,18.2s,baz=9,slow=36						
WRA	Warramunga Arr	26.32	243	P	P	00 05 02.4 -0.5
1.0nm,0.6s,baz=70,slow=10,SNR=8.7						
ASAR	Alice Springs	28.17	236	P	P	00 05 17.9 -1.4
0.9nm,0.6s,baz=61,slow=9.7,SNR=10						
URZ	Urewera	33.11	154	LR	LR	00 18 17.3
comp=Z,767nm,20.0s,baz=62,slow=34						
RAR	Rarotonga	41.20	112	LR	LR	00 20 13.8
comp=Z,189nm,21.0s,baz=265,slow=30						
QSPA	South Pole Qui	80.80	180	LR	LR	00 44 08.1
comp=Z,121nm,20.9s,baz=46,slow=33						
ILAR	Eielson Array	83.91	20	P	P	00 11 56.7 +1.3
0.9nm,1.0s,baz=236,slow=4.7,SNR=8.2						
MKAR	Makanchi Array	87.83	318	P	P	00 12 16.6 +1.4
0.9nm,0.6s,baz=91,slow=6.4,SNR=10.0						
NVAR	Mina Array Bea	89.80	51	LR	LR	00 48 35.7
comp=Z,75nm,18.9s,baz=264,slow=33						
PFO	Pinyon Flats O	90.33	56	LR	LR	00 47 20.4
comp=Z,91nm,20.4s,baz=263,slow=32						
LPIG	La Paz	94.11	66	LR	LR	00 50 07.1
comp=Z,37nm,18.5s,baz=207,slow=32						
PDAR	Pinedale Array	97.05	48	LR	LR	00 51 44.9
comp=Z,34nm,20.4s,baz=304,slow=32						
ANMO	Albuquerque	98.71	56	LR	LR	00 50 41.4
comp=Z,58nm,21.5s,baz=63,slow=31						

ISC Computed Locations for December 2018

